

2019 International Workshop on Comparative Survey Design and Implementation Program
Institute of Philosophy and Sociology, Polish Academy of Sciences
Warsaw, Poland. March 20, 2019

Constructing Occupational Careers using Panel Survey Data: Harmonization of Multiple Concurrent Jobs through Time

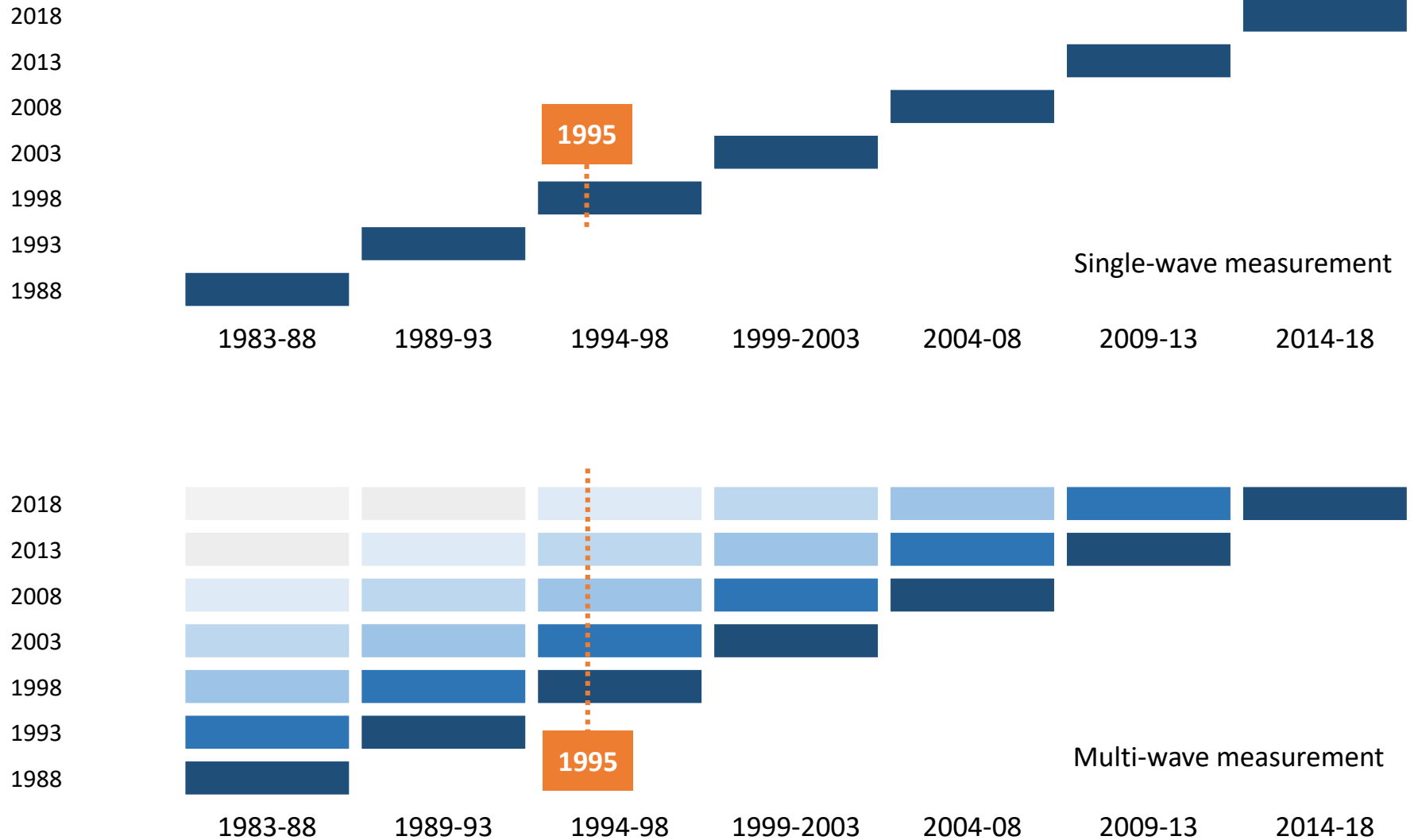
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Single-wave vs. multi-wave measurement in panel survey

Waves

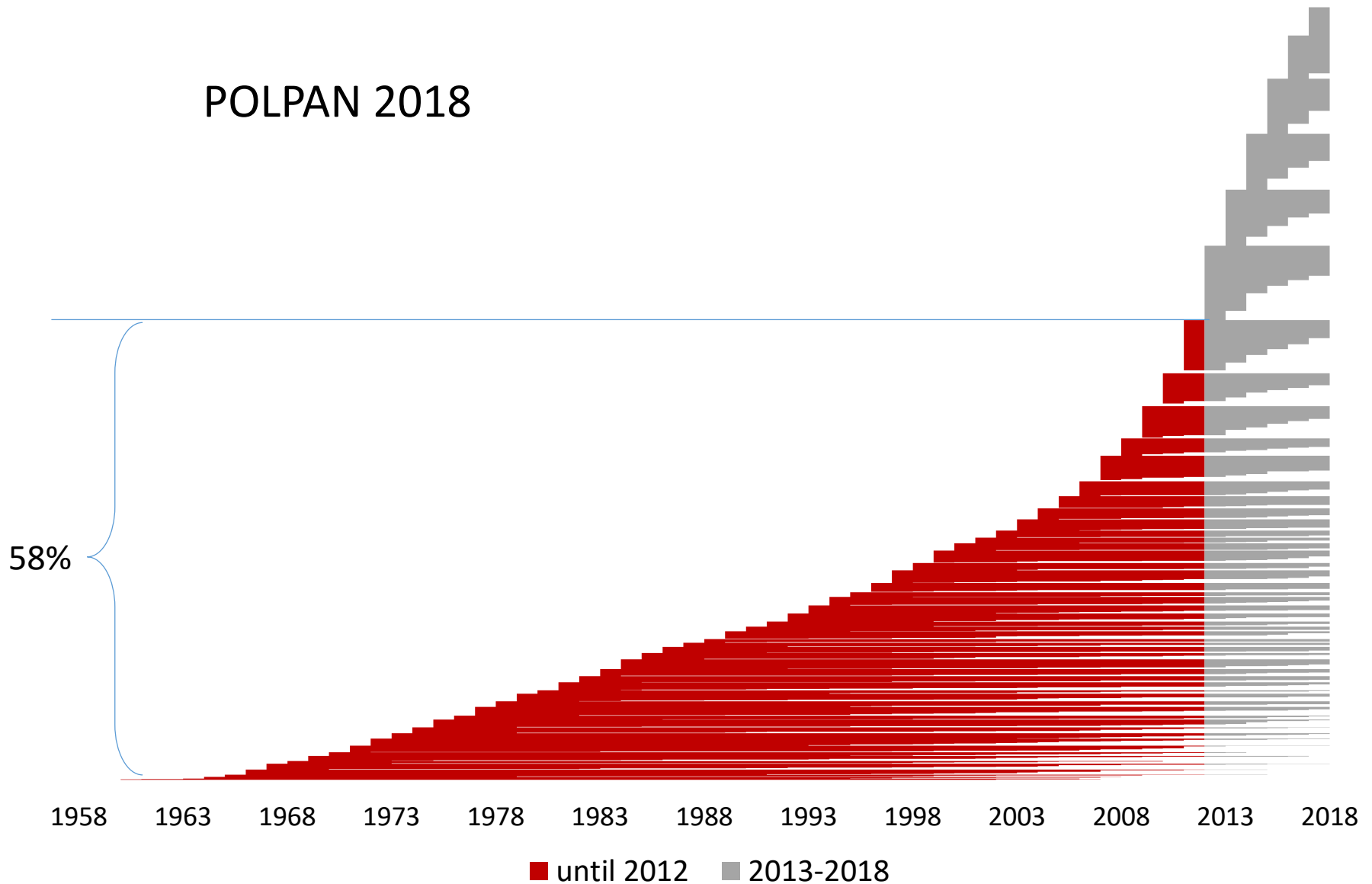


Questions

- What part of the occupation data goes beyond the previous visit of the interviewer?
- Do multi-wave and single-wave measurements provide the same picture of occupational trajectories?

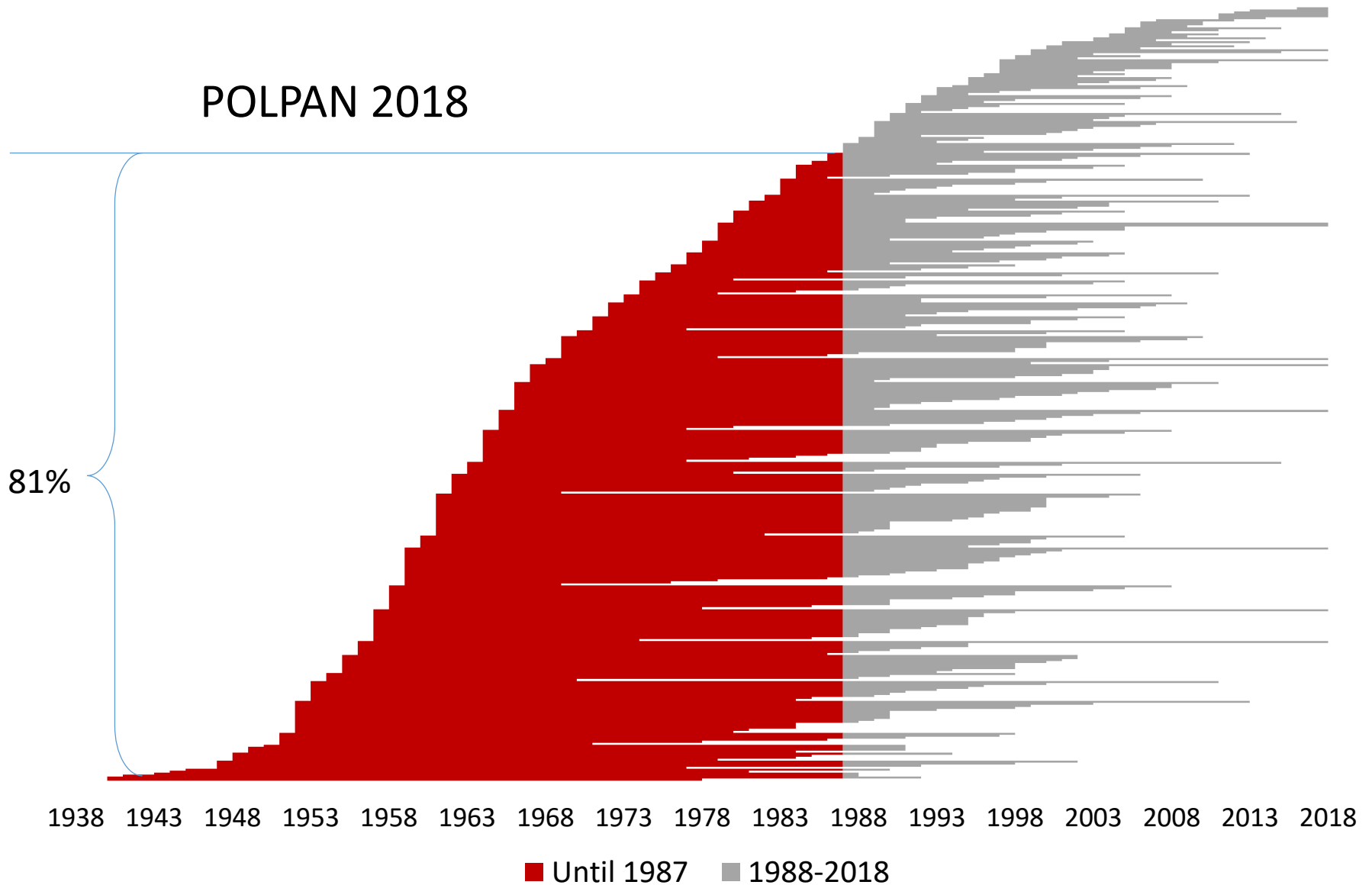
Aged 26-70: Asked about all jobs in 2013-2018 or about the last job (N = 2109)

POLPAN 2018

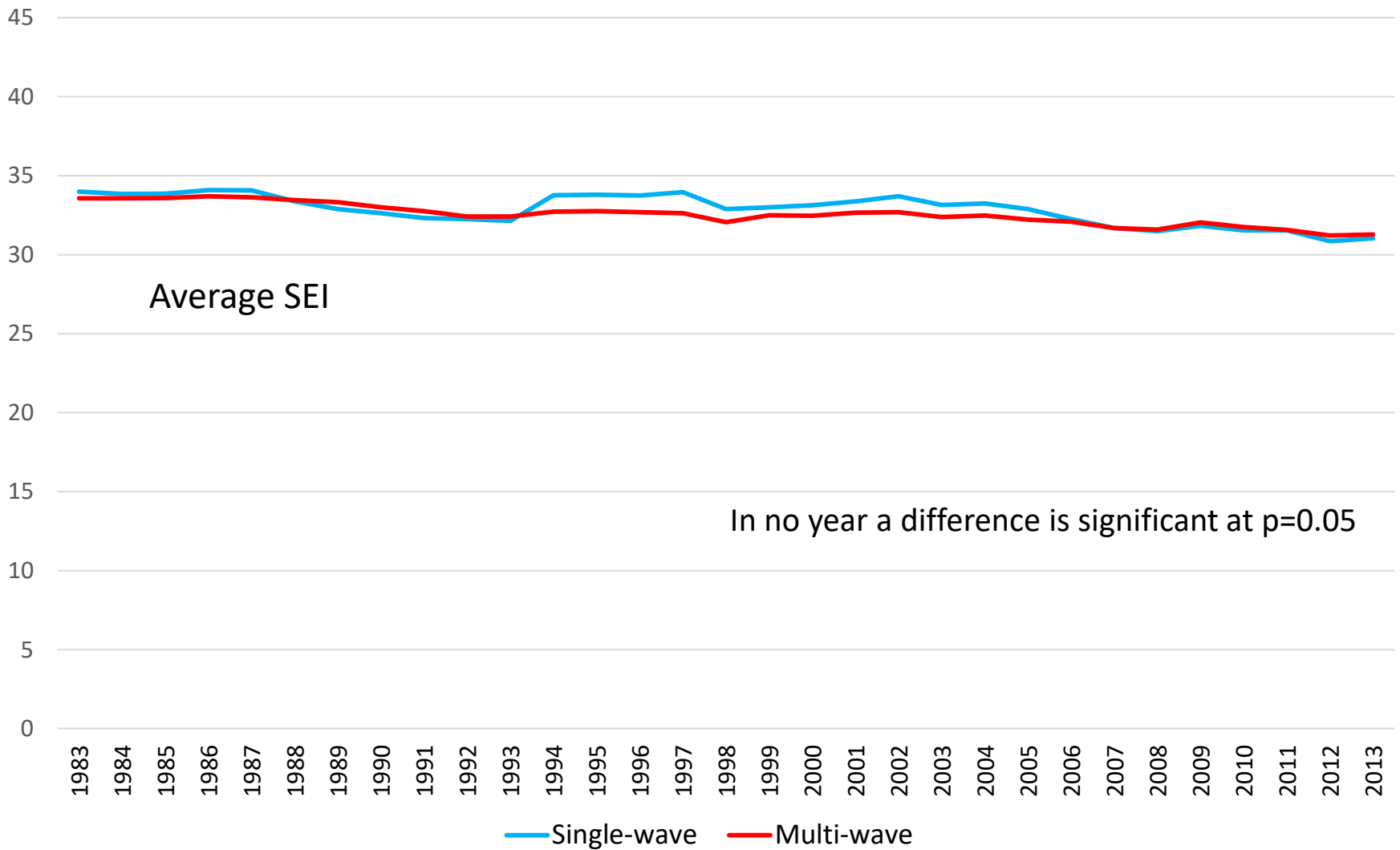


70+ respondents: Only asked about the last job in life (N = 388)

POLPAN 2018



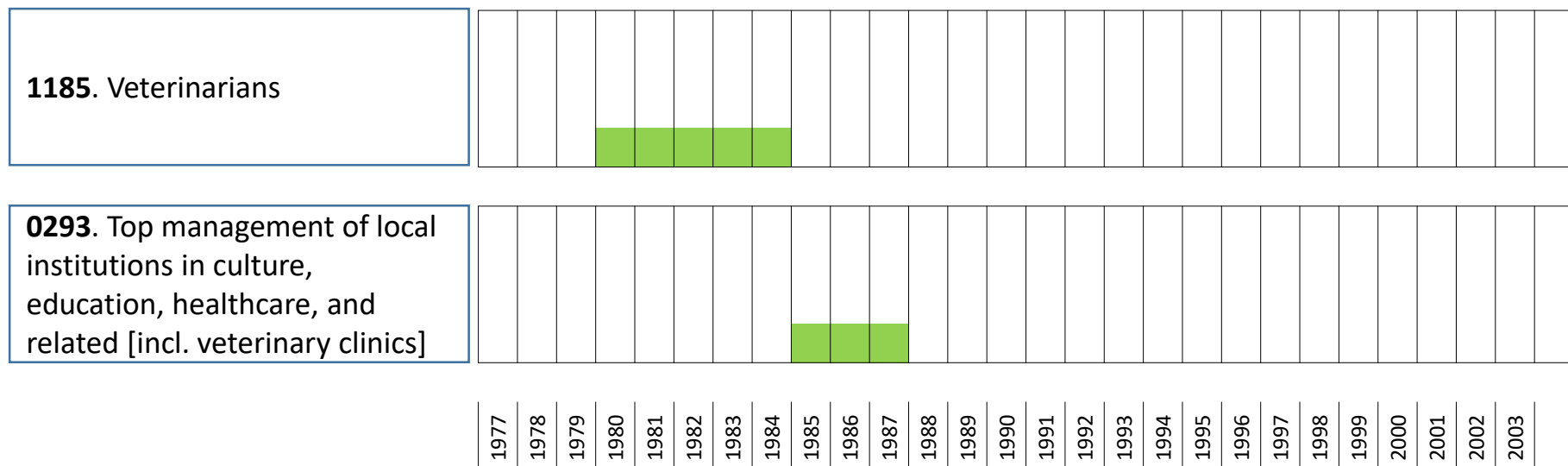
Single-wave vs. multi-wave: The overall results



CASE #1: Picture from 1st wave of POLPAN (1988)

Male, 1955

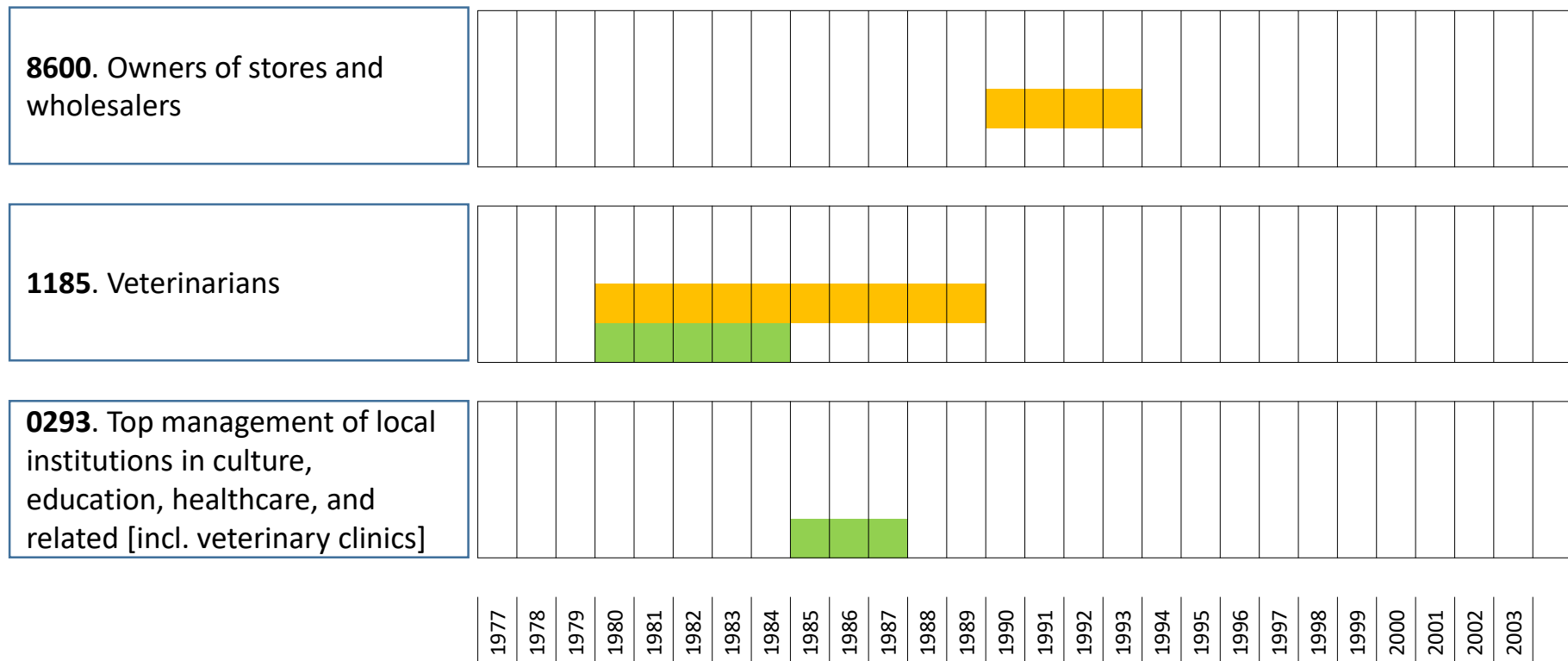
POLPAN 1988-2003 (4 waves)



After 2nd wave (1993)

Male, 1955

POLPAN 1988-2003 (4 waves)



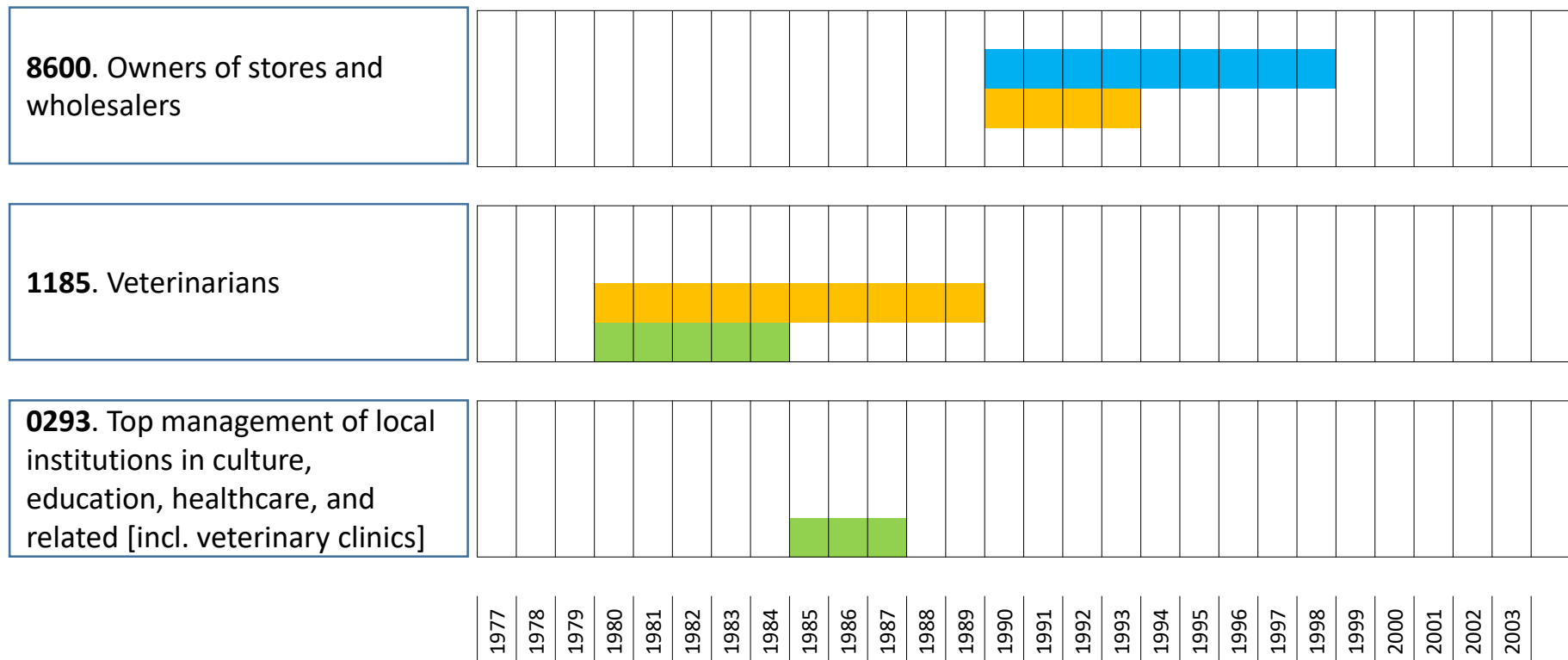
1988

1993

After 3rd wave (1998)

Male, 1955

POLPAN 1988-2003 (4 waves)



1988

1993

1998

After 4th wave (2003)

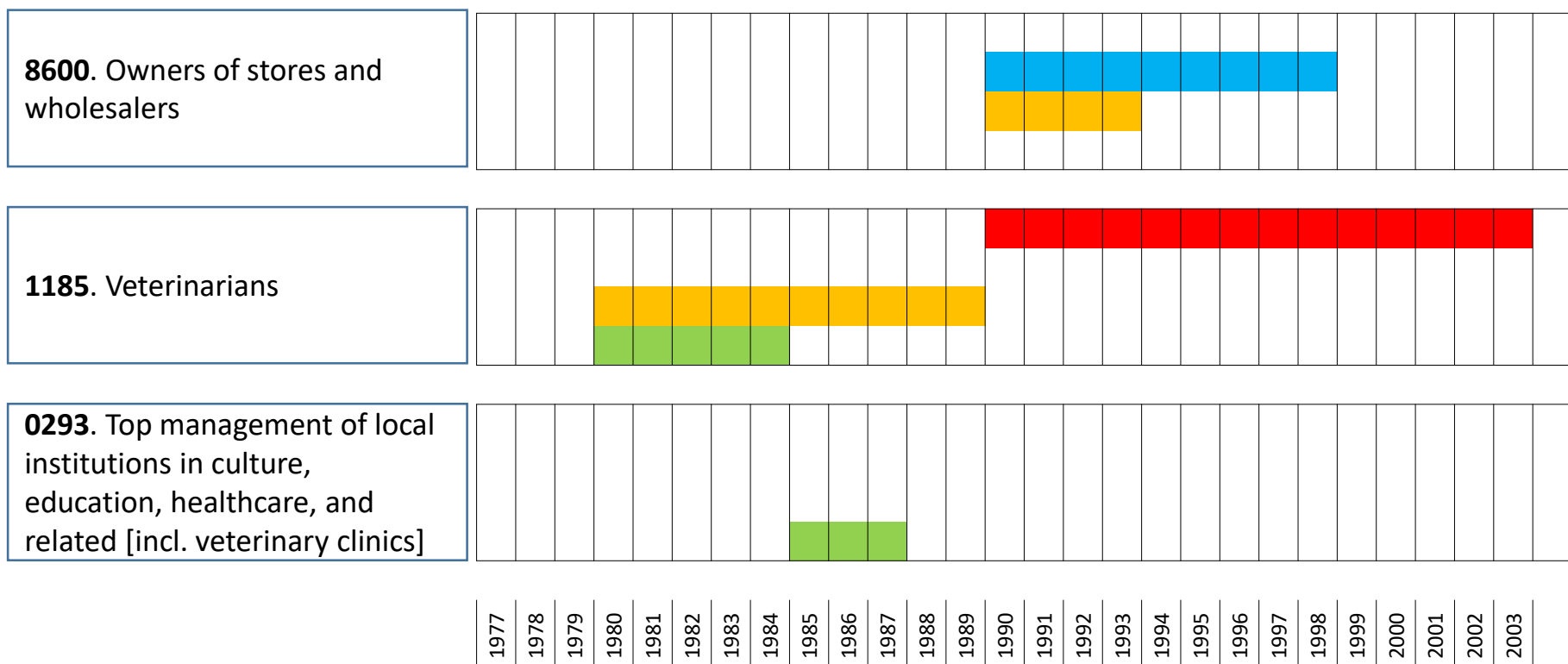
Male, 1955
POLPAN 1988-2003 (4 waves)

2003 verbatim answers:

occupation: a veterinarian

activities: treating animals

position: an outlet owner - warehouse with veterinary medicines



More than one occupation code allowed

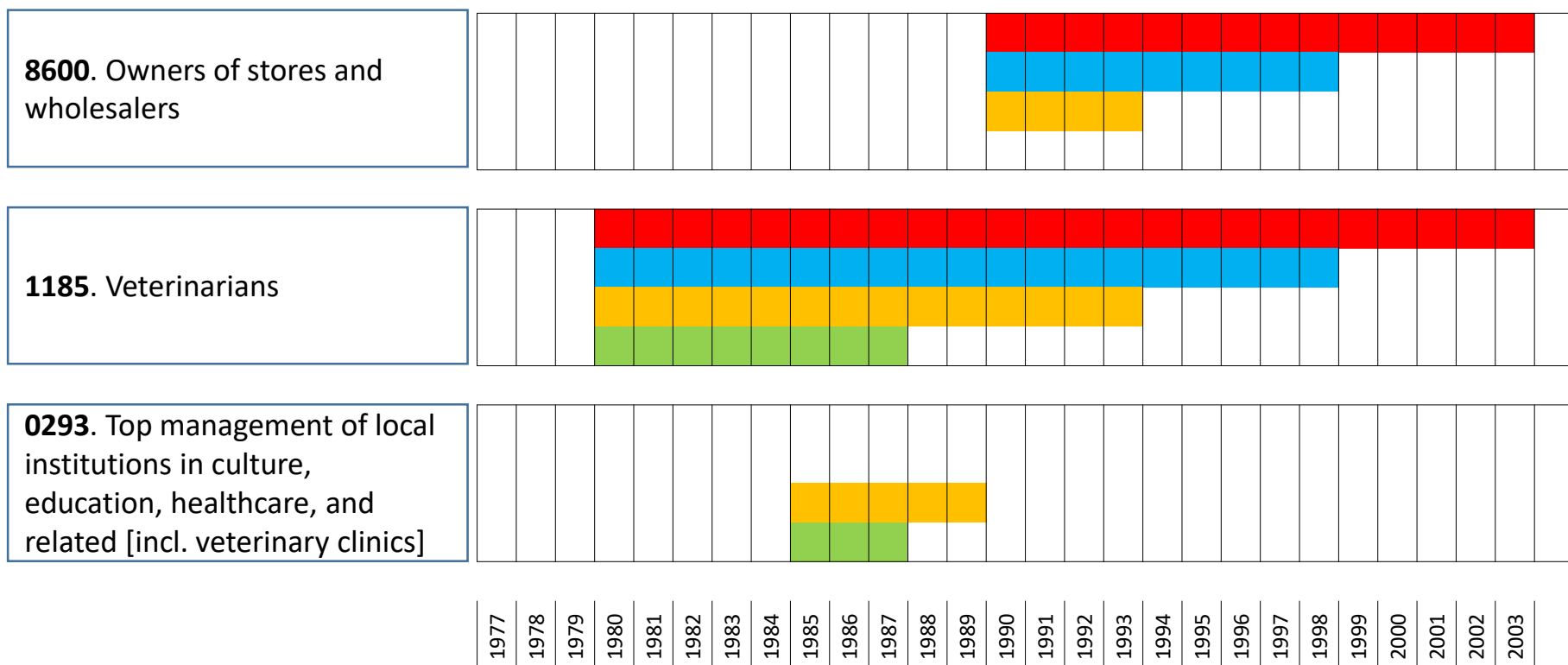
Male, 1955
POLPAN 1988-2003 (4 waves)

2003 verbatim answers:

occupation: a veterinarian

activities: treating animals

position: an outlet owner - warehouse with veterinary medicines



CASE #2: After 4 waves (2003)

Male, 1957

POLPAN 1988-2013 (6 waves)

“medical equipment specialist / independent specialist / repairs of medical equipment and apparatus”

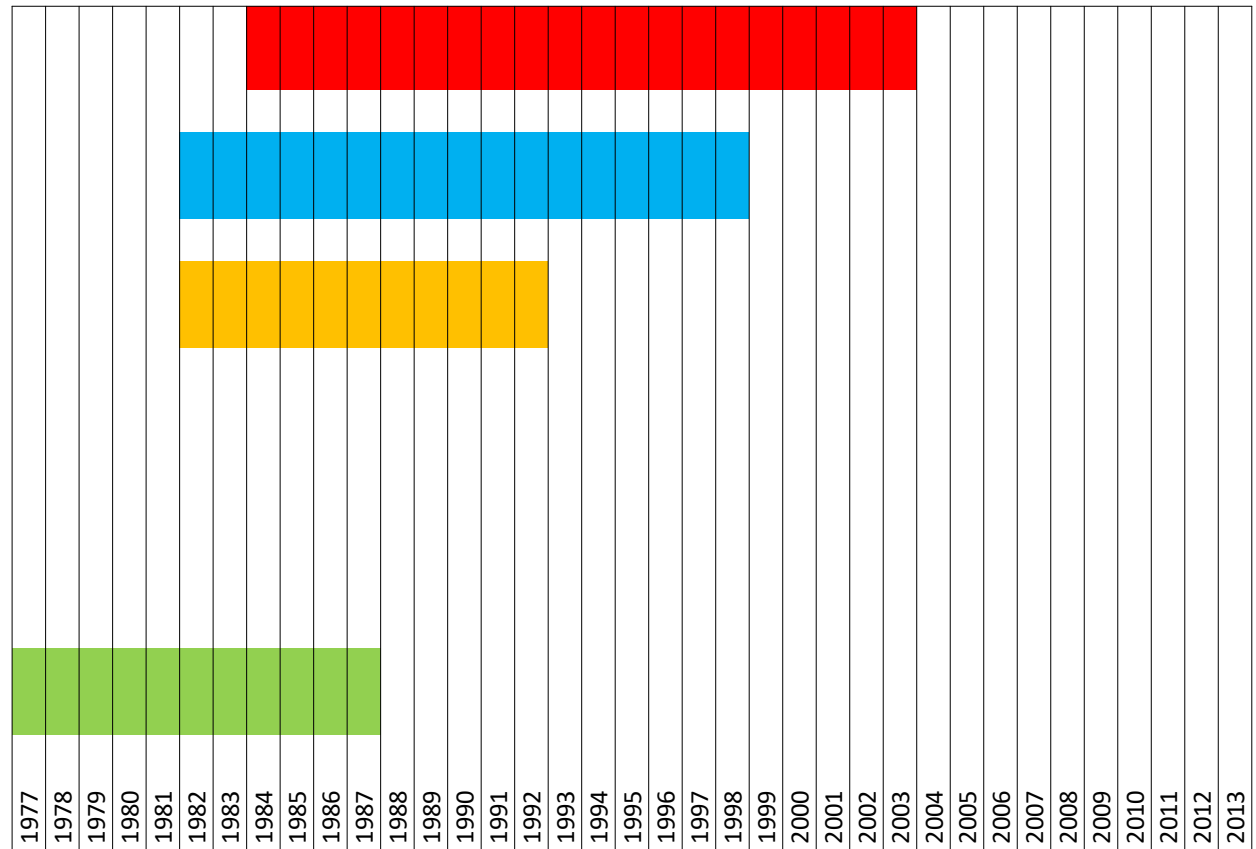
2003

1200. Engineers, chief specialists, production managers

2122. Mechanical technicians

2123. Electrical, electronics, and power industry technicians

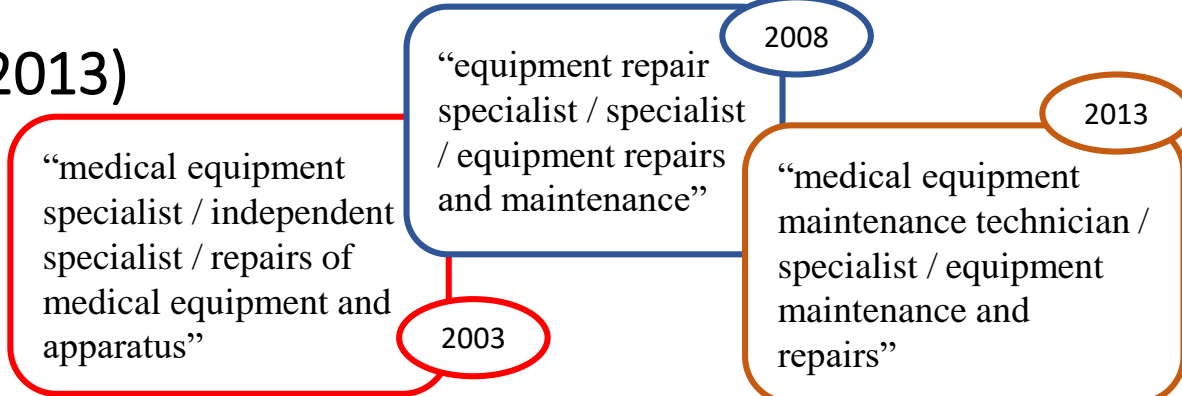
5222. Electricians, fitters of electric telecommunication equipment



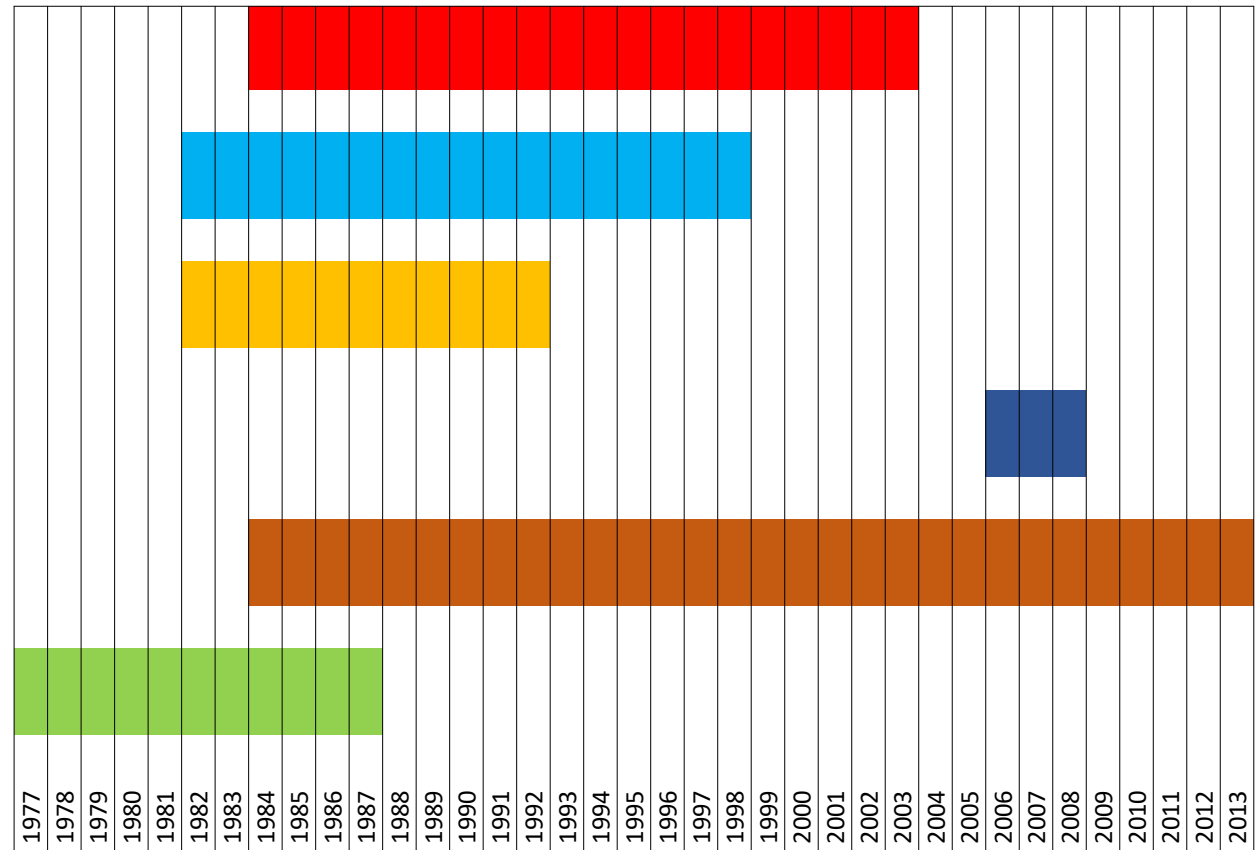
CASE #2: After 6 waves (2013)

Male, 1957

POLPAN 1988-2013 (6 waves)



- 1200.** Engineers, chief specialists, production managers
- 2122.** Mechanical technicians
- 2123.** Electrical, electronics, and power industry technicians
- 5244.** Mechanics and repairers of machines and devices
- 5243.** Precision equipment and instrument makers and repairers
- 5222.** Electricians, fitters of electric equipment



Results

In POLPAN (and probably in other panel surveys), many data on occupations are collected more than once

The choice between single and multi-wave data is likely to have no effect on overall results

However, at the individual level ...

... multi-wave data can significantly change the picture of occupational trajectories

Challenges

Single or multiple occupation coding

More advanced tools to process and harmonize multiple occupational codes

- fuzzy classifications seem promising

Updating data previously archived

Thank You

And special thanks to people from the Survey Research Department and members of the POLPAN Team at the Institute of Philosophy and Sociology of the Polish Academy of Sciences. Without their extraordinary effort, POLPAN 2018 data would not be available for this presentation. The last interviews were completed in December, just three months ago.