EXPERTS’ OPINIONS CONCERNING THE MINIMUM CONTENT OF A NATIONAL HOUSEHOLD TRAVEL SURVEY

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INTRODUCTION

- Context: SHANTI:
  - Improving comparability NHTS
  - Harmonizing national travel surveys across Europe
- NCHRP Report 571
- Limited amount of guidelines on which questions should be asked

Mini Travel Survey Questionnaire (MTSQ) (Survey in Essentialness of NHTS questions)

MTSQ SURVEY

Four parts:
- Expert’s profile
- Essentialness/HH-related questions
- Essentialness person-related questions
- Essentialness trip/journey-related questions

81 expert opinions

Essential:
- It should be part of every national travel survey no matter what
- Recommended: the item is recommended for methodological/analytical issues (e.g. weighting)
- Secondary: not essential and (not absolutely) required for methodological/analytical issues

METHODOLOGY

Prioritization weights
- Influence of experts’ profiles
- Poisson regression
- Fisher’s exact test

RESULTS (ESSENTIAL)

Block Question | World | Europe | N-America
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1.11 Acceptability of birth of the HH members | 471.89 | 471.42 | 468.20
1.12 Number of persons with the HH | 465.07 | 462.50 | 472.70
1.13 Gender of the HH | 419.15 | 437.41 | 422.72
1.14 Occupation (primary activity) of the HH members | 448.15 | 456.34 | 422.72
1.15 Net household income (measured in categories) | 393.26 | 384.24 | 453.08
1.16 Work regime (full-time, part-time, self-employment) of the HH members | 359.26 | 330.36 | 427.26
1.17 Number of cars with the HH | 456.79 | 442.89 | 468.35

Block Question | World | Europe | N-America
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2.13 Age of partner of birth | 416.33 | 420.36 | 426.97
2.14 Driving license for private vehicles (Y/N) | 445.08 | 451.17 | 426.97
2.15 Possession of a P & T card (season ticket/transport pass) | 439.17 | 450.95 | 385.45
2.16 Route for the travel plan: geographical/infomational | 435.84 | 410.07 | 424.73

Block Question | World | Europe | N-America
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3.11 Departure point of the trip | 464.03 | 464.41 | 436.04
3.12 Destination point of the trip | 476.29 | 464.51 | 500.00
3.13 Mode of transport (private vs public transport) | 437.47 | 417.15 | 448.26
3.14 Departure time of the trip | 448.26 | 462.00 | 100.00
3.15 Arrival time of the trip | 438.10 | 432.06 | 349.96
3.16 Trip purposes (utility, e.g. list of 434.07 442.85 442.00
3.17 For each stage within the trip: transport mode | 386.19 | 387.04 | 448.40

RESULTS (EUR-US)

CONCLUSIONS

The most essential 'global' questions identified and ranked:
- Ranking: guidelines for countries without NHTS
- Large differences between USA and EU
- Identification of factors influencing essentialness
- Indication that SHANTI recommendations and findings are representative for all experts

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