

List of Variables

Business Survey Service Sector

Data: 10/2004-06/2018

As of December 2018

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LMU-ifo Economics & Business Data Center (EBDC)

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List of variables - Ifo Business Survey Service Sector

1. Variables of identification

2. Standard questions

3. Special questions

1. Variables of identification

No.	Name	Label	German description
1.1)	survey	survey	Umfrage
1.2)	year	year	Erhebungsjahr
1.3)	month	month	Monat
1.4)	idnum	firm X address file id	Firmenidentifikationsnummer
1.5)	runnum	running number of plant	Laufende Firmennummer
1.6)	dl_plantnum	KT information id	12-stellige KT Identifikationsnummer
1.7)	sector_id	sector id	Sektor ID
1.8)	fedstaifo	federal state (ifo-code)	Bundesland entsprechend ifo Codierung
1.9)	sector_wz03	wz03 sector classification	Wirtschaftsbereich nach WZ03
1.10)	sector_wz08	wz08 sector classification	Wirtschaftsbereich nach WZ08
1.11)	sector_total	ebdc sector classification	Wirtschaftsbereich nach EBDC-eigener Klassifizierung
1.12)	dl_size	size range	Größenklasse
1.13)	dl_size_turnover	size of turnover	Umsatzgrößenklasse
1.14)	dl_size_employees	size of employees	Beschäftigtengrößenklasse

II. Variables regarding the survey process

No.	Name	Label	German description
1.15)	online	online	Fragebogen online beantwortet
1.16)	survey_start	survey start	Umfragebeginn
1.17)	survey_end	survey end	Umfrageende
1.18)	participation_date	participation date	Teilnahmedatum
1.19)	participation_hour	participation hour	Teilnahmestunde
1.20)	participation_status	participation status	Teilnahmestatus
1 21)	dl participant	andidanting to this area.	Taileabara

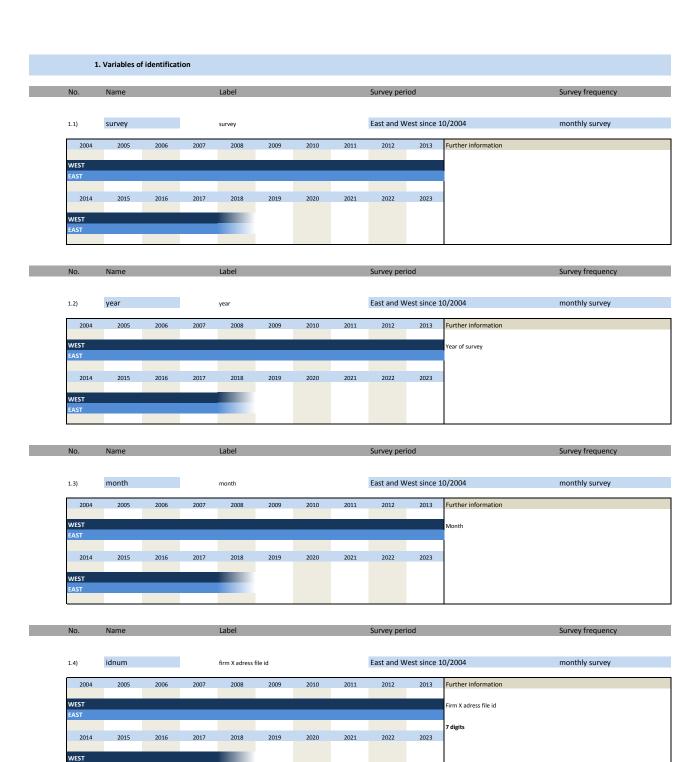
2. Standard questions

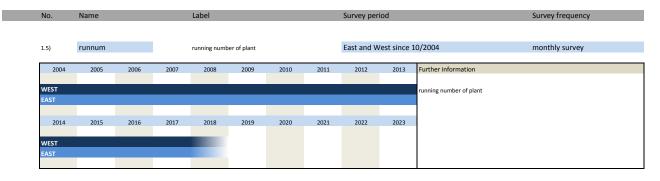
No.	Name	Label	German description
2.1)	dl_statebus	state of business (appraisal)	Beurteilung der Geschäftslage
2.2)	dl_statebus_sl	state of business (VAS)	Beurteilung der Geschäftslage (Slider)
2.3)	dl_statebus_clicks	state of business (clicks)	Beurteilung der Geschäftslage (Klicks)
2.4)	dl_busvolqu	business volume last 3 months	Entwicklung der Geschäftslage in den letzten 3 Monaten
2.5)	dl_demandsales	demand / sales volume last 2-3 months	Entwicklung der Nachfrage/des Umsatz in den letzten 2-3 Monaten
2.6)	dl demandlast	demand / sales last month versus same month of previous year	Entwicklung von Nachfrage/Umsatz im letzten Monat ggü. Vorjahresmonat
2.7)	dl_orders	orders (appraisal)	Beurteilung des Auftragsbestandes
2.8)	dl_employlast	employees last 2-3 months	Entwicklung der Beschäftigtenzahl in den letzten 2-3 Monaten
2.9)	dl_demandexp	expected demand / sales volume for the next 2-3 months	Erwartete Entwicklung von Nachfrage/Umsatz in den nächsten 2-3 Monaten
2.10)	dl_employexp	expected employees for the next 2-3 months	Erwartete Entwicklung der Beschäftigtenzahl
2.11)	dl_expectbus	expected business situation for the next 6 months	Erwartete Geschäftsentwicklung in den nächsten 6 Monaten
2.12)	dl_expectbus_sl	expected business situation (VAS)	Erwartete Geschäftsentwicklung (Slider)
2.13)	dl_expectbus_clicks	expected business situation (clicks)	Erwartete Geschäftsentwicklung (Klicks)
2.14)	dl_expectbus_unc	uncertainty w.r.t. commercial operation	Slider Unsicherheit
2.15)	dl pricenext	prices for the next 3 months	Erwartete Preisentwicklung in den nächsten 3 Monaten

3. Special questions

No.	Name	Label	German description
3.1)	dl_constrbus	constraints to business activity	Behinderung der Geschäftstätigkeit
3.2)	dl_lackdem	constaints by lack of demand	Behinderung der Geschäftstätigkeit durch unzureichende Nachfrage
3.3)	dl_skilllack	constaints: lack of skilled labour	Behinderung der Geschäftstätigkeit durch Mangel an Fachkräften
3.4)	dl_lacktec	constaints by lack of technical capacities	Behinderung der Geschäftstätigkeit durch zu geringe technische Kapazitäten
3.5)	dl_finan	constaints by problems of financing	Behinderung der Geschäftstätigkeit durch Finanzierungsengpässe
3.6)	dl_lackroom	constaints by lack of room / business equipment	Behinderung der Geschäftstätigkeit durch Raummangel
3.7)	dl_weather	constaints by weather conditions	Behinderung der Geschäftstätigkeit durch Wetterlage
3.8)	dl_othrea	constaints by other reasons	Behinderung der Geschäftstätigkeit durch andere Ursachen
3.9)	dl_kap1	potential of existing capacity	Potential der vorhandenen Kapazitäten
3.10)	dl_kap2	potential capacity expantion in %	Potential der vorhandenen Kapazitäten in %
3.11)	dl_fambus	family business	Familienunternehemen
3.12)	dl_minim1	minimum wage q1	Mindestlohn Frage 1
3.13)	dl_minim2	minimum wage q2	Mindestlohn Frage 2
3.14)	dl_minim3	minimum wage q3	Mindestlohn Frage 3
3.15)	dl_minim4	minimum wage q4	Mindestlohn Frage 4
3.16)	dl_minim5	minimum wage q5	Mindestlohn Frage 5
3.17)	dl_minim6	minimum wage q6	Mindestlohn Frage 6
3.18)	dl_minim7	minimum wage q7	Mindestlohn Frage 7
3.19)	dl minim8	minimum wage q8	Mindestlohn Frage 8

3.20)	dl_invest_lj	total investment last year	Entwicklung der Investititonen letztes Jahr
3.21)	dl_invcon_lj	investment in construction last year	Investitionen in Bauten letztes jahr
3.22)	dl inveg lj	investment in equipment last year	Investitionen in Ausrüstung letztes Jahr
3.23)	dl invest dj	ttoal investment this year	Investitionenerwartungen für das kommende Jahr
3.24)	dl invcon dj	einvestment in construction this year	Erwartete Investitionen in Bauten dieses Jahr
3.25)	dl_inveq_dj	investment in equipment this year	Erwartete Investitionen in Ausrüstung dieses Jahr
3.26)	dl invest nj	total investment next year	Investitionen im kommenden Jahr, insgesamt
3.27)	dl invcon nj	investment in construction next year	Investititonen im kommenden Jahr, Bauten
3.28)	dl_inveq_nj	investment in equipment next year	Investitionen im kommenden Jahr, Ausrüstung
3.29)	dl ref1	refugees question 1	Flüchtlinge Frage 1
3.30)	dl ref2	refugees question 2	Flüchtlinge Frage 2
3.31)	dl_ref3	refugees question 3	Flüchtlinge Frage 3
3.32)	dl ref4	refugees question 4	Flüchtlinge Frage 4
3.33)	dl ref5	refugees question 5	Flüchtlinge Frage 5
3.34)	dl_ref6	refugees question 6	Flüchtlinge Frage 6
3.35)	dl ref7	refugees question 7	Flüchtlinge Frage 7
3.36)	dl ref8	refugees question 8	Flüchtlinge Frage 8
3.37)	dl_ref9	refugees question 9	Flüchtlinge Frage 9
3.38)	dl minim post1	affected by minimum wage	von Mindestlohn betroffen
3.39)	dl minim post2	no minimum wage measures	keine Mindestlohn- Maßnahmen
3.40)	dl minim post3	measures: employee reduction	Maßnahmen: Personalabbau
3.41)	dl minim post4	measures: working hour reduction	Maßnahmen: Arbeitszeitreduzierung
3.42)	dl_minim_post5	measures: increased prices	Maßnahmen: Preiserhöhungen
3.43)	dl minim post6	measures: decreased investment	Maßnahmen: verringerte Investitionen
3.44)	dl minim post7	measures: decreased special payments	Maßnahmen: Kürzungen von Sonderzahlungen
3.45)	dl minim post8	less minijobs	Minijobs weggefallen
3.46)	dl minim post9	minijobs transformed into insurable employment	Minijobs in soz.vers.pflichtige Besch.verhältnisse umgewandelt
3.47)	dl minim post10	new insurable employment	neue soz.vers.pflichtige Besch.verhältnisse
3.48)	dl_minim_post11	employment relationships did not change	keine veränderten Besch-Verhältnisse
3.49)	dl credityes	credit agreement signed	Kredityertrag abgeschlossen
3.50)	dl creditno	credit agreement not signed	Kreditvertrag nicht abgeschlossen
3.51)	dl_credituse1	financing of ongoing operating resources	Finanzierung laufender Kreditmittel
3.52)	dl_credituse2	financing of an investment	Finanzierung einer Investition
3.53)	dl_credituse3	other financing	Sonstiger Verwendungszweck
3.54)	dl_midmanager	mid tier: more than 4 managers	Mittlestand: mehr als 4 Manager
3.55)	dl midmanshare	mid tier: at least one manager has shares	Mittelstand: Mindestens ein Manager hat Anteile
3.56)	dl midyes	mid tier: company rated as mid tier	Mittelstand: Als Mittelstand eingeschätzt
3.57)	dl credit2 1	credit seeking	Kreditverhandlungen durchgeführt
3.58)	dl_credit2_1 dl_credit2_2	credit allocation	Kreditvergabe: Verhalten der Banken
3.59)	dl_credit2_3	reasons for not credit seeking	Gründe für keine Kreditverhandlungen
3.60)	dl exports	exporting services to foreign companies/persons	Export von Dienstleistungen
3.61)	dl negint	confronted with negative interest rates	Wurden Sie mit Negativzinsen konfrontiert?
3.62)	dl_negint_noact	negative interest actions; none	Keine Maßnahmen
3.63)	dl_negint_agree	negative interest actions: bank agreements	Verhandlungen mit Bank
3.64)	dl negint change	negative interest actions: change of bank	Wechsel der Bank
3.65)	dl negint inc	negative interest actions: increase of cash	Erhöhung der Bargeldhaltung
3.66)	dl_negint_redas	negative interest actions: redeployment in other financial assets and settlement of credits	Umschichtung Finanzanlagen/Rückzahlung von Krediten
3.67)	dl_negint_redasint	negative interest actions: redeployment of assets within company	Umschichtung des Guthabens
3.68)	dl_negint_inv	negative interest actions: investing or preponing (additional) investments	Investitionen
3.69)	dl negint oth	negative interest actions: other	Andere
3.70)	dl negint burden	burden of negative interest rates on profit situation	Belastung durch Negativzinsproblematik
3.71)	dl_negint_banks	number of relationship banks	Wie viele Banken?
3.72)	dl ustax sales	tax reform: percentage sales in US	US Steuerreform: prozentualer Umsatz in USA
3.73)	dl ustax competition	tax reform: competition with US-companies	US Steuerreform: Wettbewerb mit US-Firmen
3.74)	dl_ustax_shortterm	tax reform: tax burden short term	US Steuerreform: Steuerbelastung kurzfristig
3.75)	dl_ustax_longterm	tax reform: tax burden long term	US Steuerreform: Steuerbelastung langfristig
3.76)	dl ustax export	tax reform: reaction export	US Steuerreform: Reaktion Exporte
3.77)	dl_ustax_import	tax reform: reaction export	US Steuerreform: Reaktion Importe
3.78)	dl ustax invus	tax reform: reaction investment in US	US Steuerreform: Reaktion Investitionen in USA
3.79)	dl ustax invger	tax reform: reaction investment in Germany	US Steuerreform: Reaktion Investitionen in Deutschland
3.80)	dl_ustax_intelprop	tax reform: reaction investment in Germany tax reform: relocation of intellectual property	US Steuerreform: Reaktion investitionen in Deutschland US Steuerreform: Verlagerung von geistigen Eigentum
/	=ustantcipi op	Storm relocation of interaction property	remberend tongenden Ligentum





No.	Name			Label				Survey per	iod		Survey frequency
1.6)	dl_plantnu	m		KT informatio	n id			East and W	est since 1	0/2004	monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information	
WEST										KT information id, 12 digits, created with	DI branch number
EAST										KT IIIOTTIation iu, 12 uigits, createu witi	DE-branch number
										digit 1-5: 1.5) sec	Economic sector
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST										digit 6-7: 1.15) fedstaifo	federal state according to ifo code
EAST										digit 8-12: 1.11) runnum	running firm number

No.	Name			Label				Survey per	iod		Survey frequency
1.7)	sector_id			sector id				East and W	est since 1	0/2004	monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information	
WEST											
EAST											
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											

No.	Name			Label				Survey per	riod		Survey frequency
1.8)	fedstaifo			federal state	(ifo-code)			East and W	Vest since	10/2004	monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information	
WEST										federal state according to ifo code	
EAST											
										1 "[01] Berlin West"	9 "[09] Baden-Wuerttemberg"
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2 "[02] Schleswig-Holstein"	10 "[10] Bavaria"
										3 "[03] Hamburg"	11 "[11] Saarland"
WEST										4 "[04] Bremen"	12 "[12] Mecklenburg-Western-Pomera
EAST										5 "[05] Lower Saxony"	13 "[13] Brandenburg (incl. Berlin East)
										6 "[06] Nordrhine-Westphalia"	14 "[14] Saxony-Anhalt"
										7 "[07] Rhineland-Palatinate"	15 "[15] Saxony"
										8 "[08] Hesse"	16 "[16] Thuringia"

No.	Name			Label				Survey per	iod	Survey frequency
1.9)	sector_wz0	03		wz03 sector c	lassification			East and W	est 10/200	04 to 03/2011 monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
WEST										Sector according to WZ03
EAST										Sector according to waves
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	

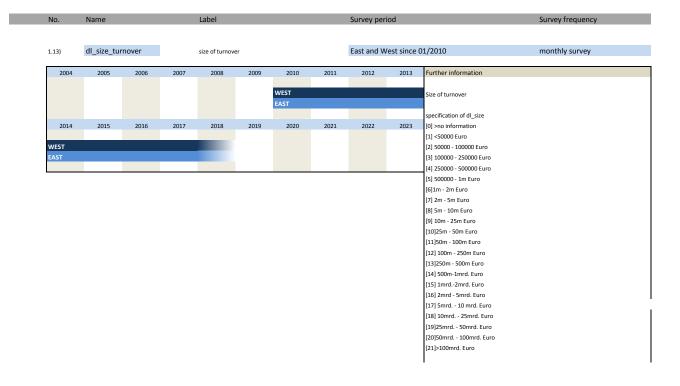
No.	Name	Label	Survey period	Survey frequency
1.10)	sector_wz08	wz08 sector classification	East and West 01/2005	once

								East and W	est since u	14/2011 monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
							WEST			Sector according to WZ08
							EAST			
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST										
EAST										

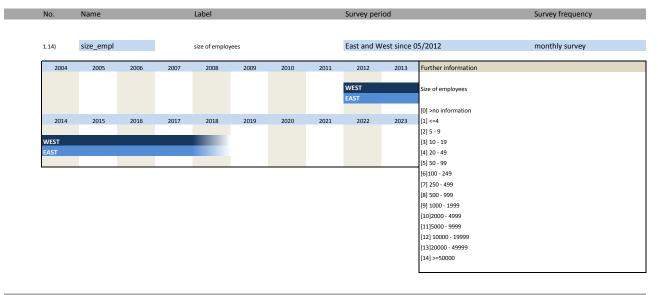
No.	Name			Label				Survey per	iod	Survey frequency
1.11)	sector_tota	al		ebdc sector cla	ssification			East and W	lest since	10/2004 monthly
.11)	Sector_tott			ebuc sector cia	331110411011			Lust und Vi	rest since	10/2004 monthly
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
/EST										Sector according to the EBDC
AST										
										[1] agriculture, hunting and related activities
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	[5] mining
FCT										[10] publishing industry, printing industry, reproduction of recorded
ST										sound, image and data storage media
اد. ا										[25] repair and instalation of machines and equipment [26] recycling
										[27] energy and water supply
										[28] effluent, waste and other disposal
										[29] construction industry
										[30] vehicle trade, maintenance and repair of vehicles, gas stations
										[31] wholesale and trade mediation
										[32] retail (without vehicle trade and gas stations), repair of goods
										[33] transport, auxiliary and secondary activities for transport
										[34] postal, courier and express services
										[35] hospitality, lodging, gastronomy
										[36] publishing; movie and tv show production and distribution; cinemas;
										recording studios and music publishing
										[37] broadcasting; telecommunications; information and information
										technology services; news communications
										[38] financial and insurance services
										[39] real estate and housing business
										[40] dataprocessing and databases
										[41] law, tax and business consultancy, auditing, administration and
										governance of businesses
										[42] architecture and engineering offices; technical, physical and chemical analysis; other freelance, scientific and technical activities
										[43] research and development
										[44] advertisement and market research
										[45] other economic services
										[46] renting of movable objects
										[47] mediation and assignment of manpower
										[48] travel agencies, travel business and other booking services
										[49] sentry and security services, investigative agencies
										[50] facility maintenance, horticulture, landscaping
										[51] public administration, defense, social insurance
										[52] education
										[53] health, veterinary and social sector; asylums
										[54] predominantly personal services (e.g.: entertaining activities,
										libraries, museums, botanical gardens, sports, recreation services)
										[55] advocacy, church and other associations (without social services,
										culture and sports)
										[56] repair of dataprocessing devices and goods
										[57] other services
										[60] exterritorial organisations and entities;

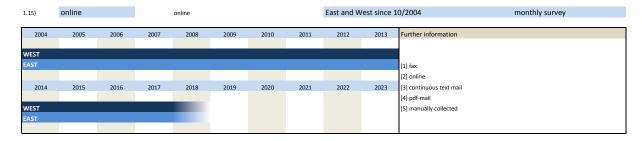
No.	Name			Label				Survey per	riod			Survey free	quency
1.12)	dl_size		ı	size range				East and W	Vest since (04/2011		monthly su	ırvey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further info	rmation		
2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	r di tilei illioi	imation		
							WEST			Size range			
							EAST						
										[1] <250000 E	uro		
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	[2] 250000 - 1	lm Euro		
										[3] 1m - 5m E			
WEST										[4] 5m - 10m			
EAST										[5] 10m - 25m			
										[6] >25m Euro)	ı	1
										turnover	dl_size_ turnover	dl_size	weight*
										<50000 Euro	1		1

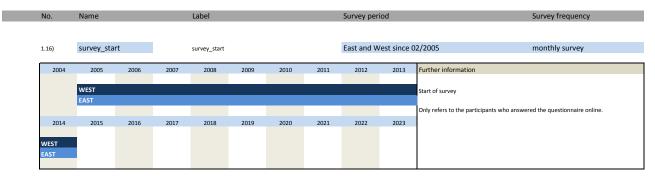
50000 - 100000 Euro	2	1	2
100000 - 250000 Euro	3		3
250000 - 500000 Euro	4	2	4
500000 - 1mill. Euro	5		5
1mill 2mill. Euro	6	_	6
2mill 5mill. Euro	7	3	7
5mill 10mill. Euro	8	4	8
10mill 25mill. Euro	9	5	9
25mill 50mill. Euro	10		
50mill 100mill. Euro	11		
100mill 250mill. Euro	12		
250mill 500mill. Euro	13		
500mill 1mrd. Euro	14		
1mrd2mrd. Euro	15	6	10
2mrd - 5mrd. Euro	16		
5mrd 10 mrd. Euro	17		
10mrd 25mrd. Euro	18		
25mrd 50mrd. Euro	19		
50mrd 100mrd. Euro	20		
>100mrd. Euro	21		
* not included			
(could be gen	erated via dl_s	ize_turnover)	



turnover	dl_size_ turnover (Umsatz- größen- klasse)	dl_size (Umsatzgrößenklasse in Größenklasse)	weight* (Umsatzgrößenklasse Gewicht)
<50000 Euro	1		1
50000 - 100000 Euro	2	1	2
100000 - 250000 Euro	3		3
250000 - 500000 Euro	4	2	4
500000 - 1mill. Euro	5		5
1mill 2mill. Euro	6	3	6
2mill 5mill. Euro	7	3	7
5mill 10mill. Euro	8	4	8
10mill 25mill. Euro	9	5	9
25mill 50mill. Euro	10		
50mill 100mill. Euro	11		
100mill 250mill. Euro	12		
250mill 500mill. Euro	13		
500mill 1mrd. Euro	14		
1mrd2mrd. Euro	15	6	10
2mrd - 5mrd. Euro	16		
5mrd 10 mrd. Euro	17		
10mrd 25mrd. Euro	18		
25mrd 50mrd. Euro	19		
50mrd 100mrd. Euro	20		
>100mrd. Euro	21		





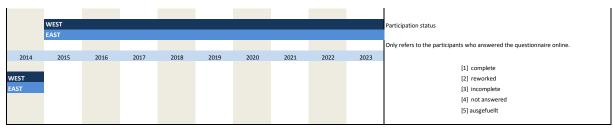


No.	Name Label							Survey per	iod	Survey frequency	
1.17)	survey_en		survey_end				East and West since 02/2005 monthly survey				
	,_										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information	
	WEST									End of survey	
	EAST										
										Only refers to the participants who answered the questionnaire online.	
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											

No.	Name			Label				Survey per	iod	Survey frequency
1.18)	participati	on_date		participation d			East and W East and W		05-05/2014 monthly survey 4/2018 monthly survey	
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
	WEST									Date of survey
	EAST									Only refers to the participants who answered the questionnaire online.
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST EAST			WEST							

No.	Name			Label				Survey peri	iod	Survey frequency
1.19)	participati	on_hour		participation h	our			East and W East and W		
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
	WEST									Hour of survey
	EAST									Only refers to the participants who answered the questionnaire online.
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST				WEST						
EAST				EAST						

No.	Name			Label				Survey peri	od		Survey frequency
1.20)	participat	on_status		participation s	atus			East and W	est since (02/2005	monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information	

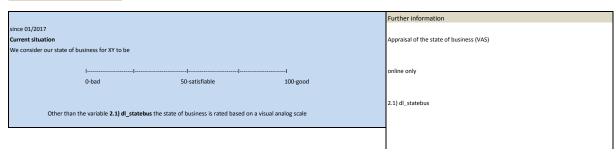


No.	Name			Label				Survey per	iod	Survey frequency
1.21)	dl_particip	ant		participation i	in this survey		West since East since			monthly survey monthly survey
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Further information
14/E0=										introduced in 04/2018
OST OST	_						_			Participation in this survey:
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	[0] No [1] Yes
WEST										ريا ادع
OST										Calculation of varaible:
										if data of online and statebus or comexp exists, 0 otherwise 1991-03/2018 variable=1, since 04/2018 variable can be 0 or 1 (due to a change in delievered data)

2. Standard questions

No.	Name			Label				Survey per	iod		Survey frequency
2.1)	dl statebus	;	state of busine	ess (annraisal)			Fast and V	Vest since 1	0/2004		monthly survey
				(-,,,				_	-, :		
Wording	of question										
since 10/200	04									Further information	
	Information a	bout your ow	n company (do	mestic)						Appraisal of the state of business	
	Current situati	on (appraisal	and developme	nt)							
				<i>'</i>				,			
					goo	d [1]					
	1. We evalu	ate our state	of business cur	rently to be	satisfia	able [2]					
				·							
					bai	d [3]					
								_			
Time sna	n of variable										
Time span	ii oi variabic										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
WEST											
EAST											
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											
										l	

No.	Name	Label	Survey period	Survey frequency
2.2)	dl_statebus_sl	state of business (VAS)	West since 01/2017	monthly survey
			East since 01/2017	monthly survey



Time span	of variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
							WEST EAST	-	

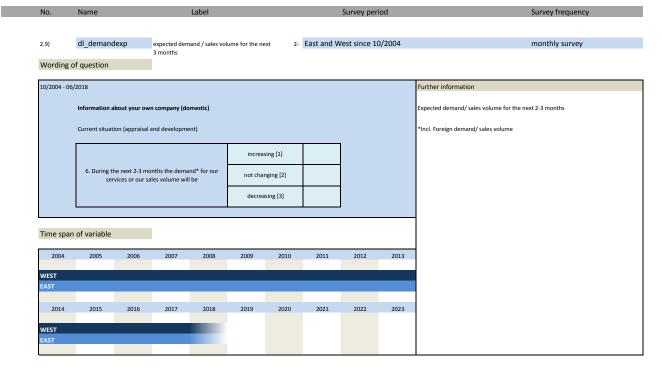
No.	Name			Label				Survey per	iod		Survey frequency
2.3) Time spa	dl_statebus_clicks		state of busine	ess (clicks)			West since				monthly survey monthly survey
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information Appraisal of the state of business (Clicks)	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Number of clicks for question 2.2) dl_statebus_sl online only	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017 WEST EAST	2018	2019		

IVO.	Ivairie			Label				Julyey per	.00	Survey frequency
2.4)	dl_busvolq	ı	business volui	me last 3 mont	hs		East and V	Vest since 1	0/2004	monthly survey
Wording	of question									
since 10/20	04									Further information
	Information a	out your ow	n company (do	mestic)						Development of the business volume during the last 3 months
	Current situati	on (appraisal	and developme	ent)						
					increa	sed [1]				
	2. During the	e last 3 mont	hs our business	volume has	not cha	nged [2]				
					decrea	ised [3]				
								_		
Time spa	n of variable									
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
WEST										
EAST										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST EAST										

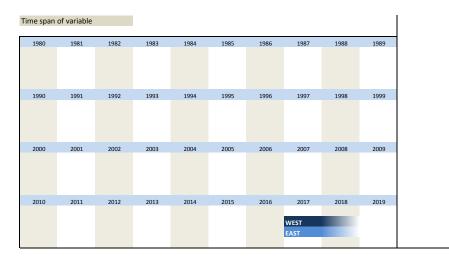
2.5)	di_demand	sales	demand / sale	s volume last	2°3 IIIOIILIIS			vest since 1	.,	monthly survey
Wording o	of question									
10/2004 - 06	/2019									Further information
10/2004 - 06,	72018									ruther information
	Information al	out your ow	n company (do	mestic)						Development of demand/sales volume during the last 2-3 months
	Current situation	on (appraisal	and developme	ent)						*Incl. Foreign demand/ sales volume
								7		
					increa	sed [1]				
			onths the dema		not cha	nged [2]				
	ser	vices or our s	sales volume* h	as	not tha	inged [2]				
					decre	ased [3]				
					-		·	1		
Time snan	of variable									
Time span	1 Of Variable									
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
WEST										
EAST										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
2014	2013	2010	2017	2010	2013	2020	2021	2022	2023	
WEST										
EAST										
No.	Name			Label				Survey per	riod	Survey frequency
2.6)	dl_demand	last	demand / sale	s last month	versus same mo	onth of	East and V	Vest since 1	0/2004	monthly survey
			previous year						.,	, , , , ,
Wording o	of question									
10/2004 - 04	/2009									Further information
	Information al	out your ow	n company (do	mestic)						demand/ sales volume last month versus same month of previous year
	Current situation	on (appraisal	and developme	ent)						
					1 .	1.543	T .	1		*Incl. Foreign demand/ sales volume
					increa	sed [1]				
			me month of la ume [] last mo		not cha	nged [2]				
					decre	ased [3]				
								J		
05/2009 - 06	/2018									
	I-f									
	information at	out your ow	n company (do	mestici						
	Current situation	on (appraisal	and developme	ent)						
								1		
					increa	ised [1]				
			me month of la] in the previo		not cha	nged [2]				
						ased [3]				
					decre	[3]				
Time span	of variable									
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
WEST EAST										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
	2013									
WEST	2013									
WEST EAST	2015		_							
	1013									
EAST							L	Com		
	Name			Label			_	Survey per	riod	Survey frequency
No.	Name					_				
EAST			orders (appra			_	East and V			Survey frequency monthly survey
No.	Name		orders (appra				East and V			
No. 2.7) Wording o	Name dl_orders of question		orders (appra				East and W			monthly survey
No.	Name dl_orders of question		orders (appra				East and V			
No. 2.7) Wording o	Name dl_orders of question		orders (appra	isal)			East and V			monthly survey
No. 2.7) Wording o	Name dl_orders of question	out your ow	n company (do	isal) mestic)			East and V			monthly survey Further information

					relativel	y high [1]			
			order backlog t		suffici	ent [2]			
					too sr	nall [3]			
								l	
Time span	of variable								
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
WEST									
EAST									
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
WEST									

No.	Name			Label				Survey per	riod	Survey frequency
2.8)	dl_employl	last	employees las	st 2-3 months			East and V	Vest since 1	0/2004 to 0	06/2018 monthly survey
Wording (of question									
10/2004 - 06	5/2018									Further information
	Information a	bout your ow	rn company (do	omestic)						Development of the number of employees during the last 2-3 months
	Current situat	ion (appraisal	and developme	ent)						This question was posed till 06/2018, since 07/2018 the same question is posed regarding the previous month (see dl_emplpast)
					increa	sed [1]				
	5. During		onths the num yees has	ber of our	not cha	nged [2]				
					decrea	ised [3]				
							•			
Time spar	n of variable									
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
WEST										
EAST										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST										
EAST										

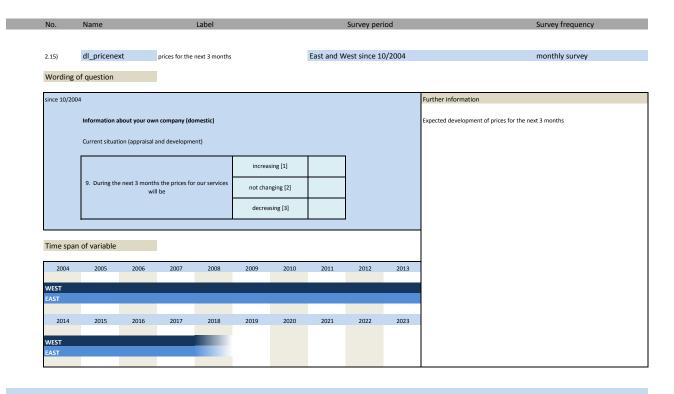


No.	Name	Label				Survey per	riod	Survey frequency
2.10)	dl_employexp	expected employees for the	e next 2-3 month	ıs	East and W	est since 1	0/2004	monthly survey
Wording	of question							
since 10/200	04							Further information
	Information about you	r own company (domestic)						Expected development of number of employees durnig the next 2-3 months
	Current situation (appra	aisal and development)						
			increas	ing [1]				
	7. During the next 2-3 r	months the number of employees will be	not chan	iging [2]				
			decreas	sing [3]				
Time spar	n of variable							
2004	2005 2006	5 2007 2008	2009	2010	2011	2012	2013	
WEST EAST	_				_	_	_	
2014	2015 2016	5 2017 2018	2019	2020	2021	2022	2023	
WEST								
EAST								
No.	Name	Label		_	_	Survey per	iod	Survey frequency
110.	Hume	2000				Survey per	100	Survey inequality
2.11)	dl_expectbus	expected business situation	for the next 6 n	nonths	East and W	est since 1	0/2004	monthly survey
Wording	of question							
since 10/200	04							Further information
since 10/200	Information about you	r own company (domestic)						Further information Expected business situation for the next 6 months
since 10/200								
since 10/200	Information about you Current situation (appra	aisal and development)	more favo	urable [1]				
since 10/200	Information about you Current situation (appra							
since 10/200	Information about you Current situation (appra	aisal and development)		ging [2]				
	Information about you Current situation (appr. 8. During the next 6 m	aisal and development)	not chan	ging [2]				
	Information about you Current situation (appra	aisal and development) nonths our business situation will be	not chan	ging [2]	2011	2012	2013	
Time spar	Current situation (approximate approximation about you current situation (approximation approximation approximation about you carriable approximation of variable	aisal and development) nonths our business situation will be	not chan	iging [2]	2011	2012	2013	
Time spai	Current situation (approximate approximation about you current situation (approximation approximation approximation about you carriable approximation of variable	aisal and development) nonths our business situation will be	not chan	iging [2]	2011	2012	2013	
Time spail	Current situation (approximate approximation about you current situation (approximation approximation approximation about you carriable approximation of variable	nonths our business situation will be	not chan	iging [2]	2011	2012	2013	
Time spat 2004 WEST EAST	Current situation (approximate approximation about your current situation (approximate approximate) and the situation of variable and the situation of variable approximate ap	nonths our business situation will be	not chan less favou	urable [3]				
Time spail 2004 WEST EAST 2014 WEST	Current situation (approximate approximation about your current situation (approximate approximate) and the situation of variable and the situation of variable approximate ap	nonths our business situation will be	not chan less favou	urable [3]				
Time spail 2004 WEST EAST 2014 WEST	Current situation (approximate approximation about your current situation (approximate approximate) and the situation of variable and the situation of variable approximate ap	nonths our business situation will be	not chan less favou	urable [3]			2023	
Time spail 2004 WEST EAST 2014 WEST EAST No.	Current situation (approximate approximation about your current situation (approximate approximate). 8. During the next 6 m of variable. 2005 2006 2015 2016	nonths our business situation will be 2007 2008	not chan less favou	urable [3]	2021	2022 Survey per	2023	Expected business situation for the next 6 months Survey frequency
Time spai 2004 WEST EAST 2014 WEST EAST	Current situation (approximate approximation about your current situation (approximate approximate). 8. During the next 6 m of variable.	nonths our business situation will be 5 2007 2008	not chan less favou	urable [3]		2022 Survey per	2023	Expected business situation for the next 6 months
Time spat 2004 WEST EAST 2014 WEST EAST No.	Current situation (approximate approximation about your current situation (approximate approximate). 8. During the next 6 m of variable. 2005 2006 2015 2016	nonths our business situation will be 2007 2008	not chan less favou	urable [3]	2021 West since	2022 Survey per	2023	Expected business situation for the next 6 months Survey frequency monthly survey
Time spai 2004 WEST EAST 2014 WEST EAST No. 2.12)	Current situation (approximate approximation about your current situation (approximate approximate app	nonths our business situation will be 2007 2008	not chan less favou	urable [3]	2021 West since	2022 Survey per	2023	Expected business situation for the next 6 months Survey frequency monthly survey
Time spail 2004 WEST EAST 2014 WEST EAST No. 2.12) Wording	Current situation (approximate approximation about your current situation (approximate approximate app	nonths our business situation will be 5 2007 2008 5 2017 2018 6 2017 2018	not chan less favou	urable [3]	2021 West since	2022 Survey per	2023	Expected business situation for the next 6 months Survey frequency monthly survey monthly survey
Time spail 2004 WEST EAST 2014 WEST EAST No. 2.12) Wording	Current situation (approximate the state of the next 6 months of the nex	nonths our business situation will be 5 2007 2008 5 2017 2018 6 2017 2018	not chan less favou	urable [3]	2021 West since	2022 Survey per	2023	Expected business situation for the next 6 months Survey frequency monthly survey monthly survey
Time spail 2004 WEST EAST 2014 WEST EAST No. 2.12) Wording	Information about you Current situation (approximate the state of the	aisal and development) nonths our business situation will be 5 2007 2008 Label expected commercial operations for XY will be	not chan less favou	urable [3]	2021 West since	2022 Survey per	2023	Survey frequency monthly survey monthly survey Further information Expected commercial (VAS)



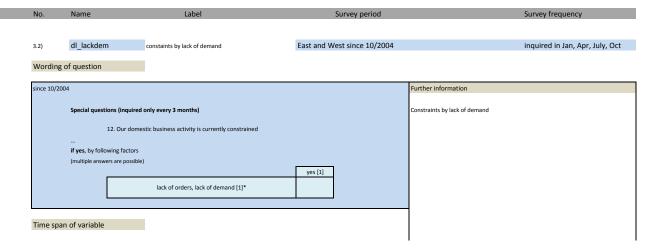
No.	Name			Label				Survey peri	iod	Su	rvey frequency
2.13)			expected com	mercial operat	ions (clicks)		West since				onthly survey onthly survey
Time spar	n of variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Further information	
										Number of clicks for question	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2.12) dl_expectbus_sl	
										online only	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST				
							EAST				

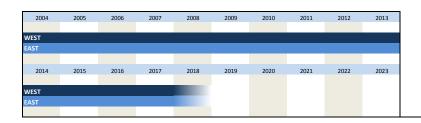
No.	Name			Label				Survey per	iod	Survey frequency
2.14)	dl expectb	us unc	uncertainty w	.r.t. commercia	al operation		West since	07/2017		monthly survey
		_					East since	07/2017		monthly survey
Wording of	question									
										Further information
since 07/2017										
We assess the	e uncertainty	onguarding o	ur commercial o	operation in the	e next 6 month	as				
		0-low			n/seasonal		100-high			
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
										online only
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
							WEST EAST			
							EASI			



3. Special questions

No.	Name		Label				Survey per	iod	Survey frequency
3.1)	dl_constrbus	constraints to	business activity			East and W	est since 10	0/2004	inquired in Jan, Apr, July, Oc
Nording o	of question								
ince 10/2004	4								Further information
	Special questions (inquired only every 3 m	nonths)					1	Constraints to business activity
						yes [1]	no [2]		[3]: Conflict - here, "no" was chosen, but for any constraining factor (3.2)
	12. 0	ur domestic business a	ctivity is currently of	constrained					dl_lackdem to 3.8) dl_othrea), "yes" was crossed.
	12. 0	ur domestic business a	ctivity is currently (constrained					
Time snan		ur domestic business a	ctivity is currently o	constrained					
ime span	12. 0	ur domestic business a	ctivity is currently o	constrained					
Time span	n of variable	2006 2007	2008	2009	2010	2011	2012	2013	
2004	n of variable					2011	2012	2013	
2004 WEST	n of variable					2011	2012	2013	
2004 WEST	o of variable	2006 2007	2008	2009	2010				
2004 WEST	o of variable					2011	2012	2013	
2004 WEST	o of variable	2006 2007	2008	2009	2010				





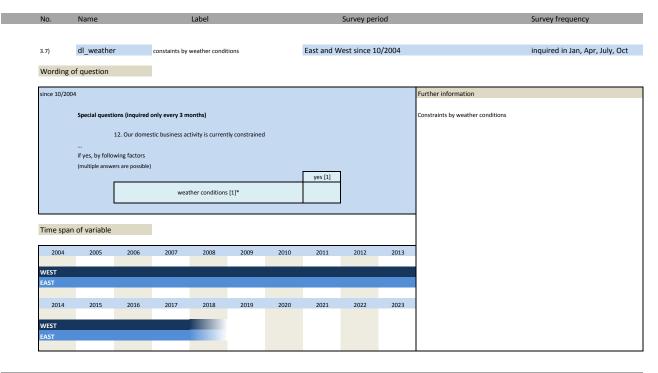
No.	Name			Label				Survey per	iod		Survey frequency
3.3)	dl skilllack		constraints: la	ck of skilled lal	nour		East and W	lest since 1	0/2004		inquired in Jan, Apr, Ju
,									-, :		
Wording	of question										
since 10/20	04									Further information	
	Special quest	ions (inquired	only every 3 m	onths)						Constraints by lack of skilled labour	
		12. Our dome	estic business ac	tivity is curren	ly constrained	ı					
				. ,	,						
	if yes, by follo	wing factors									
	(multiple answ	ers are possible	r)					li			
							yes [1]				
			lack o	of skilled labou	r [1]*						
Time spa	n of variable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
WEST											
EAST											
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
2014	2013	2010	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											
										i	

No.	Name			Label				Survey per	iod		Survey frequency
3.4)	dl_lacktec		constaints by	lack of technic	al capacities		East and V	est since 1	0/2004		inquired in Jan, Apr, July, Oct
Wording	of question										
since 10/20	04									Further information	
Siriec 10/20	-										
	Special questi	ons (inquired	only every 3 m	onths)						Constraints by lack of technical capacities	
		12. Our dome	stic business ac	tivity is curren	tly constrained						
	 if yes, by follo										
	(multiple answe)								
	(marapic ariswe	are possible	,				yes [1]	1			
			last of a	echnical capac	Line [4]*						
			IACK OF U	есппісаї сарас	ines [1]						
Time cna	n of variable										
Time spa	II OI Vallable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
WEST											
EAST											
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											
	-									•	•

No.	Name	Label	Survey period	Survey frequency
3.5)	dl_finan	constaints by problems of financing	East and West since 10/2004	inquired in Jan, Apr, July, Oc
147 11	c			
Wording	of question			
Wording				Further information
	004	uired only every 3 months)		Further information Constraints to business activity by problems of financing

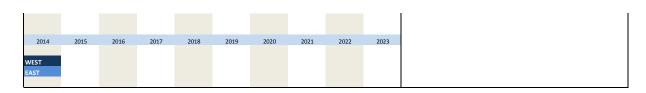
	if yes, by follo (multiple answe						yes [1]	Ī	
			proble	ems of financir	ng [1]*				
Time spar	n of variable								
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
WEST									
EAST									
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
WEST EAST	_								

No.	Name			Label				Survey per	iod	Survey frequency
1	all landons so	_					F+ 114	/ 1	0/2004	to actual to local Anna Inc
3.6)	dl_lackroo	m	constaints by	lack of room/ t	business equipr	nent	East and W	rest since 1	0/2004	inquired in Jan, Apr, Ju
Wording	of question									
since 10/20	04									Further information
	Special questi	ons (inquired	only every 3 m	onths)						Constraints by lack of room/ business equipment
		12. Our dome	stic business ac	tivity is curren	tly constrained					
	 if yes, by follo	6								
	(multiple answ		١							
	(multiple aliswi	ers are possible)				yes [1]	1		
							7 [-]			
			lack of roon	n/business equ	ipment [1]*					
Time cna	n of variable									
Time spa	ii oi variable									
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
WEST EAST										
27.51										
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
WEST										
EAST										



No.	Name			Label				Survey peri	od		Survey frequency
3.09)	dl_kap1		potential of ex	kisting capacity			East and W	est since 04	1/2011		inquired in Jan, Apr, July, Oct
Wording o	of question										
since 04/201	1									Further information	
	Special questi	ons (inquired	only every 3 m	onths)			yes [1]	no [2]		Potential of existing capacity	
	13. Would yo		e able to handle rrently existing			he capacities					
Time span	of variable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
							WEST EAST				
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST EAST											

No.	Name			Label				Survey per	riod		Survey frequency
3.10)	dl_kap2		potential capa	acity expansion	n in %		East and V	Vest since 0	4/2011		inquired in Jan, Apr, July, Oct
Wording	of question										
										- u · c · ·	
since 04/201	11									Further information	
	Special quest	ions (inquired	l only every 3 m	onths)						Potential capacity expansion in percentage	
	13. Would yo	u currently be	able to handle	an increased d	lemand with the	capacities c	urrently existing	g in your			
	company?										
	if yes:										
	We co	ould expand o	ur business acti	vity by		%]		
									J		
lime spar	n of variable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
							WEST				
							EAST				
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST											
EAST											
No.	Name		Label				Survey per	riod			Survey frequency
2.44\	dl_fambus		family busines				East and V	Vest 02/20:	1.4		once
3.11)	ui_iaiiibus		lattiny busines	33			EdSt dilu V	vest 02/20.	14		once
Wording	of question										
										Further Information	
02/2014											
O) For resea	rch purposes?										
Do you envis	sion yourself as	a family busin	ess?								
				ominately by o	ne or more fami	lies that are	connected)				
		yes[1]		no[2]							
Time spar	n of variable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
	2013	2010	2027	2010	2013	2020	2021	LULL	2023		
WEST EAST											
No.	Name		Label				Survey per	riod			Survey frequency
				1			East and V	Vest 11/20	14		
3.12)	dl_minim1		minimum wag	ge qı							once
	dl_minim1		minimum wag	ge q1							once
			minimum wag	3e dī						le u · c · ·	once
Wording			minimum wag	ge d1						Further information	once
Wording (of question									Eurther information	once
Wording 11/2014	of question	ninimum wage	minimum wag							Further information	once
Wording (11/2014)	of question	ninimum wage								Further information	once
Wording (11/2014)	of question	ninimum wage	e policy will be ir							Further information	once
Wording (11/2014)	of question	ninimum wage by this?	e policy will be ir	mplemented.						Further information	once
11/2014	of question	ninimum wage by this?	e policy will be ir	mplemented.						Further information	once
11/2014 1. 01/01/20: Is your con	of question	ninimum wage by this? yes[1]	e policy will be ir	mplemented.						Further information	once
11/2014 1. 01/01/20: Is your con	of question 15 the general management of th	ninimum wage by this? yes[1]	e policy will be ir	mplemented.	2009	2010	2011	2012	2013	Further information	once
11/2014 1. 01/01/20: Is your con	of question 15 the general mpany affected the second of variable in of variable in the second of th	ninimum wage by this? yes[1]	e policy will be in	nplemented.	2009	2010	2011	2012	2013	Further information	once



	Name	Label			Survey peri	iod			Survey frequency
3.13)	dl_minim2	minimum wa	ge q2		East and W	est 11/202	14		once
Wording	of question								
	4							1	
11/2014								Further information	
11/2014									
	the general minimum v	vage policy will be imp	lemented.						
Is your comp	pany affected by this?								
	yes		no						
2. If yes: Wit	th which measures will	you likely react to the	minimum wage?						
	[1] No	measures neccessary	or scheduled						
	[1] No	measures neccessary	or scheduled						
	[1] No	measures neccessary	or scheduled						
Time spar	[1] No	measures neccessary	or scheduled						
	n of variable								
Time span	n of variable	measures neccessary		2009 2010	2011	2012	2013		
	n of variable			2009 2010	2011	2012	2013		
	n of variable			2009 2010	2011	2012	2013		
2004	n of variable	2007	2008 2						
	n of variable		2008 2	2010 2010 2020	2011	2012	2013		
2004	n of variable	2007	2008 2						
2004	n of variable	2007	2008 2						

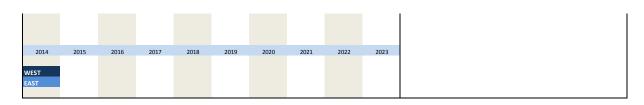
No.	Name		Label				Survey per	iod			Survey frequency
3.14)	dl_minim3		minimum wag	ge q3			East and W	/est 11/201	.4		once
Wording o	of question										
	4										
11/2014										Further information	
11/2014											
	the general minin		licy will be imp	lemented.							
is your comp	any anected by t										
		yes		no							
		yes		1							
2. If yes: With	h which measure	es will you like	ly react to the	minimum wage	:?						
		[1] personnel	cuts								
Time snan	of variable		ı								
Time span	TOT VALIABLE										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST EAST											

No.	Name	Label	Survey period	Survey frequency
3.15)	dl_minim4	minimum wage q4	East and West 11/2014	once
Wordin	ng of question			
			Further info	ormation
11/2014				

Is y	our compa	which measure	this? yes	ly react to the	no minimum wage	:?				
			[1] reduction (or working nou						
		of variable								
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
WE		2015	2016	2017	2018	2019	2020	2021	2022	2023

	Name		Label				Survey per	iod			Sur	vey frequency
3.16)	dl_minim5		minimum wag	ge q5			East and W	/est 11/201	14		ond	e
Wording	of question											
11/2014										Further information		
	the general minim		licy will be imp	lemented.								
	у	ves		no								
2 16 145					. 1							
2. If yes: Wi	th which measures	s will you like	ly react to the r	minimum wage	:?							
2. If yes: Wi				minimum wage	?							
2. If yes: Wi		s will you like 1] increase in		minimum wage	?							
2. If yes: Wi				minimum wage	?							
				minimum wage	.?							
	[:			minimum wage	2009	2010	2011	2012	2013			
Time spa	r of variable	1] increase in	n prices			2010	2011	2012	2013			
Time spa	r of variable	1] increase in	n prices			2010	2011	2012	2013			
Time spa	n of variable	1] increase in	2007	2008	2009							
Time spa	r of variable	1] increase in	n prices			2010	2011	2012	2013			
Time spa	n of variable	1] increase in	2007	2008	2009							

No.	Name	Label			Survey per	riod			Survey frequency	
3.17)	dl_minim6	minimum wage q6			East and V	Vest 11/201	14		once	
"										
Wording	of question									
								Further information		
11/2014										
01/01/2019	5 the general minimum wage p	olicy will be implemented								
	npany affected by this?	oney win be implemented.								
	yes	no								
	<u> </u>									
2. If yes: W	ith which measures will you lik	ely react to the minimum wa	ge?							
	[1] reduction	n of investment								
Time spa	an of variable									
2004	2005 2006	2007 2008	2009	2010	2011	2012	2013	-		
2004	2003 2000	2007 2008	2009	2010	2011	2012	2013			



	Name		Label				Survey per	iod			Survey frequ	uency
3.18)	dl_minim7		minimum wag	e q7			East and W	est 11/201	L4		once	
Wording	of question											
										I		
11/2014										Further information		
	the general minimo		icy will be imp	lemented.								
	ye	es		no								
		•										
2. If yes: Wit	th which measures	will you likel	y react to the r	minimum wage	??							
2. If yes: Wit	th which measures	will you likel	y react to the r	minimum wage	?							
2. If yes: Wit			y react to the r		e?							
2. If yes: Wit					≘?							
2. If yes: Wit					e?							
					:?							
	[1				2009	2010	2011	2012	2013			
Time spar	[1 n of variable	1] reduction c	of special paym	nents		2010	2011	2012	2013			
Time spar	[1 n of variable	1] reduction c	of special paym	nents		2010	2011	2012	2013			
Time spai	n of variable	1] reduction of	of special paym	2008	2009							
Time spar	[1 n of variable	1] reduction c	of special paym	nents		2010	2011	2012	2013			
Time spai	n of variable	1] reduction of	of special paym	2008	2009							
Time spai 2004	n of variable	1] reduction of	of special paym	2008	2009							

No.	Name		Label				Survey per	riod			Survey frequency
3.19)	dl_minim8		minimum wag	5e q8			East and W	Vest 11/201	.4		once
Wording o	f question										
11/2014										Further information	
	ne general minim	num wage po	licv will be imp	lemented.							
	any affected by t		,								
	,	ves		no							
2 If yes: With	which measure:				s?						
Z. II yes. with	wincii iiieasure:	s will you like	iy react to the	minimum wage	**						
	[1] other									
Time span	of variable										
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		
204.4	2045	2045	2047	2040	2040	2020	2024	2022	2022		
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
WEST EAST											
										l	

No.	Name	Label	Survey period	Survey frequency
3.20)	dl_invest_lj	total investment last year	East and West in 04/2005	inquired once
			East and West since 05/2006	inquired in May
Wording	g of question			
April	⊥ Ma	ay	Further inform	ation

2005		since 2006								
										Development of investments last year compared to the year before
	Special questi	on investmen	ts							
	(only in May and	November)								*Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and
					increa	sed [1]				without acquisitions of participating interests
	S1. Last year		its* were (20XX	(** compared	not cha	nged [2]				"20XX" means last year
		to 20)YY**)		not cha	ngeu [2]				Example: if the question was posed in May 2009, "20XX"="2008".
					decrea	ised [3]				lianual
					l		l	_		"20YY" means two years ago Example: if the question was posed in May 2009, "20YY"="2007".
										Example: It are question was posed in may 2003, 2011 2007.
										Until 2015 the special questions 3.20) invest_lj, 3.23) invest_dj
										and 3.26) invest_nj were expressed by 2 variables with different
										wording and meaning of the question depending on whether it was posed
Time spar	of variable									in May or November:
										A variable about (past) investments referred to the previous year if
2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	asked in May, and it referred to the current year in November.
										A variable about expected investments that referred to the current year
	WEST									in May and to the upcoming year in November.
	EAST									Since 2015 these 2 variables are replaced by 3, referring to the past,
										the current and the upcoming year respectively.
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	For previous years the old investment special questions are recoded
										such that they are constructed in the same way they are from 2015 on
WEST										
EAST										

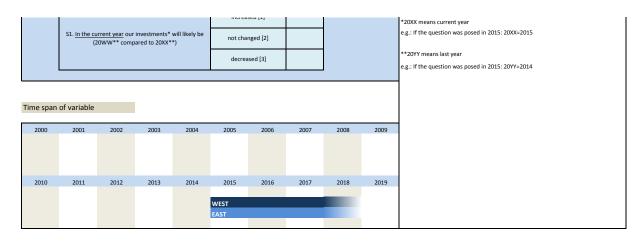
No.	Name		Label				Survey per	riod		Survey frequency
3.21)	dl_invcon_	lj	investment in	construction la	ast year		East and V	Vest since 0	5/2015	inquired in May
Wording o	of question									
05/2045										Further information
05/2015										
Investments										
1) Last year (20YY** compar	ed to 20WW*	*) our investme	ents* were						
					Total investm					*Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and without acquisitions of participating interests
					increa	sed [1]				*20YY means last year
	S1. Last year		nts* were (20XX)YY**)	(** compared	not cha	nged [2]				e.g.: If the question was posed in 2015: 20YY=2014
					decrea	sed [3]				*20WW means two years ago e.g.: If the question was posed in 2015: 20WW=2013
Time spar	of variable									
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
					WEST					
					EAST					
										I.

	Name	Label		Survey period	Survey frequency
3.22)	dl_inveq_lj	investment in equipment last	t year	East and West since 05/2015	inquired in May
Wording o	of question				
05/2015					Further information
1) /					
1) Last year (20YY** compared to 20WW**		Total investments, thereof in: equipment		*Accruals to assets accounts incl. business buildings and accounted software, without vacant land, residential buildings, second-hand or rented equipment a without acquisitions of participating interests
1) Last year (without vacant land, residential buildings, second-hand or rented equipment a

Time span	of variable								
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015 WEST EAST	2016	2017	2018	2019

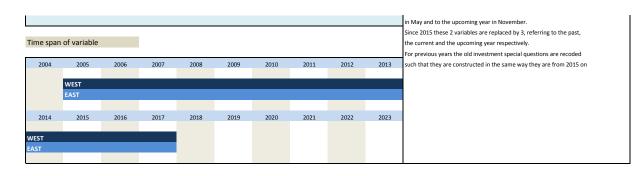
Special question investments (only in May and November) *Accruals to assets accr	inquired in May, November ments in the current year compared to the previous bounts incl. business buildings and accounted software, but sidential buildings, second-hand or rented equipment and
Wording of question April	ments in the current year compared to the previous ounts incl. business buildings and accounted software, but sidential buildings, second-hand or rented equipment and
April + May 2005 since 2006 Special question investments (only in May and November) *Accruals to assets accumented without vacant land, re	ounts incl. business buildings and accounted software, but sidential buildings, second-hand or rented equipment and
2005 since 2006 Development of Investre Special question investments (only in May and November) *Accruals to assets account of the strength of the strengt	ounts incl. business buildings and accounted software, but sidential buildings, second-hand or rented equipment and
Special question investments (only in May and November) *Accruals to assets accruit without vacant land, re	ounts incl. business buildings and accounted software, but sidential buildings, second-hand or rented equipment and
without vacant land, re	sidential buildings, second-hand or rented equipment and
without acquisitions of	
increase [1]	participating interests
S2. In the current year our investments* will likely (20WW** compared to 20XX**) not change [2] "20WW" means curren	tugar
	n was posed in November 2009, "20WW"="2009".
November "20XX" means last year 2006 - 2008 Example: if the questio	n was posed in May 2009, "20XX"="2008".
Special question investments	
(only in May and November) Until 2015 the special q	uestions 3.20) invest_lj, 3.23) invest_dj
IIICI ease [1]	re expressed by 2 variables with different of the question depending on whether it was posed
S1. In the current year our investments* will likely stay the same [2] in May or November:	investments referred to the previous year if
decrease[3] asked in May, and it ref	ferred to the current year in November. ted investments that referred to the current year
in May and to the upco	ming year in November.
since 2009 since 2015 the current and the upon	ables are replaced by 3, referring to the past, coming year respectively.
	old investment special questions are recoded tructed in the same way they are from 2015 on
(only in May and November)	
increased [1]	
S1. <u>In the current year</u> our investments* will likely be (20WW** compared to 20XX**) not changed [2]	
decreased [3]	
Time span of variable	
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	
WEST	
EAST	
2014 2015 2016 2017 2018 2019 2020 2021 2022 2023	
WEST EAST	

No.	Name		Label	Survey period	Survey frequency
3.24)	dl_invcon_dj		investment in construction this year	East and West since 05/2015	inquired in May/November
Wording	of question				
No	vember	+	May		Further information
			since 2015		
	Special question inve	estmen	ts		
	(only in May and Novemb	er)			
			Total investments, thereof in: construction		*Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and without acquisitions of participating interests
			increased [1]		



No. Name Label Survey period Survey frequency inquired in May/November dl_inveq_dj investment in equipment this year East and West since 05/2015 3.25) Wording of question November Further information since 2015 Special question investments (only in May and November) *Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and without acquisitions of participating interests thereof in: equipment increased [1] *20XX means current year S1. In the current year our investments* will likely be (20WW** compared to 20XX**) e.g.: If the question was posed in 2015: 20XX=2015 not changed [2] **20YY means last year decreased [3] e.g.: If the question was posed in 2015: 20YY=2014 Time span of variable 2004 2000 2001 2002 2003 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST

No.	Name	Label			Survey period	Survey frequency
3.26) Wording o	dl_invest_nj	total investment next year		East and V	/est since 11/2006	inquired in November
			Total investments increase [1] not change [2] decrease [3]			Further information Development of Investments in the current year compared to the previous *Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and without acquisitions of participating interests ** "20NN" means next year Example: if the question was posed in November 2009, "20NN"="2010".
			Total investments increased [1] not changed [2] decreased [3]			"20WW" means current year Example: If the question was posed in November 2009, "20WW"="2009". Until 2015 the special questions 3.20) invest_lj, 3.23) invest_dj and 3.26) invest_mj were expressed by 2 variables with different wording and meaning of the question depending on whether it was posed in May or November: A variable about (past) investments referred to the previous year if asked in May, and it referred to the current year in November. A variable about expected investments that referred to the current year



No.	Name		Label				Survey per	iod		Survey frequency
3.27) Wording o	dl_invcon_	nj	investment in	construction i	next year		East and W	est since 1	1/2015	inquired in November
	ember e 2015 Special questi (only in May and S2. Next yea	November)	ents* will likely to 20WW**)	be (20NN**	Total investm thereof in: co increa: not chai	nstruction sed [1]				*Accruals to assets accounts incl. business buildings and accounted software, but without vacant land, residential buildings, second-hand or rented equipment and without acquisitions of participating interests ** "20NN" means next year Example: if the question was posed in November 2009, "20NN"="2010".
Time span	of variable									"20WW" means current year
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Example: If the question was posed in November 2009, "20WW"="2009".
2010	2011	2012	2013	2014	2015 WEST EAST	2016	2017	2018	2019	

Survey frequency

8)	dl_inveq_n	j	investment in	equipment ne	xt year		East and V	Vest since 1	1/2015	inquired in November
ording c	of question									
	ember									Further information
since	e 2015									
	Special questi		ts							
	(only in May and	November)			Total investm thereof in: eq					
						sed [1]]		*Accruals to assets accounts incl. business buildings and accounted software, t without vacant land, residential buildings, second-hand or rented equipment a without acquisitions of participating interests
	S2. Next yea		ents* will likely to 20WW**)	be (20NN**	not cha	nged [2]				**
					decrea	ased [3]				"20NN" means next year
								_		Example: if the question was posed in November 2009, "20NN"="2010".
ne span	of variable									"20WW" means current year
										Example: If the question was posed in November 2009, "20WW"="2009".
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
					WEST					
					EAST					

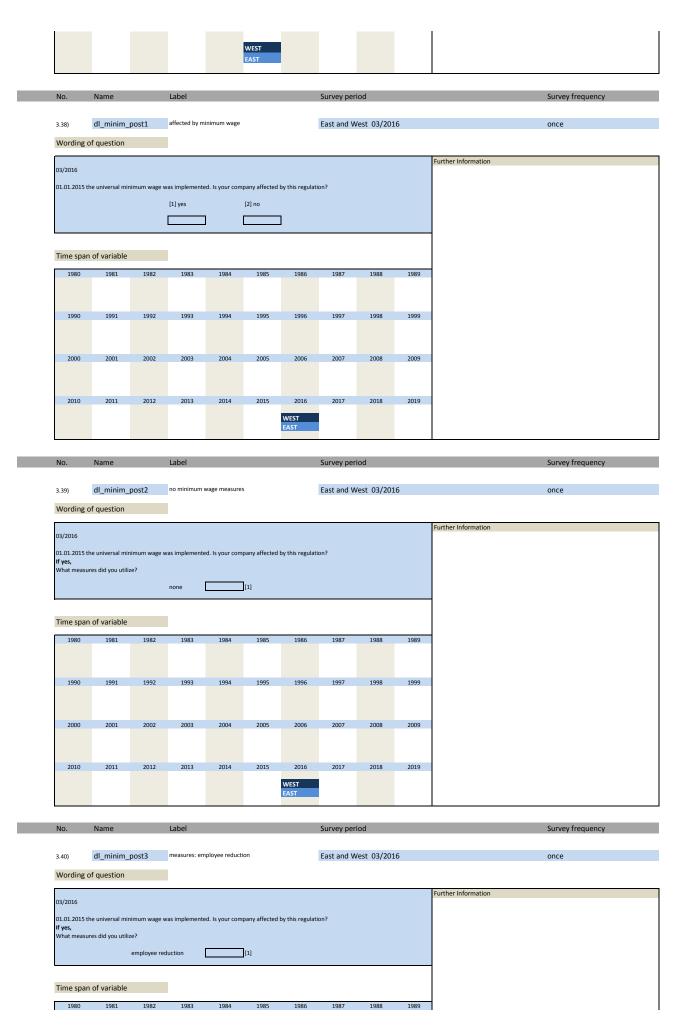
No. Name Label Survey period

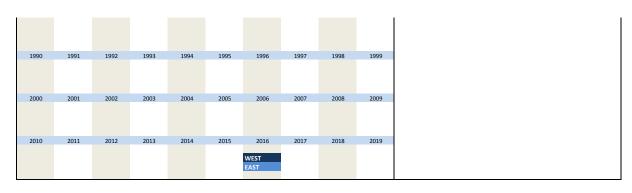
No.	Name	Label	Survey period	Survey frequency
3.29)	dl_ref1	refugees question 1	East and West 12/2015	once
Wordin	g of question			

I1 How large											
2. How large (do you assess t	ne potential o	of asylum seeker [1] small	s to be empl	oyed in the follo	wing position	5 <i>f</i>				
	trainees										
Time span	of variable										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
					WEST EAST						
No.	Name		Label				Survey per	iod			Survey frequency
3.30)	dl_ref2		refugees ques	tion 2			East and W	/est 12/201	15		once
Wording o	of question										
12/2015										Further Information	
	do you assess ti	he potential o	of asylum seeker	s to be empl	oyed in the follo	wing positions	i?				
			[1] small		[2] large						
	unskilled aid v	vorkers									
Time span	of variable										
2000	2001	2002	2003	2004	2005	2006			2000		
						2000	2007	2008	2009		
						2000	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2008	2019		
2010	2011										
2010	2011				2015 WEST						
2010 No.	2011 Name				2015 WEST			2018			Survey frequency
No.			2013	2014	2015 WEST		2017	2018 iod	2019		Survey frequency once
No.	Name dl_ref3		2013 Label	2014	2015 WEST		2017 Survey per	2018 iod	2019		
No.	Name dl_ref3		2013 Label	2014	2015 WEST		2017 Survey per	2018 iod	2019	Further Information	
No. 3.31) Wording o	Name dl_ref3 of question	2012	2013 Label refugees ques	2014 tition 3	2015 WEST	2016	2017 Survey per East and W	2018 iod	2019	Further Information	
No. 3.31) Wording o	Name dl_ref3 of question	2012	2013 Label refugees ques	2014 tition 3	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod	2019	Further Information	
No. 3.31) Wording o	Name dl_ref3 of question	2012	2013 Label refugees ques	2014 tition 3	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o	Name dl_ref3 of question do you assess the skilled worker	2012	2013 Label refugees ques	2014 tition 3	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o	Name dl_ref3 of question do you assess the skilled worker of variable	2012 the potential of	2013 Label refugees ques of asylum seeker [1] small	2014 tion 3	2015 WEST EAST oyed in the follor [2] large	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o	Name dl_ref3 of question do you assess the skilled worker	2012	2013 Label refugees ques	2014 tition 3	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o	Name dl_ref3 of question do you assess the skilled worker of variable	2012 the potential of	2013 Label refugees ques of asylum seeker [1] small	2014 tion 3	2015 WEST EAST oyed in the follor [2] large	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o	Name dl_ref3 of question do you assess the skilled worker of variable	2012 the potential of	2013 Label refugees ques of asylum seeker [1] small	2014 tion 3	2015 WEST EAST oyed in the follor [2] large 2005	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
No. 3.31) Wording o 12/2015 1. How large o Time span	Name dl_ref3 of question do you assess the skilled worker of variable	2012 the potential of s 2002	Label refugees ques of asylum seeker [1] small	2014 ction 3	2015 WEST EAST oyed in the follow [2] large	2016 wing position:	Survey per East and W	2018 iod /est 12/201	2019	Further Information	

Wording o							Last and V	/est 12/201	.5		once
	of question										
										Further Information	
12/2015											
1. How large	do you assess t	he potential o	of asylum seeker	s to be empl	oyed in the follow	wing position:	s?				
			[1] small		[2] large						
	leading position	ane.									
	leading position	ons									
Time span	of variable										
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
					WEST						
					EAST						
										<u> </u>	
No.	Name		Label				Survey per	iod			Survey frequency
							-,,,-				., ., .,
3.33)	dl_ref5		refugees ques	tion 5			East and W	/est 12/201	.5		once
Wording	of question										
wording	or question										
12/2015										Further Information	
1. How large	do you assess ti	ne potential o	of asylum seeker	s to be empl	oyed in the follow	ving position:	5?				
			[1] small		[2] large						
	other position	S									
Time spar											
	of variable										
	of variable										
2000	of variable 2001	2002	2003	2004	2005	2006	2007	2008	2009		
		2002	2003	2004	2005	2006	2007	2008	2009		
2000	2001										
		2002	2003	2004	2005	2006	2007	2008	2009		
2000	2001				2015 WEST						
2000	2001				2015						
2000	2001				2015 WEST						
2000	2001				2015 WEST			2018			Survey frequency
2000	2001		2013		2015 WEST		2017	2018			Survey frequency
2000 2010 No.	2001		2013	2014	2015 WEST		2017 Survey per	2018	2019		Survey frequency once
2000 2010 No.	2001 2011 Name		2013 Label	2014	2015 WEST		2017 Survey per	2018 iod	2019		
2000 2010 No.	2001 2011 Name		2013 Label	2014	2015 WEST		2017 Survey per	2018 iod	2019	Further Information	
2000 2010 No.	2001 2011 Name		2013 Label	2014	2015 WEST		2017 Survey per	2018 iod	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques	2014 ttion 6	2015 WEST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques asylum seekers [1] little	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques asylum seekers [1] little	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques asylum seekers [1] little	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques asylum seekers [1] little	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c 12/2015 2. how much	2001 2011 Name dl_ref6 of question labor law-rela	2012 co employing ted provision:	2013 Label refugees ques asylum seekers [1] little	2014 do you consi	2015 WEST EAST der the following [2] much	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c	2001 2011 Name dl_ref6 of question	2012	2013 Label refugees ques asylum seekers [1] little	2014 ttion 6	2015 WEST EAST	2016	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c 12/2015 2. how much	2001 2011 Name dl_ref6 of question labor law-rela	2012 co employing ted provision:	2013 Label refugees ques asylum seekers [1] little	2014 do you consi	2015 WEST EAST der the following [2] much	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 No. 3.34) Wording C 12/2015 2. how much	2001 2011 Name dl_ref6 of question labor law-rela of of variable 2001	2012 co employing ted provisions	2013 Label refugees ques asylum seekers [1] little s	2014 do you consi	der the following [2] much	2016 factors to be	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording c 12/2015 2. how much	2001 2011 Name dl_ref6 of question labor law-rela	2012 co employing ted provision:	2013 Label refugees ques asylum seekers [1] little	2014 do you consi	2015 WEST EAST der the following [2] much 2005	2016	Survey per East and W	2018 iod /est 12/201	2019	Further Information	
2000 2010 No. 3.34) Wording C 12/2015 2. how much	2001 2011 Name dl_ref6 of question labor law-rela of of variable 2001	2012 co employing ted provisions	2013 Label refugees ques asylum seekers [1] little s	2014 do you consi	der the following [2] much	2016 factors to be	2017 Survey per East and W	2018 iod /est 12/201	2019	Further Information	

No.	Name	Labe	el			Survey per	od			Survey frequency
3.35)	dl_ref7	refug	ees question 7			East and W	'est 12/201	5		once
	of question									
	•								Further Information	
12/2015										
2. how muc	ch of an obstacle to e	mploying asylum	seekers do you co	nsider the followi	ng factors to be	e in your branch:				
			[1] little		[2] much					
	unfit level of quali	ification								
Time spa	in of variable									
2000	2001	2002 2	2003 2004	1 2005	2006	2007	2008	2009		
2010	2011	2012 2	2013 2014	1 2015	2016	2017	2018	2019		
				WEST						
				EAST						
No.	Name	Labe	el			Survey per	od			Survey frequency
3.36)	dl_ref8	refug	ees question 8			East and W	est 12/201	5		once
Wording	of question									
									Further Information	
12/2015										
2. how muc	ch of an obstacle to e				ng factors to be	e in your branch:				
		[1] lit	tie	[2] much	٦					
	minimum wage				_					
Time sna	n of variable									
2000	2001	2002 2	2003 2004	1 2005	2006	2007	2008	2009		
2000	2002	2002	2003	2003	2000	2007	2000	2003		
2010	2011	2012 2	2013 2014	2015	2016	2017	2018	2019		
				WEST						
No.	Name	Labe	el			Survey per	od			Survey frequency
3.37)	dl_ref9	refug	ees question 9			East and W	'est 12/201	5		once
Wording	of question									
12/2015									Further Information	
2. how muc	ch of an obstacle to e	mploying asylum	seekers do you co	nsider the followi	ng factors to be	e in your branch:				
		[1] lit	tle	[2] much						
	lack of language s	ikills]					
Time spa	n of variable									
2000	2001	2002 2	2003 2004	1 2005	2006	2007	2008	2009		
									1	
2010	2011	2012 2	2013 2014	1 2015	2016	2017	2018	2019		





No.	Name		Label				Survey per	iod			Survey frequency
3.41)	dl_minim_l	oost4	measures: wo	rking hour red	uction		East and W	est 03/201/	.6		once
Wording	of question										
										Further Information	
03/2016											
	the universal min	imum wage w	as implemente	d. Is your com	pany affected	by this regulation	on?				
If yes, What measu	ıres did you utiliz	e?									
		working hour	reduction		[1]						
		working flour	reduction		[+]						
Time spar	n of variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
						WEST					
						EAST					

No.	Name		Label				Survey per	iod		Survey frequency	
3.42)	dl_minim_	post5	measures: inc	reased prices			East and W	Vest 03/201	.6	once	
Wording	of question										
wording	71 question										
03/2016										Further Information	
		.:	:		afft-d	by this regulation	2				
If yes,			as implemente	u. is your com	рапу апестео	by this regulation	nir				
What measur	res did you utili:	ze?									
		increased prio	ces		[1]						
Time snan	of variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
						WEST					
						EAST					
	·									_	

 No.
 Name
 Label
 Survey period
 Survey frequency

 3.43)
 dl_minim_post6
 measures: decreased investment
 East and West 03/2016
 once

 Wording of question

03/2016									
03/2016									
01.01.2015 t	he universal min	nimum wage w	ras implemente	d. Is your com	nany affected	by this regulation	nn?		
If yes,	ic dinversal iiii	minam wage w	us implemente	a. 15 your com	pany anecica	by this regulation	J		
	res did you utiliz	ze?							
					_				
		decreased inv	restment		[1]				
T:	-£:- - -								
rime spar	of variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1560	1501	1502	1703	1504	1505	1580	1507	1700	1303
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2000	2001	2002	2003	2004	2003	2000	2007	2008	2003
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
						WEST			
						EAST			

	No.	Name		Label				Survey per	iod			Survey frequency
3	3.44)	dl_minim_l	post7	measures: de	creased special	payments		East and W	/est 03/201	.6		once
,	Wording o	of question										
Г											Further Information	
0	03/2016											
		ne universal min	imum wage w	as implemente	ed. Is your com	pany affected	by this regulation	on?				
	f yes, What measur	res did you utiliz	te?									
		decresed spec				[1]						
L		ueci eseu spec	iai payments			[1]						
-	Time span	of variable										
Ī	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
ı												
ı	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
١												
١												
ı	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
١												
ı	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST					
							EAST					
L											<u> </u>	

3.45)	dl_minim_	post8	less minijobs				East and W	/est 03/201	.6
Wording	of question								
03/2016									
01.01.2015 t	he universal mir	nimum wage w	vas implemente	d. Is your com	pany affected l	by this regulation	on?		
Has there be	en a change in e	employment ir	n your company	?					
	less minijobs				[1]				
Timo cna	n of variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009

Survey period

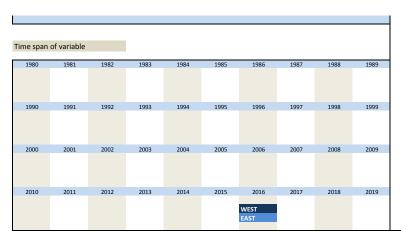
No. Name Label



	Name		Label				Survey per	iod				Survey frequency
3.46)	dl_minim_	post9	minijobs trans	formed into in	surable emple	oyment	East and W	/est 03/201	16			once
Wording	of question											
03/2016										Further Information	1	
01 01 2015	the universal mir	imum wago w	as implements	ud. Is wour som	nany affected	by this regulati	nn2					
					pariy arrected	by this regulati	OII:					
Has there be	een a change in e	employment ir	your company	?								
	minijobs were	transformed	into insurable	[1]								
	employment			[±]								
										-		
Time spar	n of variable											
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989			
1980		1982	1983	1984	1985	1986	1987	1988	1989			
1980		1982	1983	1984	1985	1986	1987	1988	1989			
1980 1990		1982	1983	1984	1985 1995	1986 1996	1987 1997	1988	1989 1999			
	1981											
	1981											
	1981											
1990	1981	1992	1993	1994	1995	1996	1997	1998	1999			
1990	1981	1992	1993	1994	1995	1996	1997	1998	1999			
1990	1981	1992	1993	1994	1995	1996	1997	1998	1999			
1990	1981	1992	1993	1994	1995 2005	1996 2006 2016	1997 2007	1998	1999			
1990	1981	1992	1993	1994	1995 2005	1996	1997 2007	1998	1999			

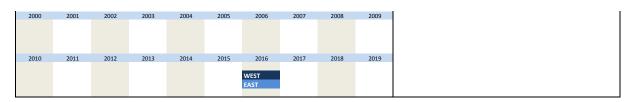
Supplied Supplied	No.	Name		Label				Survey per	iod			Survey frequency
Further Information												
Further Information	3.47)	dl_minim_	post10	new insurable	employment			East and W	/est 03/201	6		once
Further Information	Mording	of augstion										
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	wording (or question										
20.0.1.2015 the universal minimum wage was implemented. Is your company affected by this regulation? Has there been a change in employment in your company? new insurable employment was generated [1]	02/2046										Further Information	
Has there been a change in employment in your company? new insurable employment was generated [1]												
Time span of variable	1.01.2015 t	he universal min	nimum wage v	vas implemente	d. Is your com	pany affected	by this regulation	on?				
Separated 13 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 1999 1990 1991 1992 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST	las there be	en a change in e	employment in	n your company	?							
Time span of variable 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST			employment	was	[1]							
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST	Γime spar	of variable										
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST	1550	1331	1332	1333	2554	1333	1330	133,	1330	1333		
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 WEST												
WEST												
WEST	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
WEST	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
EAST												
							2016					

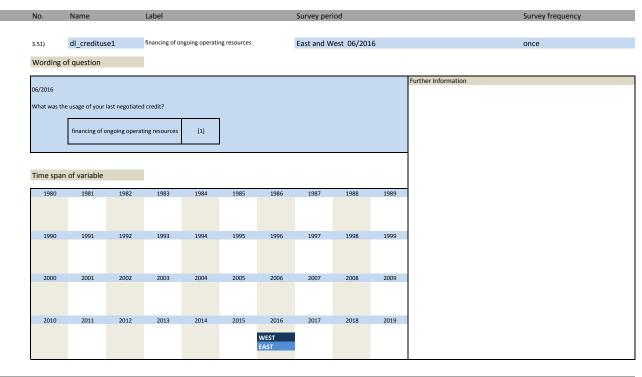
No.	Name	Label	Survey period		Survey frequency
3.48)	dl_minim_post11	employment relationships did n	ot change East and West 03	3/2016	once
Wordi	ng of question				
				Further Inform	nation
03/2016	i				
01.01.20	015 the universal minimum wage	was implemented. Is your compan	y affected by this regulation?		
Has the	re been a change in employment	in your company?			
	employment relationships	did not change [1]			



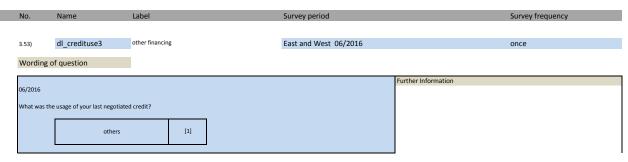
	Name		Label				Survey per	iod			Survey to	requency
3.49)	dl_creditye	!S	credit agreem	ent signed			East and W	est 06/201	.6		once	
Wording	of question											
										Further Information		
06/2016										Tartifer information		
Have you sig	ned one or more	e credit agreer	nents with ban	ks during the la	st 12 months	,						
	dits, debt restru											
Yes:												
							ı					
			expected, wor									
			as expected, lo									
		[4] lower amo	ount and worse	conditions tha	n expected							
Time snar	of variable		ı									
	of variable	1982	1983	1984	1985	1986	1987	1988	1989	-		
Time spar		1982	1983	1984	1985	1986	1987	1988	1989			
•		1982	1983	1984	1985	1986	1987	1988	1989			
1980	1981											
•		1982	1983	1984	1985	1986	1987	1988	1989			
1980	1981											
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999			
1980	1981											
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999			
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999			
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999			
1980	1981	1992	1993	1994	1995 2005	1996 2006	1997 2007	1998	1999 2009			
1980	1981	1992	1993	1994	1995 2005	1996	1997 2007	1998	1999 2009			

	Name	_	Label				Survey per	iou				Survey frequency
.50)	dl_creditno	С	redit agreemen	nt not signed			East and W	est 06/201/	.6			once
Vording o	of question											
										Further Informatio	n	
6/2016												
lave vou sie	ned one or more c	credit agreeme	ents with banks	during the las	st 12 months?							
	edits, debt restruct											
o, because:												
o, because:	•											
		1] no need										
		2] unacceptabl 3] denied by ba										
	[4	4] no realistic p	prospect of a cre	edit								
		4] no realistic p	prospect of a cre	edit								
ime spar	[4 n of variable	4] no realistic p	prospect of a cre	edit								
Time spar		4] no realistic p	prospect of a cre	1984	1985	1986	1987	1988	1989			
	n of variable				1985	1986	1987	1988	1989			
	n of variable				1985	1986	1987	1988	1989	-		
1980	n of variable	1982	1983	1984								
	n of variable				1985	1986	1987	1988	1989			
1980	n of variable	1982	1983	1984								
1980	n of variable	1982	1983	1984								





3.52) dl_credituse2 financing of an investment East and West 06/2016 once Wording of question 06/2016 What was the usage of your last negotiated credit? financing of an investment [1] Time span of variable 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	ce
Wording of question 06/2016 What was the usage of your last negotiated credit? financing of an investment [1] Time span of variable	ıe
06/2016 What was the usage of your last negotiated credit? financing of an investment [1] Time span of variable	
06/2016 What was the usage of your last negotiated credit? financing of an investment [1] Time span of variable	
What was the usage of your last negotiated credit? financing of an investment [1] Time span of variable	
financing of an investment [1] Time span of variable	
Time span of variable	
Time span of variable	
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989	
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019	
WEST	
EAST	



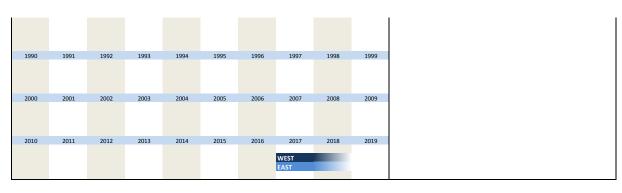
-	6								
Time span	of variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
						WEST EAST			

	Name		Label				Survey per	iod			Survey frequency
3.54)	dl_midman	ager	mid tier: more	than 4 manag	gers		East and W	/est 08/201	16		once
Wording	of question										
										Further Information	
08/2016											
mid tier											
Does your o	ompany have mo	re than 4 mai	nagers?								
		yes [1]			no [2]]				
Time spa	n of variable										
1980	1981	1982									
1300	1301		1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
1990	1001										
1990	1991	1992	1983	1984	1985	1986	1987	1988	1989 1999		
1990	1991										
		1992	1993	1994	1995	1996	1997	1998	1999		
1990	1991										
		1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	1992	1993	1994	1995 2005	1996	1997 2007	1998	1999		
		1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	1992	1993	1994	1995 2005	1996	1997 2007	1998	1999		

3.55)	dl midman	share	mid tier: at lea	st one manag	er has shares		East and W	/est 08/201	6		once
	_										
Nording of	question										
										Further Information	
08/2016											
nid tier											
oes at least or	ne of your mar	nagers hold sl	hares of your co	mpany?							
	,	yes [1]			no [2]		1				
Time span o	of variable										
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989		
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
						WEST					
						EAST					

3.56)	dl_midyes									
Wording o	of question		l							
										Further Information
08/2016										
mid tier Would vou ra	ate your compar	nv as a "mid tie	er" company?							
		yes [1]			no [2]		1			
		yes [1]			110 [2]		_			
Time span	of variable									
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1300	1561	1302	1505	1304	1363	1300	1567	1300	1383	
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
						WEST EAST				
No.	Name	-	Label	-	-		Survey per	ind		Survey frequency
	Hume		20001				builtey per	.00		salvey mequency
3.57)	dl_credit2_	_1	credit seeking				East and W	est since 0	3/2017	March, June, September, I
Wording o	of question									
wording o	or question									Combined to formation
										Further Information
03/2017										
credit allocat										
credit allocat	tion it talks with ban	ks during the I	last 3 months							
credit allocat		ks during the I	_			7 [2] no				
credit allocat		ks during the I	last 3 months			[2] no				
credit allocat We had credi	it talks with ban	ks during the l	_			[2] no				
redit allocat We had credii	it talks with ban][1] yes							
r edit allocat Je had credi	it talks with ban	ks during the l	_	1984	1985	[2] no	1987	1988	1989	
redit allocat /e had credii	it talks with ban][1] yes	1984	1985		1987	1988	1989	
redit allocat /e had credii ime span 1980	of variable	1982	[1] yes			1986				
redit allocat Ve had credi	it talks with ban][1] yes	1984	1985		1987	1988	1989	
redit allocat /e had credii ime span 1980	of variable	1982	[1] yes			1986				
redit allocat We had credi Fime span 1980	of variable	1982	[1] yes			1986				
Time span	of variable 1981	1982	[1] yes 1983 1993	1994	1995	1986	1997	1998	1999	
Time span	of variable 1981	1982	[1] yes 1983 1993	1994	1995	1986	1997	1998	1999	
Time span	of variable 1981	1982	[1] yes 1983 1993	1994	1995	1986	1997	1998	1999	
Time span 1980 2000	of variable 1981 1991 2001	1982	[1] yes	1994	1995	1986 1996 2006	1997 2007 2017	1998	1999	
Time span 1980 2000	of variable 1981 1991 2001	1982	[1] yes	1994	1995	1986 1996 2006	1997	1998	1999	
Time span 1980 2000	of variable 1981 1991 2001	1982	[1] yes	1994	1995	1986 1996 2006	1997 2007 2017	1998	1999	
Time span 1980 2000	of variable 1981 1991 2001	1982	[1] yes	1994	1995	1986 1996 2006	1997 2007 2017	1998 2008 2018	1999	Survey frequency
Time span 1980 2000 2010	of variable 1981 1991 2001 Name	1982	1983 1993 2003 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	
Time span 1980 2000 2010	of variable 1981 2001	1982	1983 1993 2003	1994 2004 2014	1995	1986 1996 2006	1997 2007 2017 WEST EAST	1998 2008 2018	1999 2009 2019	Survey frequency March, June, September,
Time span 1980 2000 2010 No.	of variable 1981 1991 2001 Name	1982	1983 1993 2003 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	
Time span 1980 2000 2010 No. 3.58)	of variable 1981 1991 2001 Name dl_credit2_	1982	1983 1993 2003 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	
Time span 1980 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_of question	1982	1983 1993 2003 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 Name dl_credit2_ of question	1982 1992 2002 2012	1983 1993 2003 2013 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_of question	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 Name dl_credit2_ of question	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocation	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocation	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocation iast 3 months yes	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_ of question tion it talks with ban	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I
Time span 1980 1990 2000 2010 No. 3.58) Wording o	of variable 1981 1991 2001 2011 Name dl_credit2_of question tion tion tion tion tion tion tion tion tion	1982 1992 2002 2012	1983 1993 2003 2013 Label credit allocatio	1994 2004 2014	1995	1986 1996 2006	2007 2017 WEST EAST Survey per	1998 2008 2018	1999 2009 2019	March, June, September, I



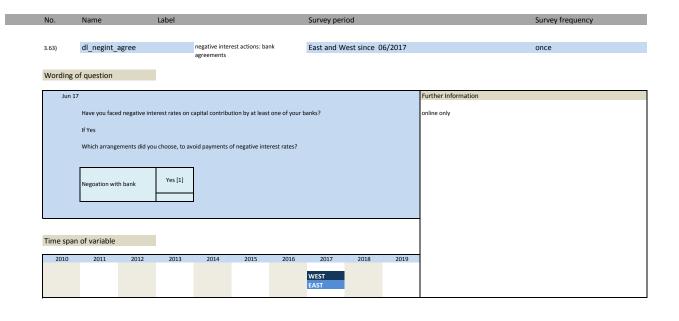
	Name		Label				Survey peri	iod			Survey frequency
3.59)	dl_credit2_	3	reasons for no	ot credit seekin	g		East and W	est since 0	3/2017		March, June, September, Decer
Wording	of question										
03/2017										Further Information	
credit alloca											
We had cred	lit talks with bank	-	_								
			no								
			[1] no need								
			[2] other reaso	ons							
										i e	
	n of variable										
Time spar	of variable	1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983 1993	1984	1985 1995	1986 1996	1987 1997	1988	1989 1999		
1980	1981										
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981										
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980 1990 2000	1981 1991 2001	1992	1993	1994	1995 2005	1996 2006	1997	1998	1999		

0.	Name		Label				Survey per	iod			Survey frequency
50)	dl_exports		exporting serv	ices to foreign	companies/pe	rsons	East and W	Vest since 0	4/2017		once
ording (of question										
orung (or question										
/2017										Further Information	
es your fir	rm export service	es to foreign co	ompanies/perso	ons?							
				[1] yes							
				[2] no							
				[3] not custom	ary in our field	1					
				[4] no stateme	ent possible						
				[4] no stateme	ent possible						
				[4] no stateme	ent possible						
me spar	n of variable			[4] no stateme	ent possible						
		1987				1986	1087	1099	1080		
me spar	n of variable	1982	1983	[4] no stateme	ent possible	1986	1987	1988	1989		
		1982				1986	1987	1988	1989		
1980	1981		1983	1984	1985						
		1982				1986 1996	1987 1997	1988	1989		
1980	1981		1983	1984	1985						
1980	1981 1991	1992	1983	1984	1985	1996	1997	1998	1999		
1980	1981		1983	1984	1985						
1980	1981 1991	1992	1983	1984	1985	1996	1997	1998	1999		
1980	1981 1991	1992	1983	1984	1985	1996	1997	1998	1999		



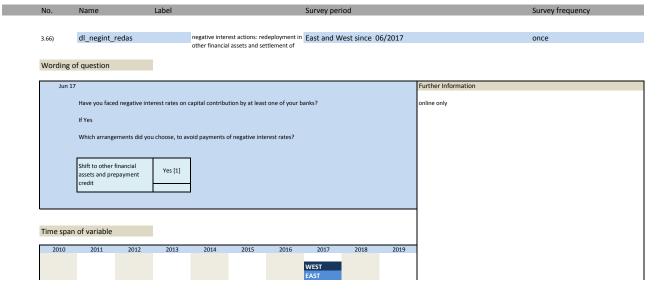
No.	Name		Label				Survey peri	od			Survey frequency
3.61)	dl_negint			confronted wi	th negative int	erest rates	East and W	est since 0	6/2017		once
	<u></u>								,		
Wording	of question										
Jun 1	17									Further Information	
	Have you faced	d negative inte	rest rates on c	apital contribu	tion by at least	one of your	banks?			online only	
			Yes [1]	No [2]							
		l									
Time spa	n of variable										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST EAST				
							EAST				

No.	Name	Label			Survey per	iod		Survey frequency
3.62)	dl_negint	pact	negative inte	rest actions: none	East and W	/est since(6/2017	once
Wordin	g of question							
Jur	17							Further Information
	Have you faced	negative interest rate	s on capital contribu	ution by at least one of y	our banks?			online only
	If Yes							
	Which arrangen	nents did you choose,	to avoid payments	of negative interest rate	s?			
	na arrangement interest rate acc		1]					
Time sp	an of variable							
Time sp		2012 201	3 2014	2015 201	6 2017	2018	2019	



No.	Name	Li	abel				Survey per	iod		Survey frequency	
3.64)	dl_negint_c	hange		negative inter	est actions: change	of bank	East and W	est since (06/2017	once	
Wording of	f question										
Jun 17										Further Information	
	Have you faced	I negative intere	st rates on c	apital contribu	tion by at least one	of your b	banks?			online only	
	If Yes										
	Which arranger	ments did you cl	hoose, to avo	oid payments o	of negative interest i	rates?					
	Change to anot		Yes [1]								
	which does not negative intere										
ı.		<u> </u>									
										1	
Time span	of variable										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST				
							EAST				
										I	

No.	Name	Label			Survey per	iod		Survey frequency
3.65)	dl_negint_inc		negative interest actions: in	crease of cash	East and W	est since C	6/2017	once
Wording o	of question							
Jun 1	7							Further Information
	Have you faced neg	gative interest rates on o	capital contribution by at lea	st one of your b	anks?			online only
	If Yes							
	Which arrangemen	nts did you choose, to av	void payments of negative in	terest rates?				
			-					
	Higher cash ratio	Yes [1]						
	nigher cash ratio							
			<u>.</u>					
Time snar	n of variable							
Time spai								
2010	2011	2012 2013	2014 2015	2016	2017	2018	2019	
					WEST			
					EAST			
								-L



No.	Name	La	abel				Survey peri	od			Survey frequency
3.67)	dl_negint_r	edasint	ne	egative intere	st actions: recompany	leployment o	f East and W	est since O	6/2017		once
Wording	g of question										
Jun	ı 17									Further Information	
	Have you face	d negative intere	st rates on cap	ital contributi	on by at least	one of your	banks?			online only	
	If Yes										
	Which arrange	ments did you ch	hoose, to avoic	d payments of	negative inte	rest rates?					
	Rearrangemer other segment company		Yes [1]								
Time sp	an of variable										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST EAST				

No.	Name	Label		St	urvey period		Survey frequency
3.68)	dl_negint_inv	,	negative interest actions: inve		ast and West since 0	6/2017	once
			preponing (additional) investr	ments			
Wording	of question						
	1,0000						
Jun :	17						Further Information
	Have you faced n	egative interest rates on	capital contribution by at least (one of your bank	ks?		online only
	If Yes						
	Which arrangeme	ents did you choose, to a	roid payments of negative inter	est rates?			
			7				
	(Early) conducting	g Yes [1]					
	(additional) invest	tments					
			J				
Time spa	n of variable						
2010	2011	2012 2013	2014 2015	2016	2017 2018	2019	
				W	VEST		
					AST		

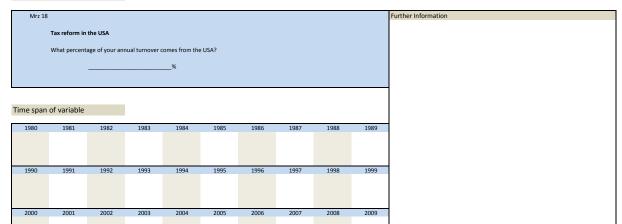
No.		Name	Label		Survey period		Survey frequency
3.69		dl_negint_oth		negative interest actions: other	East and West since 06/2017		once
Wo	rding o	f question					
	Jun 17					Further Information	
		Have you faced negative int	erest rates on	capital contribution by at least one of your b	panks?	online only	
		If Yes					
		Which arrangements did yo	u choose, to av	roid payments of negative interest rates?			
		Other: please specify	Yes [1]				
Tim	e span	of variable					

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
							WEST		
							EAST		
							EAST		

No.	Name		Label				Survey peri	od			Survey frequency
3.70)	dl_negint_	burden			ative interest r	ates on profi	t East and W	est since C	6/2017		once
				situation							
Wording	g of question										
	•										
Jun	17									Further Information	
	Negative inter	est rates hav	e a negative imp	oact on our rev	enues					online only	
				1	1						
			highly significant [1]		negiligible or not at all [3]						
			Significant [1]	[2]	not at an [5]						
				l							
Time sp	an of variable										
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
2010	2022	2012		2324		2310		2320			
							WEST EAST				

No.	Name		Label				Survey peri	od			Survey frequency
3.71)	dl_negint_	banks		number of rel	ationship bank	5	East and W	est since 0	6/2017		once
Wording	of question										
Jun 1	17									Further Information	
	How many ma	ain banks do yo	ou use?							online only	
	If No										
	How many ba	nks do you nar	ne voure main	hank?							
	,		,				, ,				
		0 [0]	1 [1]	2 [2]	3 [3]	4 [4]	More than 4 [5]				
Time spar	n of variable										
			2042	2044	2045	2016	2047	2040	2040		
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
							WEST				
							EAST				

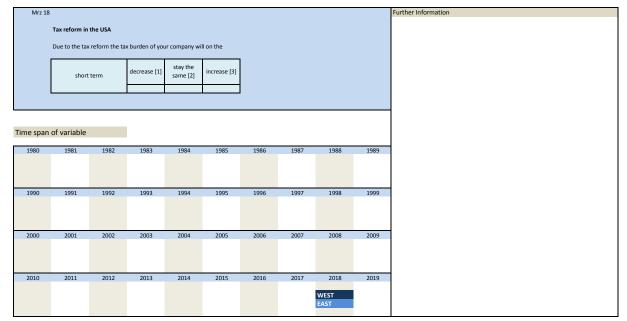
No.	Name	Label	Survey period	Survey frequency
3.72)	dl_ustax_sales	tax reform: percentage sales in US	East and West since 03/2018	once





1	No.	Name		Label				Survey pe	riod		Survey frequency
3	.73)	dl_ustax_co	ompetition		tax reform: co companies	mpetition with	US-	East and V	Vest since 0	3/2018	once
١	Nording of	question									
	Mrz 18										Further Information
		Tax reform in	the USA								
		How does you	r company con	mpete with cor	mpanies from t	he USA?					
			strong [1]	medium [2]	weak [3]	none [4]					
			Strong [1]	medium (2)	weak [5]	none [4]					
1	ime span	of variable									
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
	1550	1551	1552	1993	1554	1555	1550	1557	1556	1999	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	2010	2011	2012	2013	2014	2013	2010	2017	WEST	2013	
									EAST		
L											

No.	Name	Label		Survey period	Survey frequency
3.74)	dl_ustax_shortterm		tax reform: tax burden short term	East and West since 03/2018	once



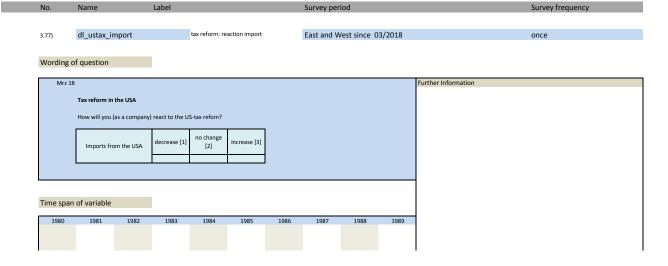
No.	Name	Label		Survey period		Survey frequency
3.75)	dl_ustax_longterm		tax reform: tax burden long term	East and West since 03/2018		once
Wording o	of question					
Mrz 18	8				Further Information	

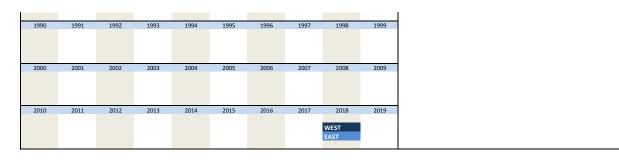
	Tax reform in	the USA							
	Due to the tax	reform the ta	x burden of you	ır company wi	ll on the				
	long	term	decrease [1]	stay the same [2]	increase [3]				
Time spai	n of variable								
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
								WEST	
								EAST	

Survey frequency

No. Name Label Survey period

	dl ustax e	xnort		tax reform: re	action export		Fast and V	Vest since 03	3/2018		once
6)	austux_e	Aport			•		Last and V	· cot since to	0,2010		Once
ording c	of question										
Mrz 18	3									Further Information	
	Tax reform in	the USA									
	How will you (as a company) react to the U	S-tax refom?							
				no change							
	Exports to	o the USA	decrease [1]	[2]	increase [3]						
ne span	of variable										
		1982	1983	1984	1985	1986	1987	1988	1989		
ne span 1980	of variable	1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
1980	1981										
		1982	1983 1993	1984	1985 1995	1986	1987	1988	1989		
1980	1981										
1980	1981				1995			1998			
1980	1981	1992	1993	1994		1996	1997		1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998 2008 2018	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		





	Name		Label				Survey per	riod			Survey frequency
3.78)	dl ustax ii	avii e		tax reform: re	action investm	ent in US	Fact and V	Vest since 0	3/2018		once
3.76)	ui_ustax_ii	ivus					Last and V	vest since o	3/2010		once
Wording	of question										
wording	or question										
Mrz 1	18									Further Information	
	Tax reform in	the USA									
	How will you	(as a company) react to the U	S-tax refom?							
				no change							
	Investmen	it in the US	decrease [1]	[2]	increase [3]						
Time sna	n of variable										
	n of variable										
1980	n of variable	1982	1983	1984	1985	1986	1987	1988	1989		
		1982	1983	1984	1985	1986	1987	1988	1989		
1980	1981										
		1982	1983	1984	1985 1995	1986	1987 1997	1988	1989		
1980	1981										
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981										
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981 1991	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999		
1980	1981	1992	1993	1994	1995	1996	1997	1998 2008 2018	1999		

No. Name Label Survey period

9)	dl_ustax_ir	nvger		tax reform: re Germany	action investme	ent in	East and V	Vest since 0	3/2018		once	
				Cermony								
ording of	f question											
Mrz 18										Further Information		
	Tax reform in	the USA										
	How will you (as a company) react to the U	S-tax refom?								
	Investment	in Germany	decrease [1]	no change [2]	increase [3]							
ne span	of variable											
ne span	of variable	1982	1983	1984	1985	1986	1987	1988	1989			
•		1982	1983	1984	1985 1995	1986	1987	1988	1989			
1980	1981											
1980	1981											
1980	1981	1992	1993	1994	1995	1996	1997	1998	1999			

Survey frequency

3.80)	dl_ustax_intelprop	tax reform: relocation of intellectual	East and West since 03/2018	once
		property		

