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Quality Assurance

KARL-FRANZENS-UNIVERSITÄT GRAZ
UNIVERSITY OF GRAZ



What's next? Tracking of universities' graduates on the labour market using administrative data

MARINA ZELDOVICH
ANDREAS RAGGAUTZ
MICHAEL HOFER
LUKAS MITTERAUER

12th European Quality Assurance Forum
23 – 25 November 2017

SURVEY

- Graduates' **survey** is the most used method (paper-pencil or online questionnaire) to assess...
 - entry process into labour market
 - employment situation after graduation (mostly 2 to 5 years)
 - relevance of competences acquired during university studies
- Drawbacks:
 - Access (contact data) and response rate problems
 - Reliability of the data (e.g. memory bias)
 - Panel mortality in longitudinal surveys



WHAT WAS YOUR FIRST INCOME AFTER GRADUATION?

SURVEY: EXAMPLES

- **Austria**

- Trendence Graduate Barometer
<https://www.oesterreichs100.at/top-arbeitgeber/absolventenbefragung.htm>

- **Germany**

- Graduates panel by DZHW German Centre for HE research and Science Studies http://www.dzhw.eu/en/abteilungen/bildung/index_html

- **England**

- The UK Graduate Careers Survey by High Fliers Research
<http://www.highfliers.co.uk/>

- **Europe**

- EUROGRADUATE <http://www.eurograduate.eu/>

- ...

TRACKING



<https://goo.gl/EgJA7c>

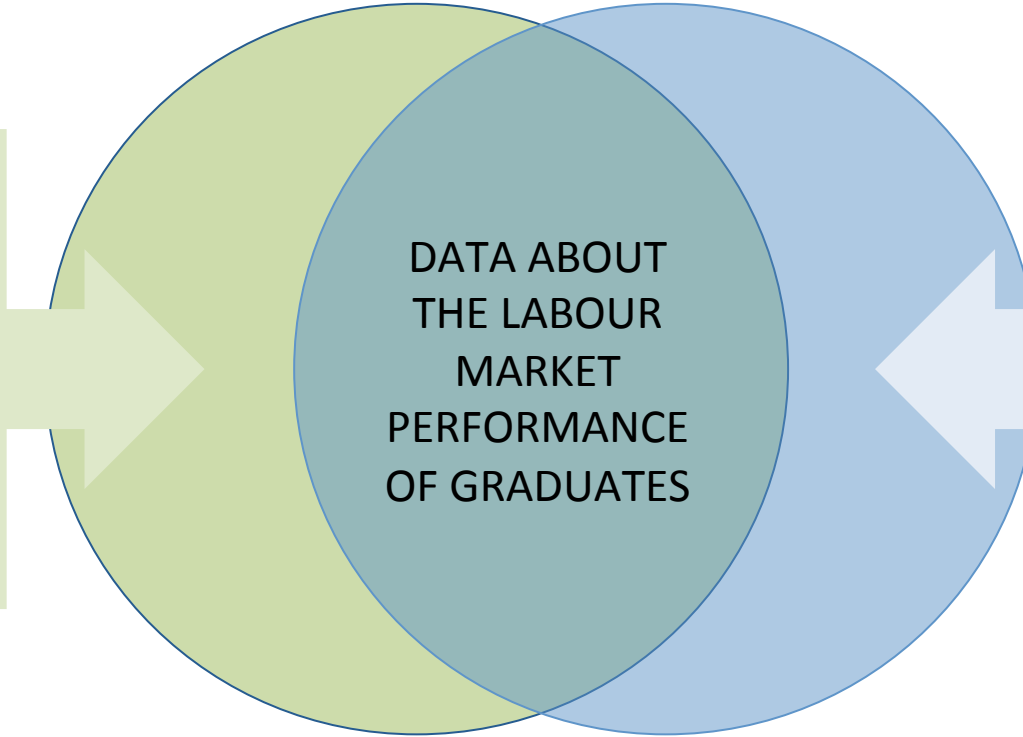
- Graduates' **tracking** is based on university's administrative data automatically and anonymously merged with data of the *Main Association of Austrian Social Security Institutions*
- Provides reliable information about:
 - Employment status after graduation
 - Income data
 - Economical field of employment
- Advantages:
 - Data about all graduates registered by the national social security system
 - Career tracking over the whole life span in Austrian labour market possible
- Drawbacks:
 - No data about suitability of competences and concrete job profile, satisfaction with the employment, motives for job choice, etc.

TRACKING

HARD FACTS

NO RESPONSE
BIAS

INFORMATION
ABOUT WHOLE
POPULATION



DATA ABOUT
THE LABOUR
MARKET
PERFORMANCE
OF GRADUATES

SURVEY

MOTIVES

SATISFACTION

COMPETENCES

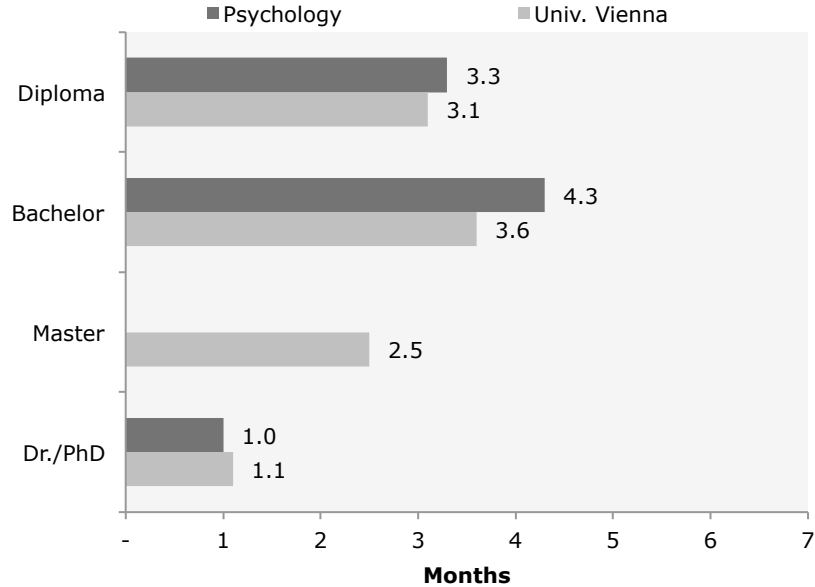
GRADUATES CAREER TRACKING IN AUSTRIA

	UNIVERSITY OF VIENNA	UNIVERSITY OF GRAZ
Sample	Modelling a 'typical' graduate (<35 years old, leaving the university after graduation)	All graduates
Data analysing institution	Statistic Austria	Institute of Advanced Studies
Categories	Labour market status (employed, unemployed, etc.), labour market integration (time to first job, job changes), income (median/quartiles, monthly/annual), economic sectors	
Study information	Faculty, fields of studies, type of studies (BA, MA, Diploma, teacher training programs, PhD), duration of studies, ECTS	
Personal information	Gender, age, citizenship, study entrance qualification, previous HE degrees (e.g. BA at another university)	

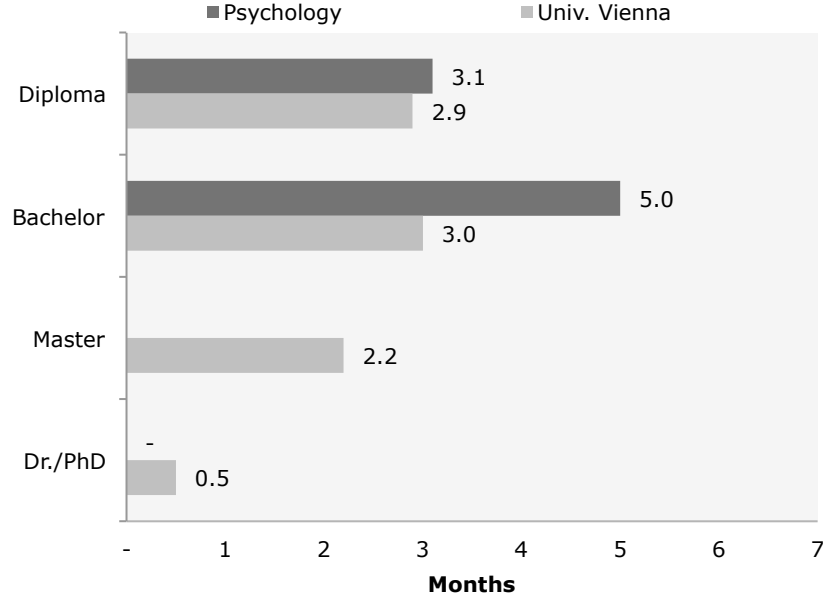
EXAMPLES: UNIVERSITY OF VIENNA

Time until First Employment Following Graduation

Median Women



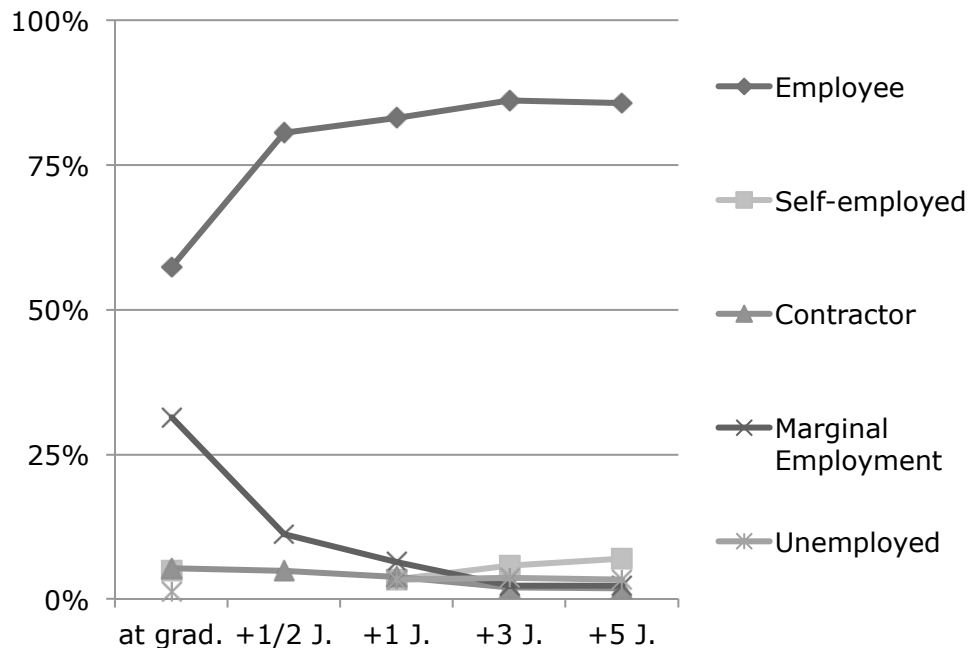
Median Men



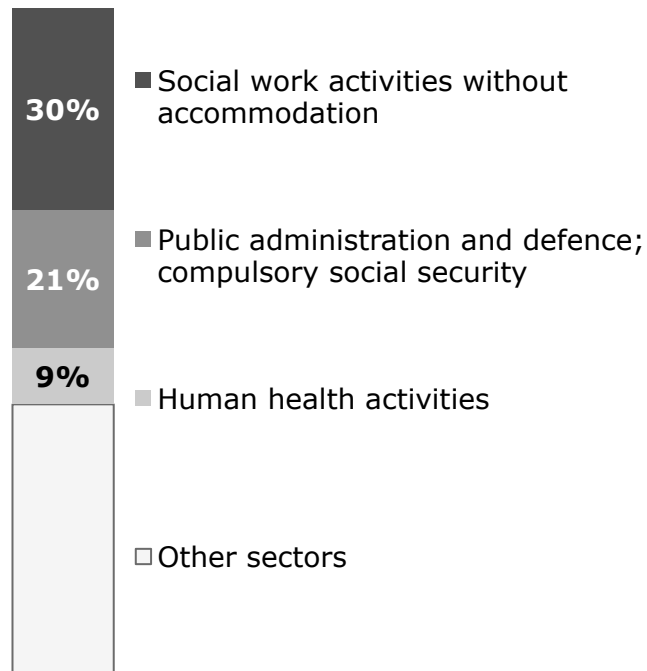
EXAMPLES: UNIVERSITY OF VIENNA

Employment Status and Top Sectors: Diploma Psychology

Employment status (incl. student and temporary jobs)

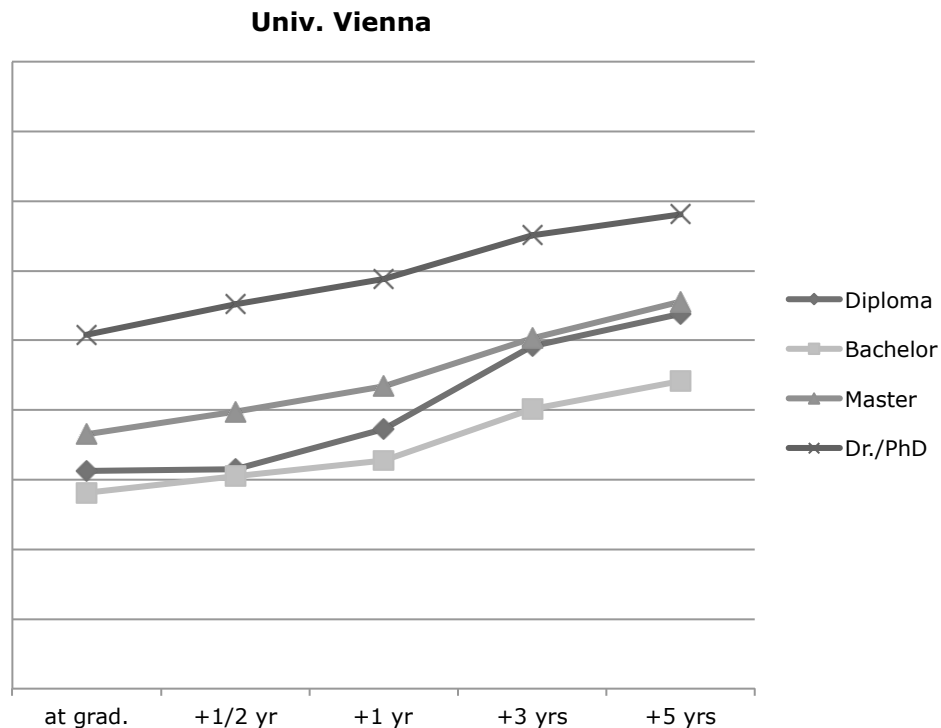
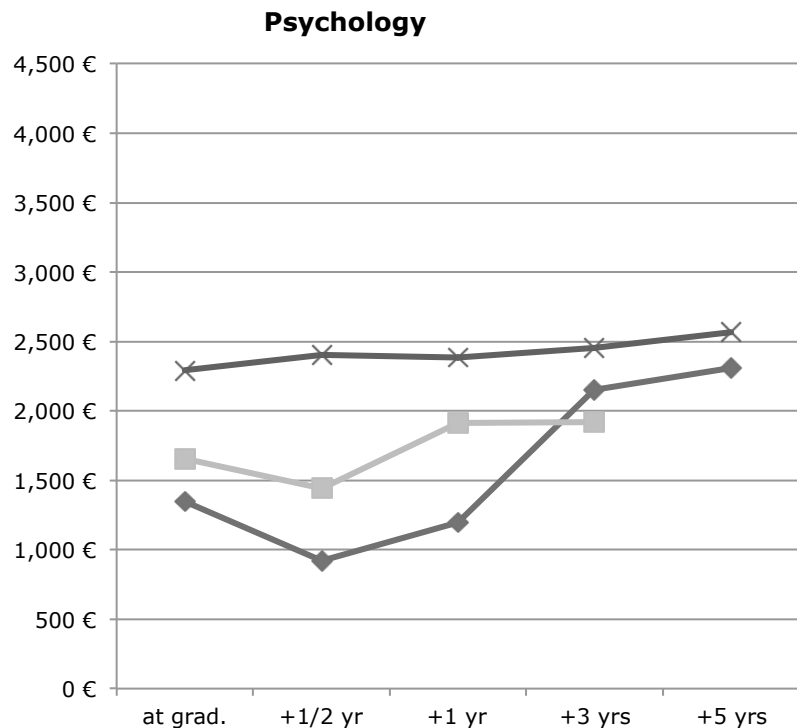


Top 3 Sectors of Employment (ÖNACE), 5 years after graduation



EXAMPLES: UNIVERSITY OF VIENNA

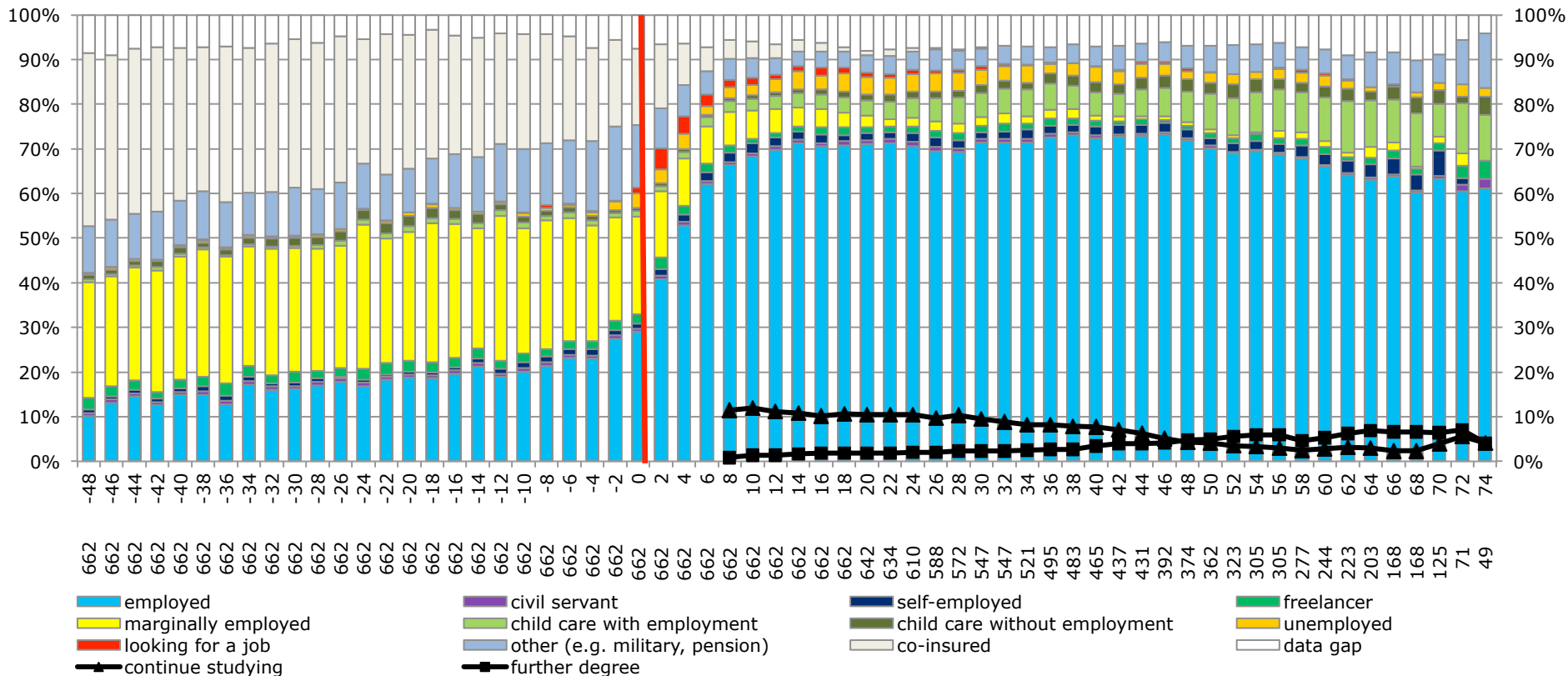
Monthly Income (gross pay, inflation-adjusted): Women



EXAMPLES: UNIVERSITY OF GRAZ

Labour Market Status

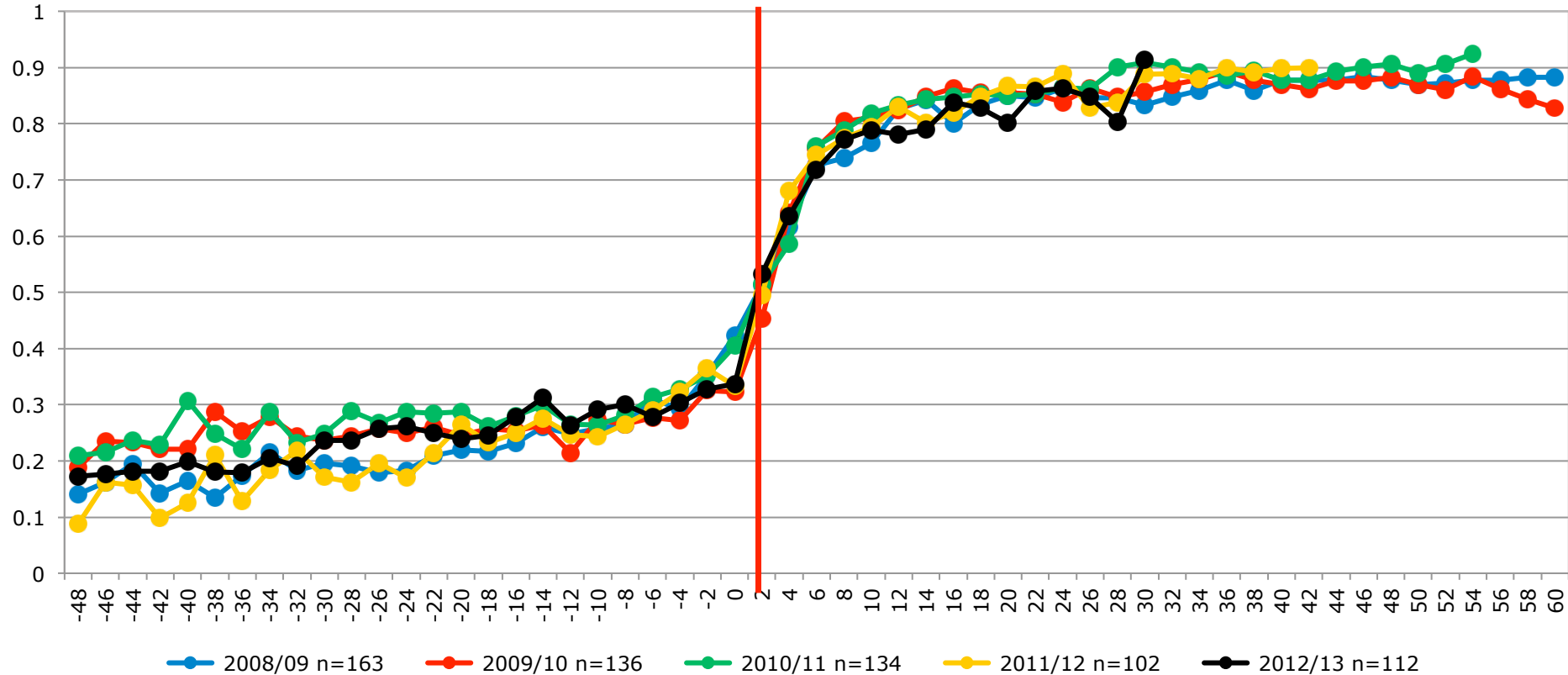
Psychology graduates (diploma) academic years 2008/09 to 2012/13



EXAMPLES UNIVERSITY OF GRAZ

Labour Market Integration of Different Cohorts

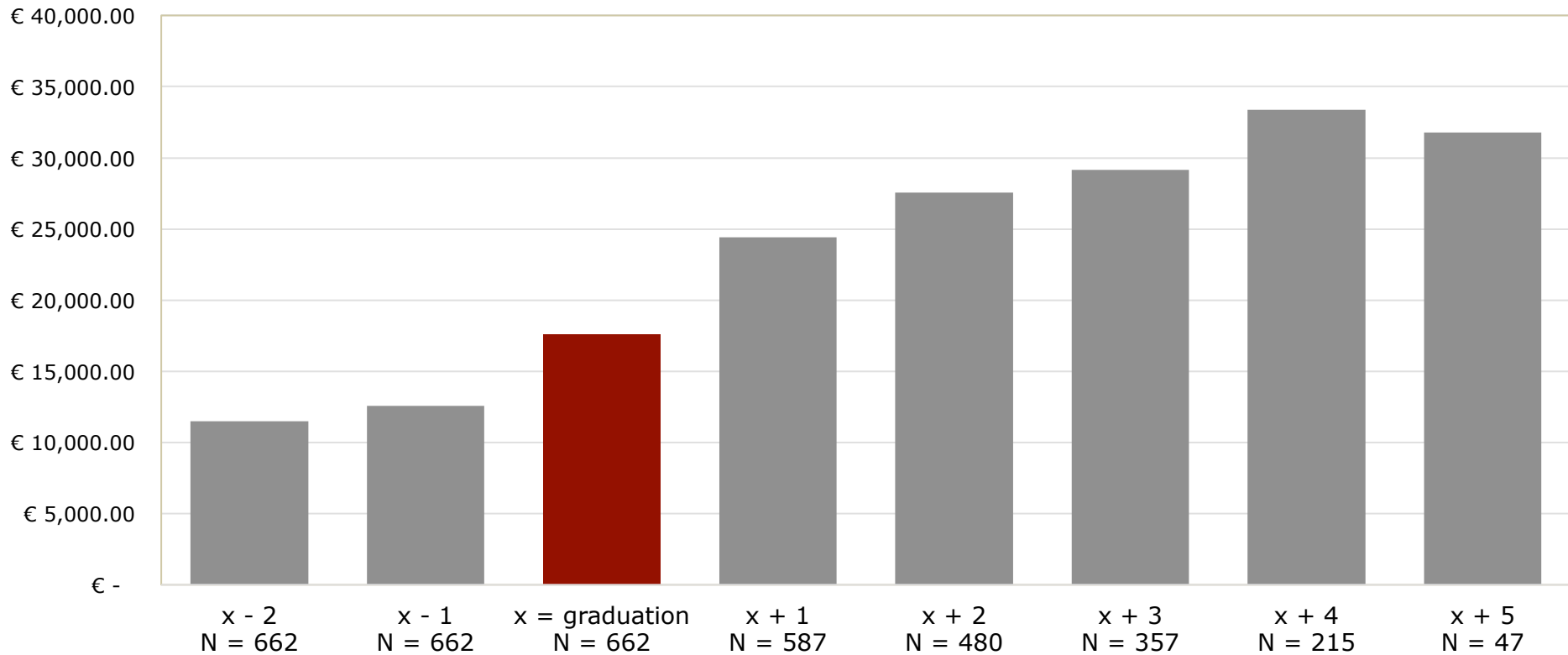
Labour market integration of psychology graduates



EXAMPLES UNIVERSITY OF GRAZ

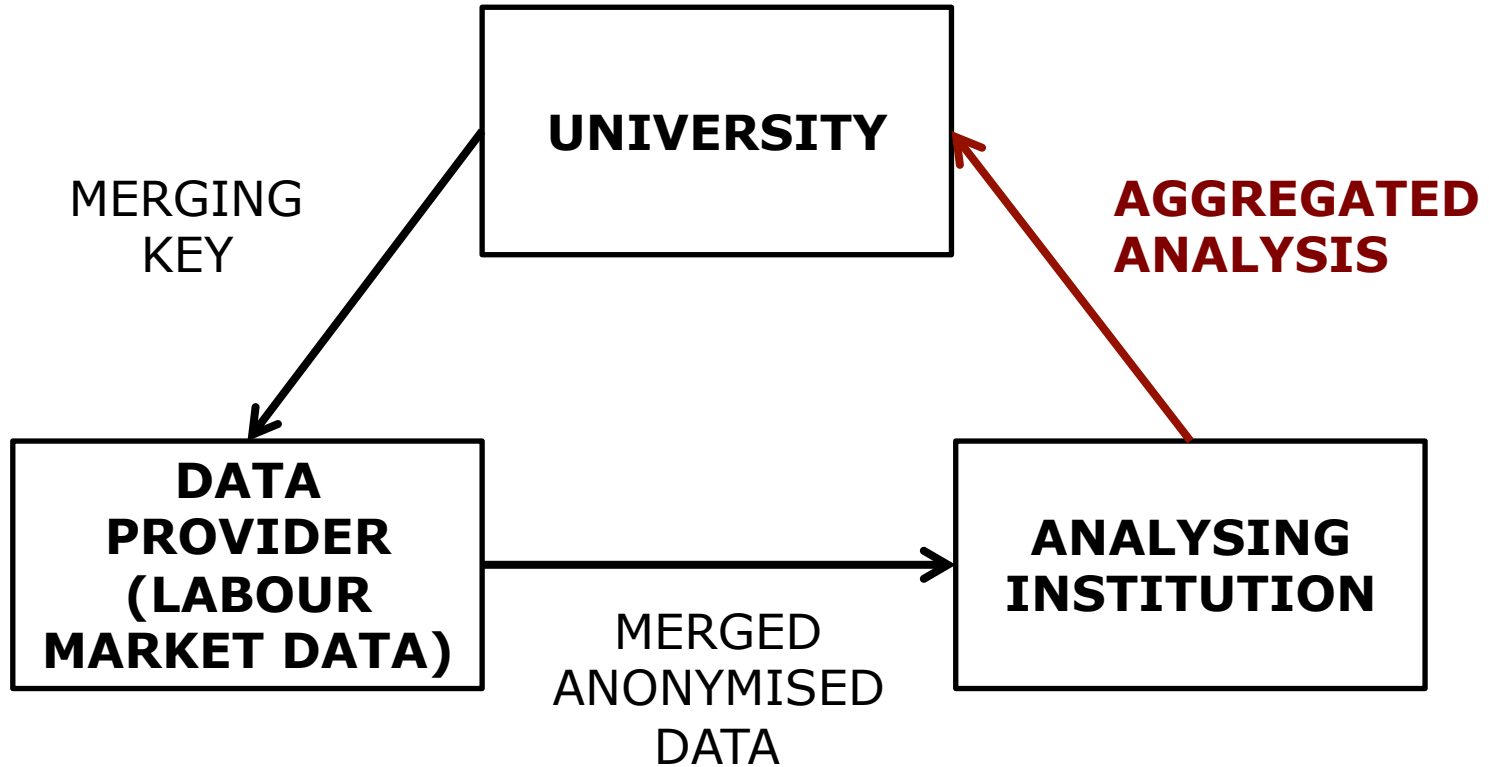
Gross Median Income

Income of psychology graduates (diploma) employed during the entire year



Economic sectors of psychology graduates	18 months after graduation	
	<i>N</i>	%
Other social work activities without accommodation n.e.c.	115	22%
Social work activities without accommodation for the elderly and disabled	65	12%
Other human health activities	48	9%
Tertiary education	38	7%
Hospital activities	30	6%
General public administration activities	22	4%
Child day-care activities	21	4%
Activities of other membership organisations n.e.c.	20	4%
Other residential care activities	16	3%
Business and other management consultancy activities	15	3%
Compulsory social security activities	13	2%
self-employed	9	2%
other	116	22%
total	528	100%

DATA MODEL



DATA USAGE

- Curricula development
- Strategic decisions by the University
- Evaluation of study programmes
- Information for career services units
- Information for high school graduates in regard to perspectives on the labour market

OUTLOOK

- New perspectives:
 - Labour market integration of drop-outs in comparison to graduates
 - Social dimension (e.g. non-traditional students)
- National project (12 partner universities) with the main goal to track graduates on the Austrian labour market
- Monitoring of students at the labour market (interaction between studies and employment)
- Challenge: Develop European/International graduate tracking in labour market



DISCUSSION IN GROUPS

- What is a graduate?
- Pros and cons of survey and tracking
- Institutional, national and European level
- Usage and usability of results
- EU General data protection regulation (GDPR)

CONTACT & FURTHER INFORMATION

Michael Hofer

michael.hofer@univie.ac.at

Lukas Mitterauer

lukas.mitterauer@univie.ac.at

Andreas Raggautz

andreas.raggautz@uni-graz.at

Marina Zeldovich

marina.zeldovich@uni-graz.at

Reports (in German):

<http://qs.univie.ac.at/en/analyses/graduate-tracking/>

https://static.uni-graz.at/fileadmin/portal/Intranet/Files/150909Bericht_Absomonitoring.pdf

For further questions, do not hesitate to contact us!