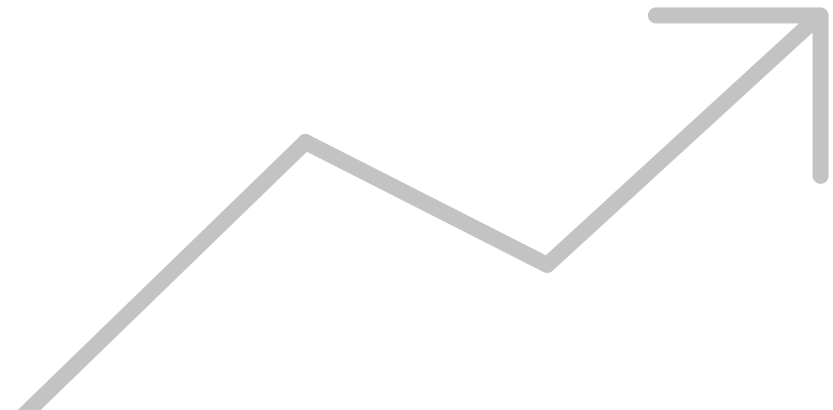


Reoptimizing/updating sample for PPI

(including initial recruitment of reporting companies)



Agenda

- Framework conditions
- Sample design for the drawing of reporting entities
- Determining the number of price observations
 - for the optimization of an existing survey
 - for a new survey
- Recruitment
 - in ongoing business as part of rotation of entities
 - when setting up a new survey

Framework conditions

- no production statistics in the service sector
- no information on the services provided by companies beyond the economic focus
- ➔ the recruitment for rotation or to fill gaps in the current survey is often unsuccessful
 - Solution 1
The random sample is designed to be considerably larger than the number of reporting entities actually required
 - Solution 2
A preliminary survey is first conducted in accordance with the Federal Statistics Act to define the reporting population

Determining the number of price observations

What do we need?

- distribution of price changes in the aggregates,
- weight of the first aggregates and
- maximum acceptable sampling error

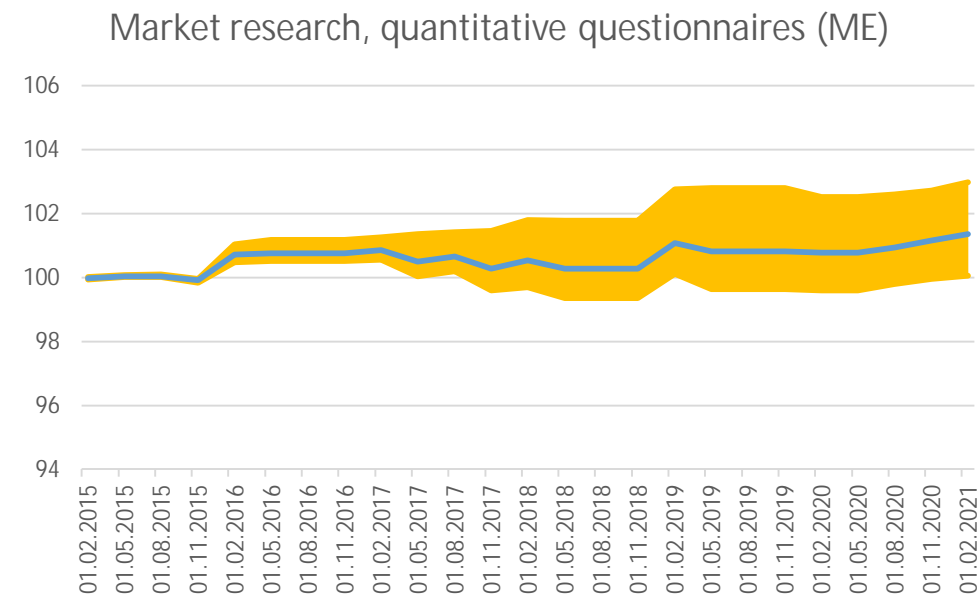
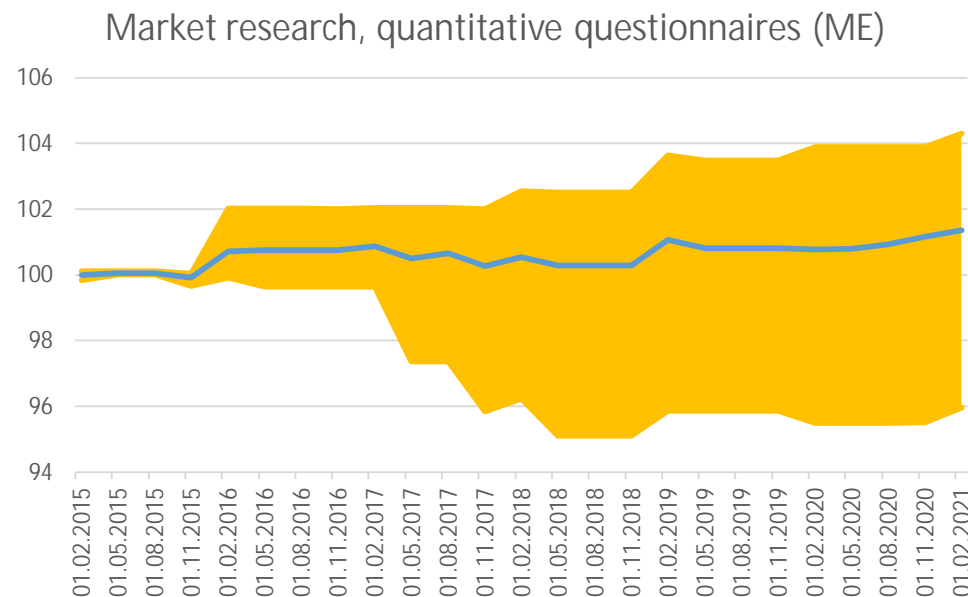
→ Number of price observations required at the lowest level

→ Impact on the number of reporting entities required

But: the distribution of price changes is not available for a new survey

Determining the number of price observations

Market research	Weight	# Priceobservation prior to rotation	calculated sample size	robust sample size
quantitative questionnaires (ME)	1,30	138	7	30
quantitative questionnaires (LC)	1,61	104	8	36
qualitative questionnaires (ME)	0,50	43	2	20
qualitative questionnaires (LC)	0,62	44	4	22



Sample of enterprises

NACE 78.1 Activities of employment placement agencies				
Company size classes according to turnover in 1000 €	enterprises		turnover	
	number	percentage share	in 1000 €	percentage share
total	3 700		5 154 314	
unter 100 000	1 260	34,1	65 355	1,3
100 000 - 250 000	761	20,6	121 886	2,4
250 000 - 500 000	537	14,5	191 264	3,7
500 000 - 1 Mill.	586	15,8	448 573	8,7
1 Mill. - 2 Mill.	265	7,2	365 103	7,1
2 Mill. - 5 Mill.	186	5,0	591 823	11,5
5 Mill. - 10 Mill.	53	1,4	401 946	7,8
10 Mill. - 25 Mill.	31	0,8	463 812	9,0
25 Mill. - 50 Mill.	13	0,4	420 459	8,2
50 Mill. - 100 Mill.	4	0,1	281 265	5,5
100 Mill. und mehr	3	0,1	1 802 827	35,0

NACE 51.21 Freight Air transport				
Company size classes according to turnover in 1000 €	enterprises		turnover	
	number	percentage share	in 1000 €	percentage share
total	69		6 198 699	
unter 100 000	9	13,0	281	0,0
100 000 - 500 000	7	10,1	2 102	0,0
500 000 - 1 Mill.	12	17,4	9 976	0,2
1 Mill. - 2 Mill.	8	11,6	12 673	0,2
2 Mill. - 5 Mill.	9	13,0	27 351	0,4
5 Mill. - 10 Mill.	11	15,9	85 377	1,4
10 Mill. - 50 Mill.	5	7,2	87 876	1,4
50 Mill. - 100 Mill.	3	4,3	162 026	2,6
100 Mill. und mehr	5	7,2	5 829 919	94,1

Recruiting

Description of the service		
Service product	Characteristics	Values of the characteristics
Office in Frankfurt or Rhine-Main area	Location of the property	2 Moritzstraße xx; 65191
	single rental object or complete property	3 5 rental contracts
	rental area in sqm	4 620
	vacancy in sqm	5 80
	year of completion	6 1960
	year of last modernisation	7 2009

Recruiting

Price of the service described								
Month ¹⁰	Price of the service excluding VAT ¹¹		area let in sqm ¹²	Have the descriptions and/or conditions of the service changed since last reporting period?		If yes: please indicate comparable price for the new service in previous period. ¹³		change since last reporting period
	Euro	Cent		No	Yes	Euro	Cent	
Februar 2020	35.500	00	620	<input type="checkbox"/>	<input type="checkbox"/>			
Mai 2020	35.500	00	620	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
August 2020	29.000	00	540	<input type="checkbox"/>	<input checked="" type="checkbox"/>	28.000	00	80qm Leerstand

Contact

Statistisches Bundesamt
65180 Wiesbaden
Germany

www.destatis.de

www.destatis.de/kontakt

Contact Person
Dorothee Blang
dorothee.blang@destatis.de
Phone +49 611 75-2319

