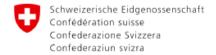
Long term fuel price elasticity: Effects on mobility tool ownership and residential location choice

A Erath und KW Axhausen

IVT ETH Zürich

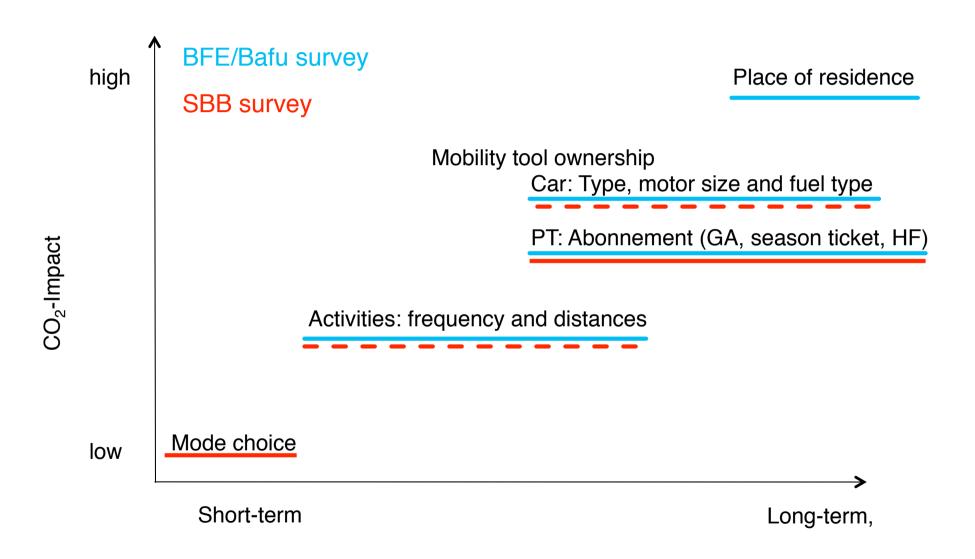
Juni 2010



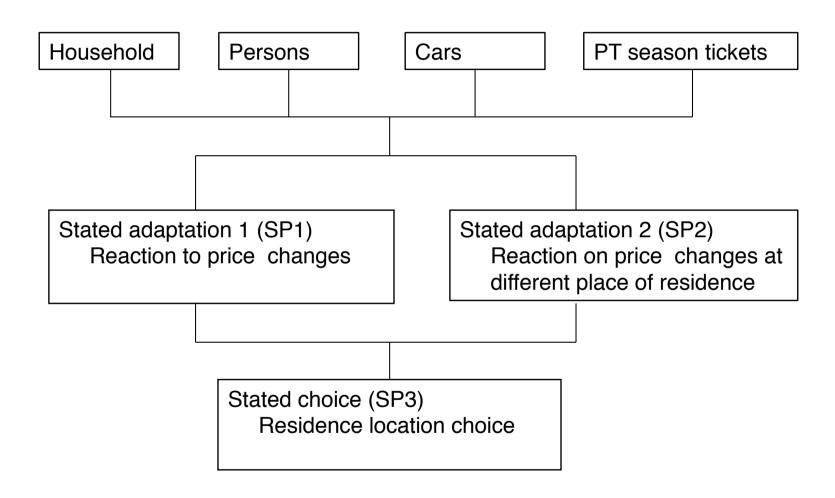




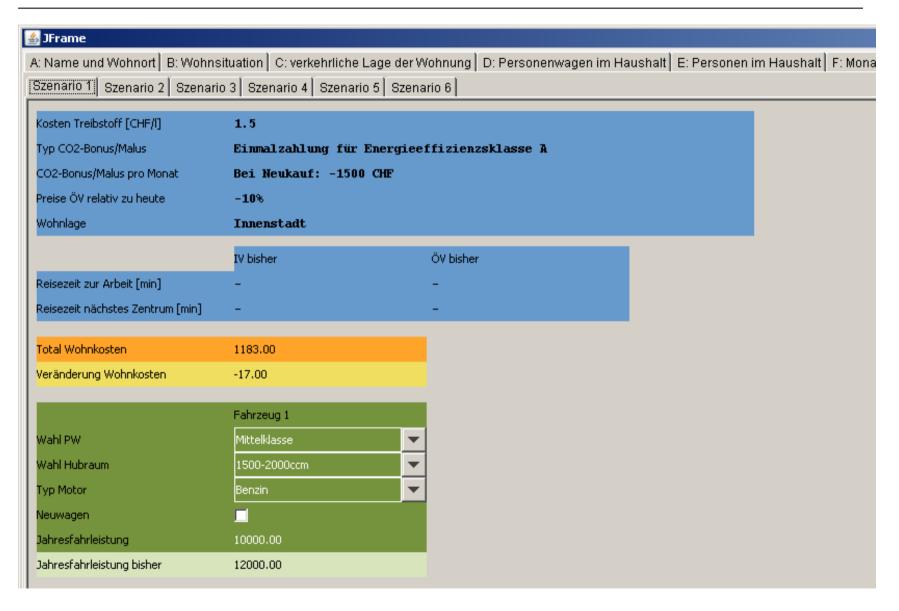
Possible reactions to higher fuel prices



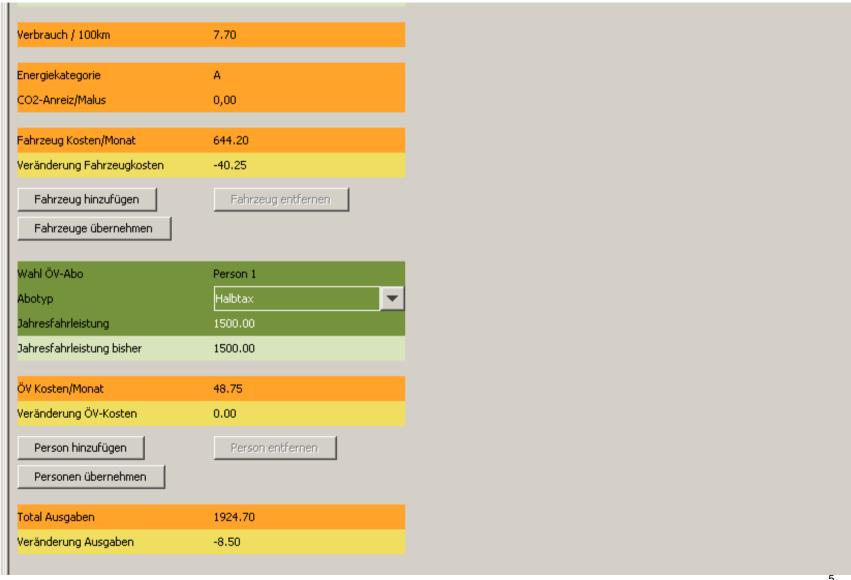
Survey: Overview



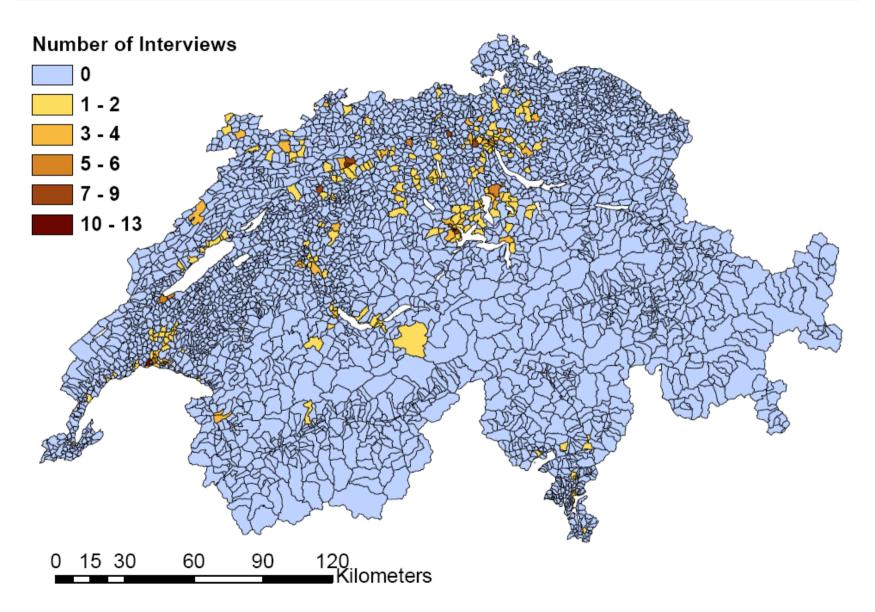
Survey: First stated adaption experiment (SP1)



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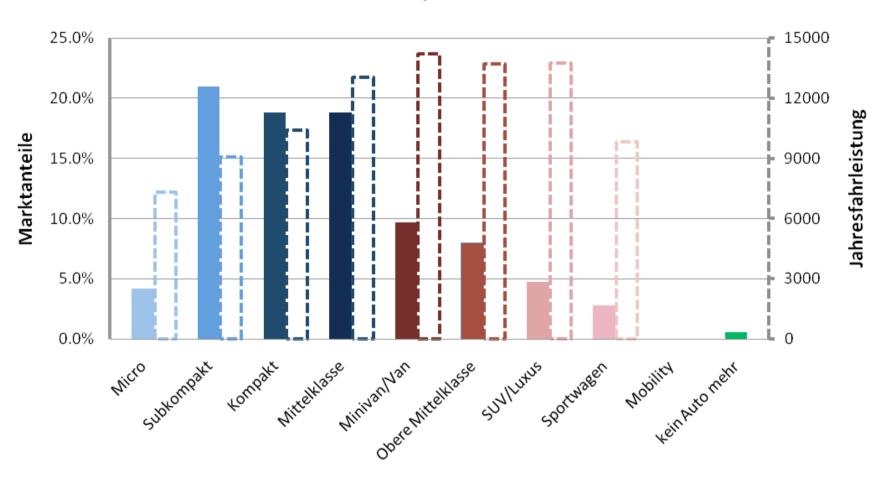


Survey: 400 respondents with 25 sFr incentive

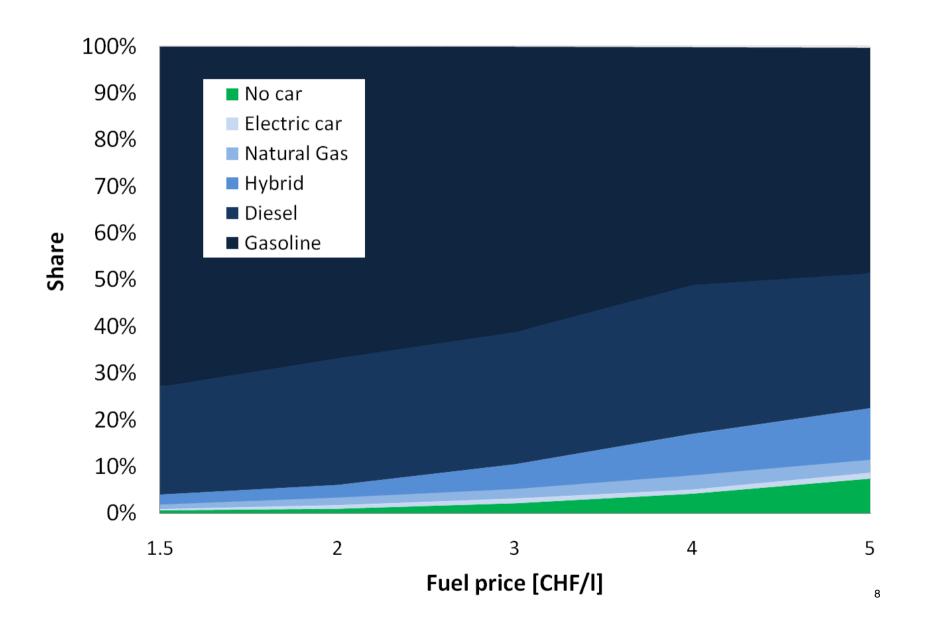


SP1: Descriptive Analysis I

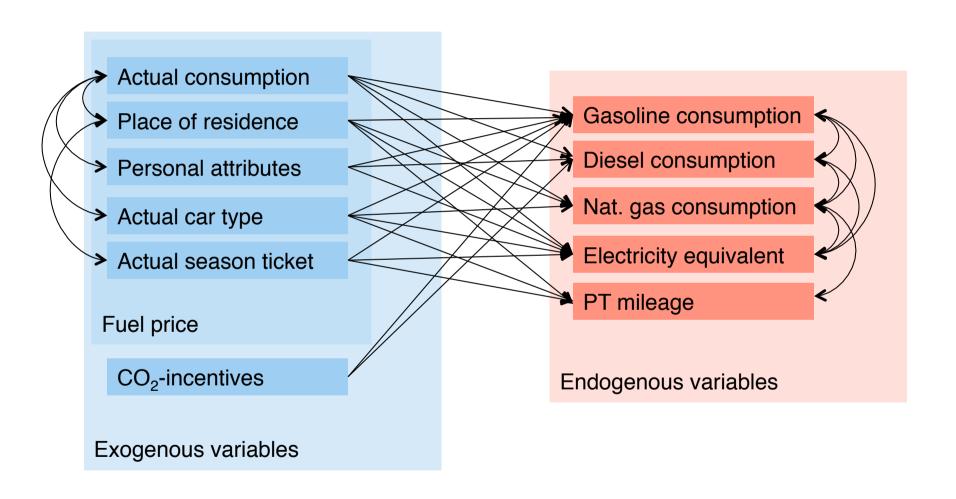




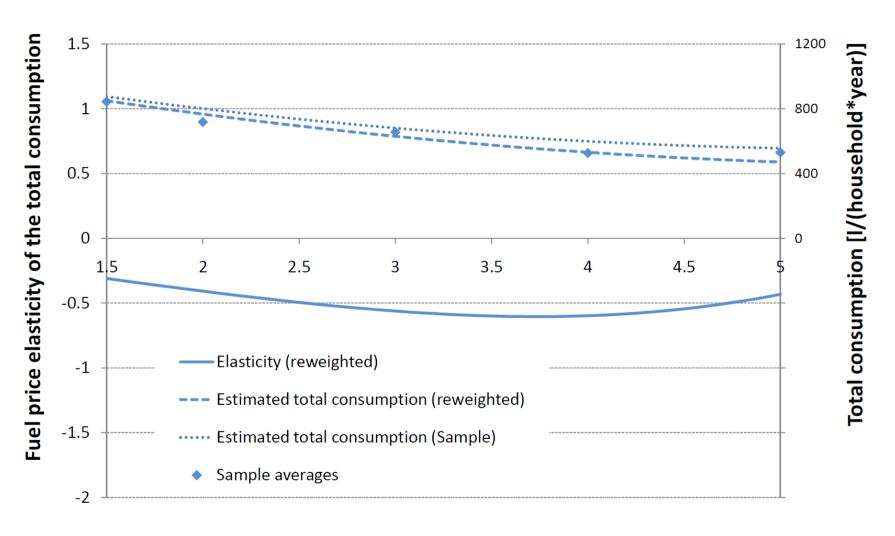
SP1: Descriptive Analysis II



SP1: Structural equation model

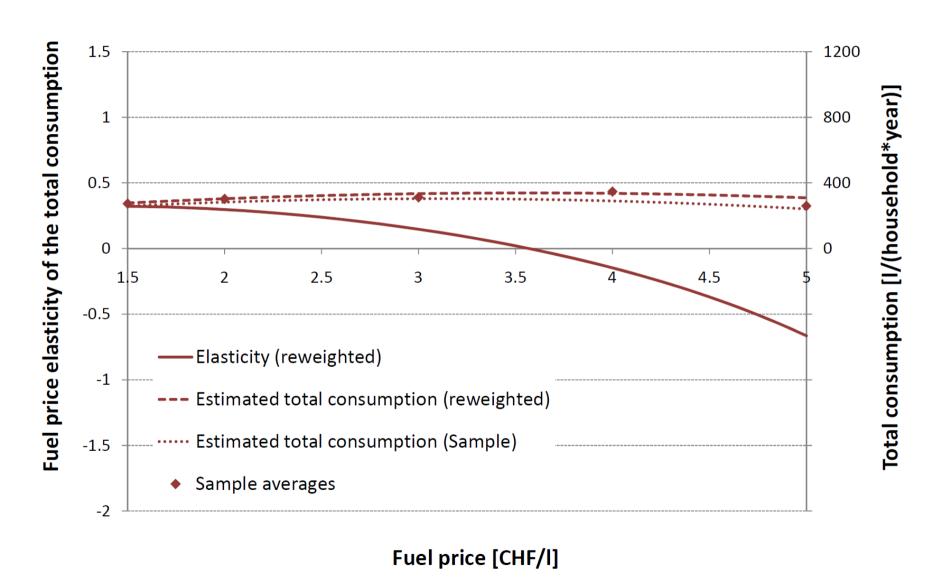


SP1: Gasoline consumption and elasticity

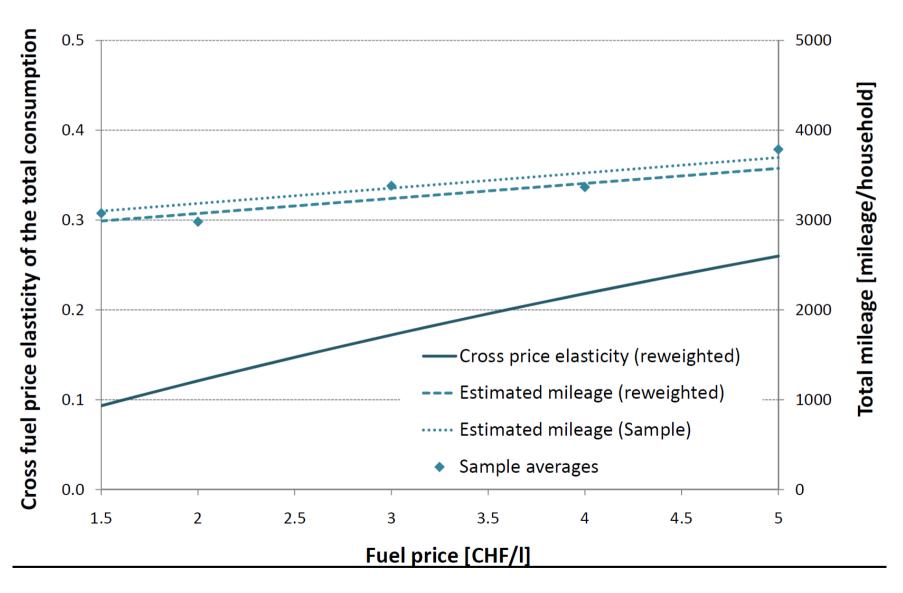


Fuel price [CHF/I]

SP1: Diesel consumption and elasticity



SP1: Public transport usage and cross price elasticity



Future challenges

- Modelling the choice of type * energy intensity * VKM
- Modelling transport and usage as part of an overall dynamic model of consumption, investment and savings
- Understanding the on-going self-selection processes