

# State-of-the-art of longitudinal travel surveys

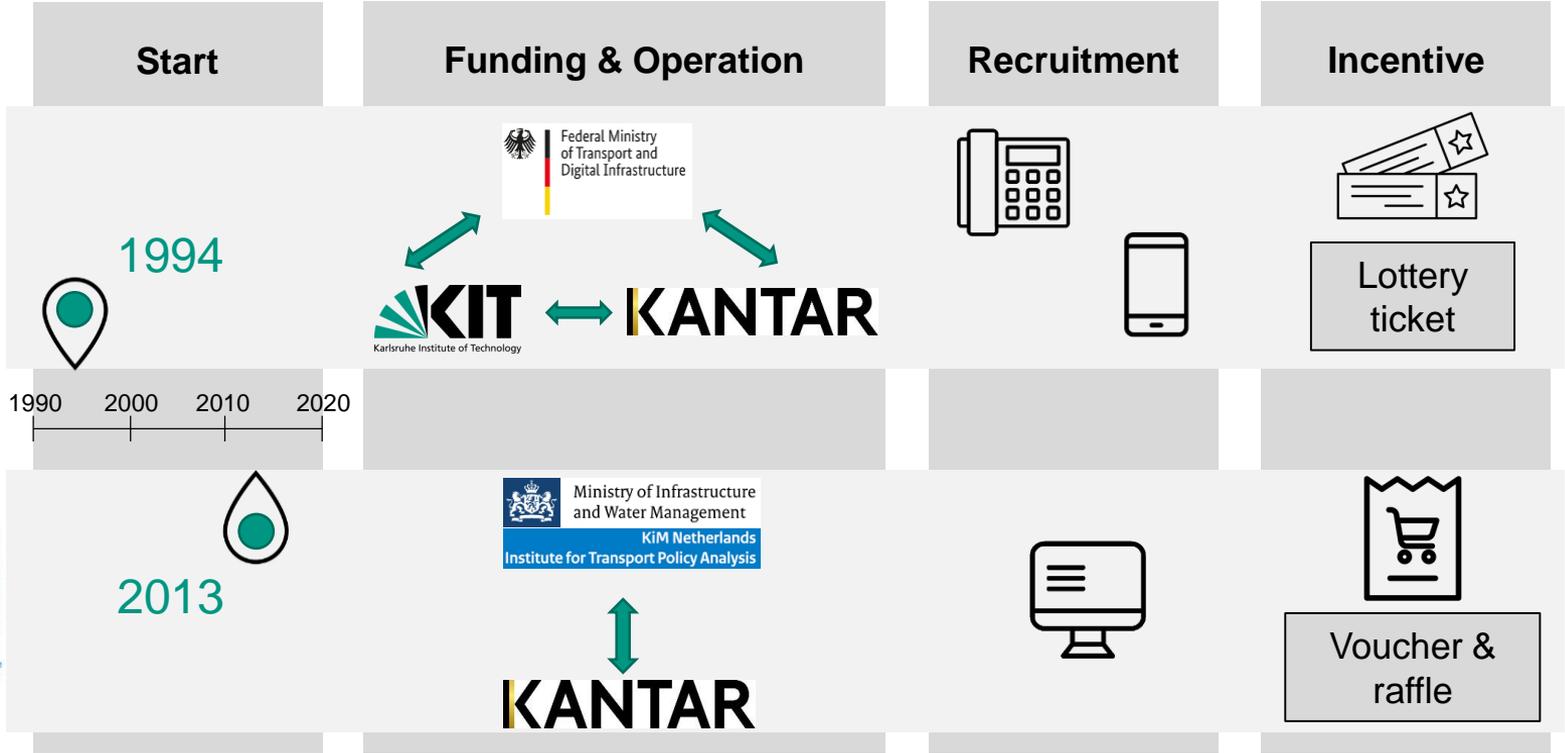
## A comparison of the MOP and MPN

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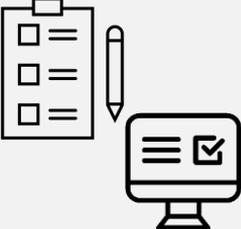
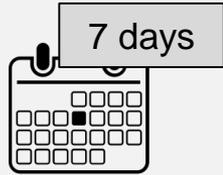
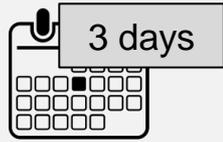
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# MPN and MOP – Similarities and differences



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	Participants	Duration of participation	Method	Reporting periode
 	 1.800  ± 3.000	 3 years Rotation		 7 days
	 2.500  ± 5.000	 no limit		 3 days

# Representativeness

## Household

- **Underrepresented in both panels**
  - Single-households
  - Households without cars

## Person

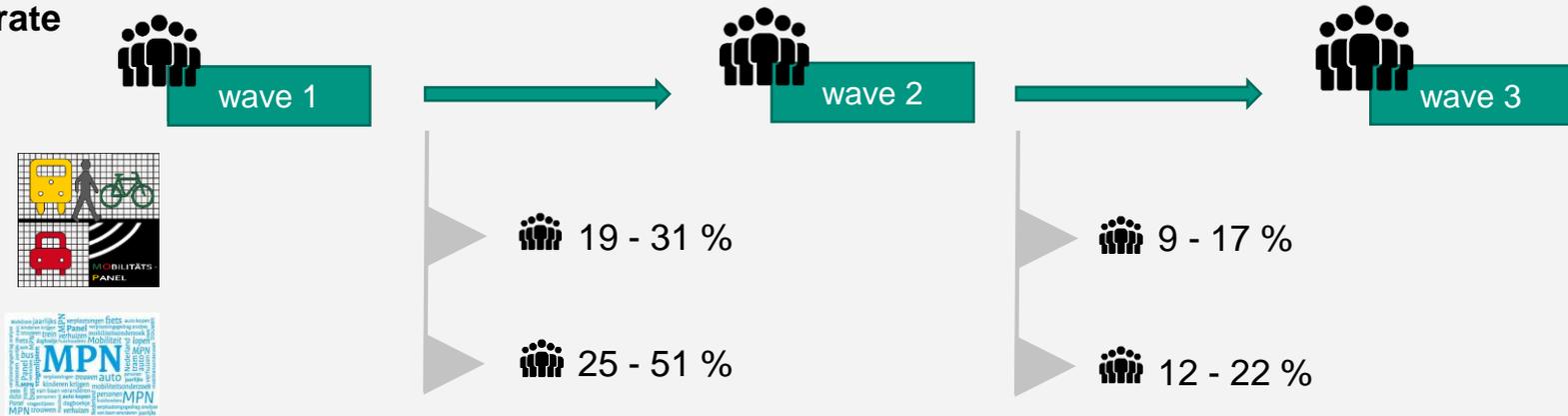
- **Underrepresented in both panels**
  - People younger than 25
  - Low educated people
  - Immigrants

- Having a rotation scheme does not influence representativeness.
- As long as all groups of interest are included in the sample, the problem of not having a fully representative sample is limited.
  - Weighting

# (Non-random) Attrition

- Participants who are expected to report no longer report (unplanned exit) → Attrition between waves
- Influenced by several factors:
  - Survey design
  - Sampling frame
  - Level of motivation

## Dropout rate

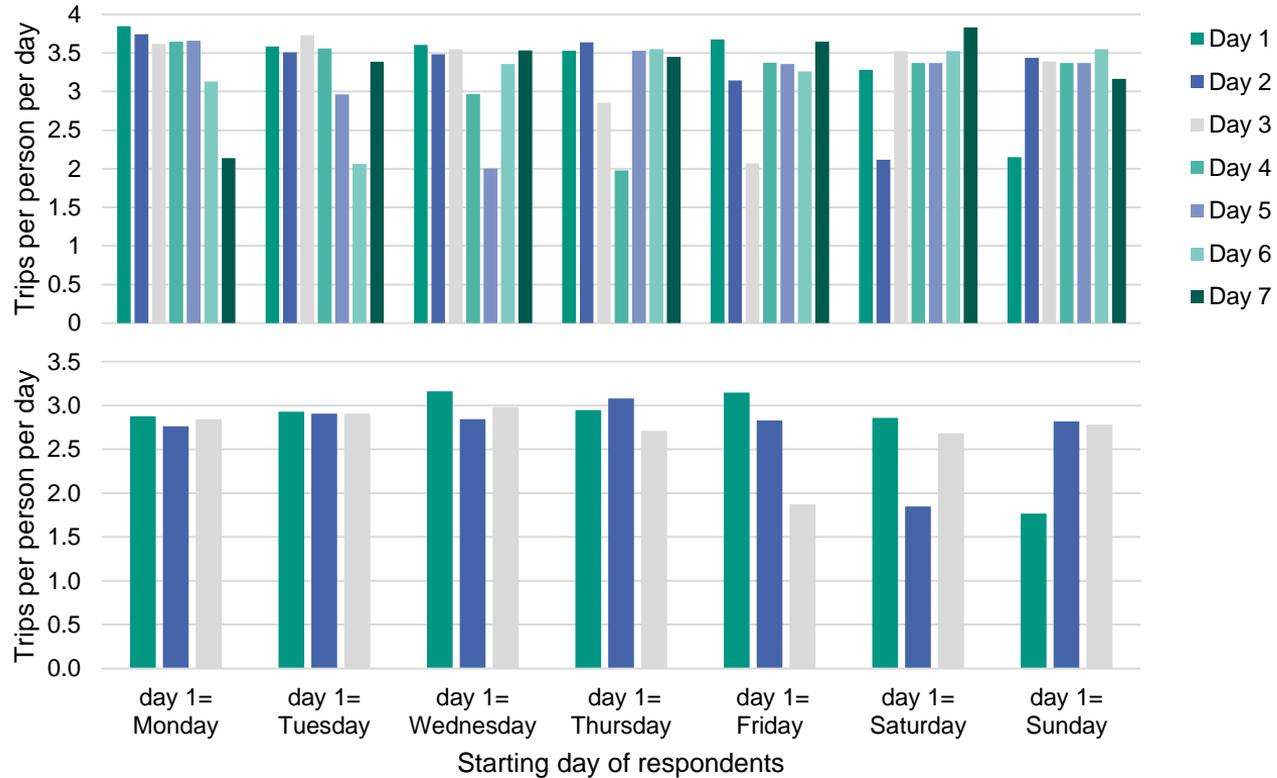


# (Non-random) Attrition



Category [%]	Sample comp. 2017	Dropout- share (2017/2018)	Sample comp. 2017	Dropout- share (2017/2018)
<b>Gender</b>				
Male	45.1	45	50.5	51.7
Female	54.9	55	49.5	48.4
<b>Age [years]</b>				
< 24	13.2	16.5	10.7	13.4
25 - 34	16.8	19.4	7.1	8.3
35 - 44	16.5	18	10.9	13.2
45 - 54	15.2	12.9	18.2	18.2
55 - 64	17.2	12.4	25.6	20.9
> 65	21.1	20.8	27.5	26.1
<b>Work status</b>				
Employed	51	52.2	53.8	54.2
Housework, voluntary work or unkown	10	9.1	3.2	3
Student	11	12.9	10.3	12.9
Unemployed/ disabled	8.5	7.4	2.6	3.2
Retired	19.4	18.4	29.7	26.3
Unknown			0.4	0.5
<b>Level of education</b>				
Low	31.7	35.4	23.5	26.2
Medium	36.1	34.8	30.1	29.2
High	32.2	29.8	46.4	44.6

# Diary fatigue



# Conclusion

## Concept

- Differences in operation, design, methods, etc.

## Representativeness

- Underrepresentation of similar groups

## Attrition

- Dropout rate: higher for the MPN
- Dropout share: Young & low educated drop out at a higher rate

## Diary fatigue

- Not a big problem
- Small decline but not statistically significant

Measurement and  
understanding of intra-  
individual travel behaviour



# Questions / Discussion

Thank you for your attention!



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