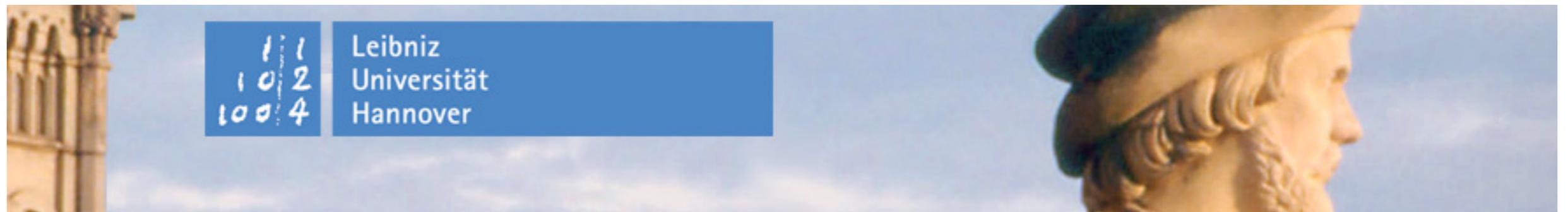


The Theory of Uncertainty Reduction Revisited: Does Parenthood Provide Certainty?

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Motivation

- Theory of Values of Children
 - ▶ Fertility is motivated by instrumental and immanent values
 - ▶ Criticism: child-related values are defined in an ad hoc manner
 - ▶ Suggestion: Human behavior is motivated by a small number of general values
 - Children as social production functions for material well-being and social approval
 - Children as a mean to reduce uncertainty in life
- Reception of the theory of uncertainty reduction in research on fertility
 - ▶ Alternative to neoclassical household economics
 - ▶ Mix of empirical support and rejection
 - ▶ Core arguments were never empirically tested
 - Perception of children as a source of uncertainty reduction
 - Expected reduction of uncertainty due to children motivates fertility

Reduction of Uncertainty

- Rational actors avoid uncertain situations
 - ▶ Uncertainty: no probabilities of desired or undesired consequences of different courses of action are known => no decision possible
 - ▶ Risk: probabilities are known => insurance possible
- Strategies under uncertainty
 - ▶ Collection of additional information
 - ▶ “Do nothing“
 - ▶ Decision for a goal with long-term commitments
 - Long-term commitments are at least partly known
 - No further decisions about what to do in general are needed
 - Only decisions on commitment-related activities have to be made

Reduction of Uncertainty by Children

- Three strategies of long-term uncertainty reduction:
 - ▶ Successful occupational career
 - ▶ Stable marriage
 - ▶ Children
- Children have the most binding consequences
- Individuals become motivated to have children, if alternative strategies of uncertainty reduction are blocked or are not promising
- Marriage
 - ▶ Prospect of marriage or a stable marriage increase certainty and reduce fertility
 - ▶ Counter-arguments:
 - Stable marriages support marriage-specific investments
 - Norms of marital fertility
 - ▶ Mixed empirical support
 - ▶ Support from African-Americans

Reduction of Uncertainty by Children

- Occupational career
 - ▶ Favorable occupational prospects increase certainty and reduce fertility
 - ▶ Counter-argument:
 - Income hypothesis
 - ▶ Mixed empirical support
 - ▶ Empirical support by unemployed women in Europe

Reduction of Uncertainty by Children

- Shortcomings

- ▶ Criticism primarily under a perspective of costs
- ▶ Uncertainty is measured via proxy variables
 - Proxies for uncertainty: heterogeneity of marriage partners, risk of divorce, low educational qualifications, unemployment
 - Uncertainty is assumed, if people miss marital or occupational standards
 - No unambiguous empirical tests possible. For example: Female unemployment supports motherhood
 - ★ Confirmation of uncertainty reduction theory
 - ★ Confirmation of substitution hypothesis (low opportunity costs)
- ▶ Uncertainty as a subjective perception/evaluation of situations is not considered
 - Subjective perceptions to what extent an occupational situation or marriage is uncertain
 - Subjective perceptions to what extent a first or another child would increase or decrease uncertainty in life

Research Questions

- Influences on the perception that children reduce uncertainty in life
 - ▶ Number of children (transition to parenthood)
 - ▶ Age (biographical uncertainty)
 - ▶ Gender (societally accepted role model)
 - ▶ Partnership status (degrees of institutionalization)
 - ▶ Partnership quality (indicator for partnership certainty)
 - ▶ Occupational situation (proxies for occupational certainty)
 - ▶ Occupational certainty

Data and Variables

- Data

- ▶ Generations and Gender Survey of the Czech Republic (2005)
- ▶ Face-to-face interviews of 10,006 individuals
- ▶ 2,433 female respondents aged 18 to 45
- ▶ 2,813 male respondents aged 18 to 50

- Dependent variable

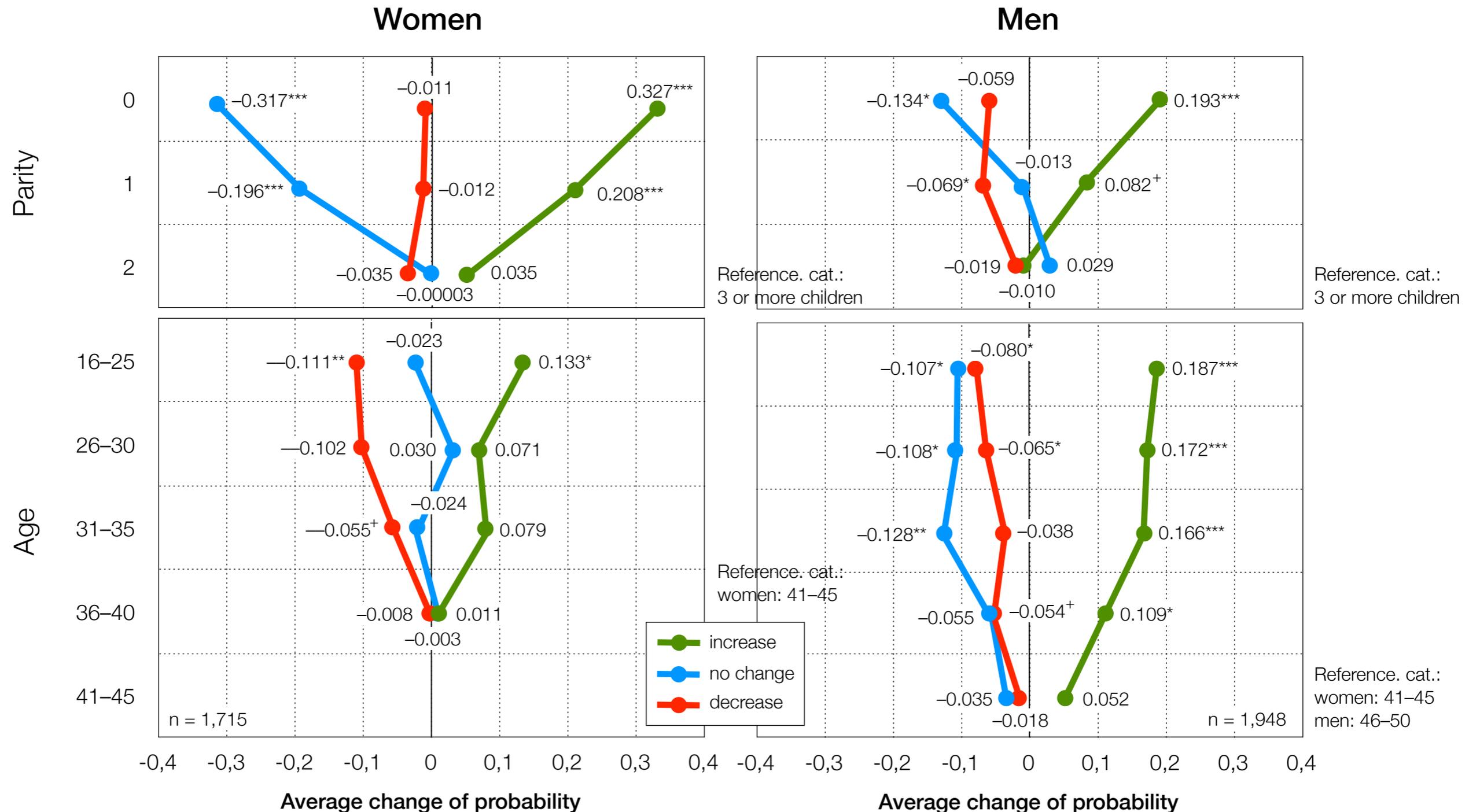
- ▶ Attitudes on having a first or another child
 - “If you were to have a/another child during the next three years, would it be better or worse for ... certainty in your life?”
 - Answer categories: “much better”, “better”, “neither better nor worse”, “worse”, “much worse”
- ▶ Categories used in the analyses:
 - increase of certainty, no change, decrease of certainty (multinomial logit)
 - increase of certainty vs. no change or decrease of certainty (binary logit)

Data and Variables

- Independent variables
 - ▶ Parity, age, gender
 - ▶ Marital status
 - ▶ Partnership quality
 - Frequency of disagreements
 - Satisfaction with the partnership
 - Considered to break up the partnership
 - ▶ Occupational situation
 - Educational degree
 - Employment situation
 - ▶ Occupational certainty
 - Kind of work contract
 - Satisfaction with job security
 - Control about work situation within the next three years

Change of Certainty Due to a Child

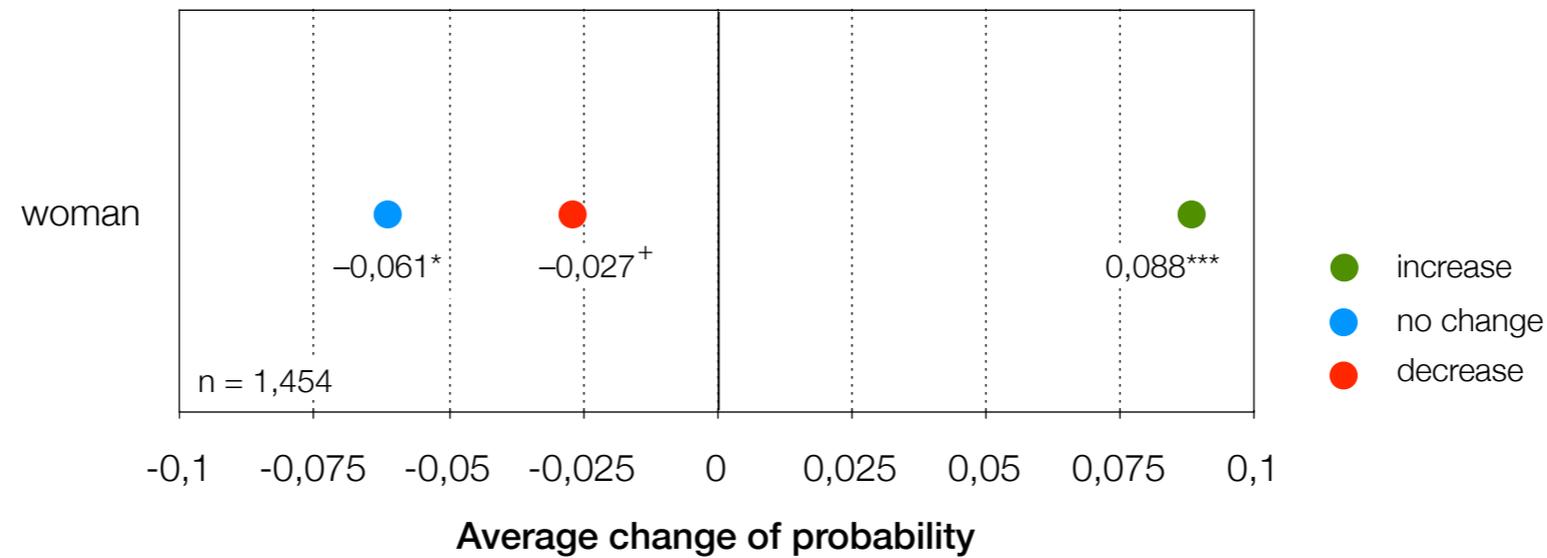
Effects of Parity and Age Separated by Gender (multinomial logit)



Control variables: marital status, employment situation, level of education.
 Levels of significance: ⁺ ≤ 0.1, * ≤ 0.05, ** ≤ 0.01, *** ≤ 0.001.

Change of Certainty Due to a First Child

Effect of Gender (multinomial logit, childless respondents, aged 18 – 35)



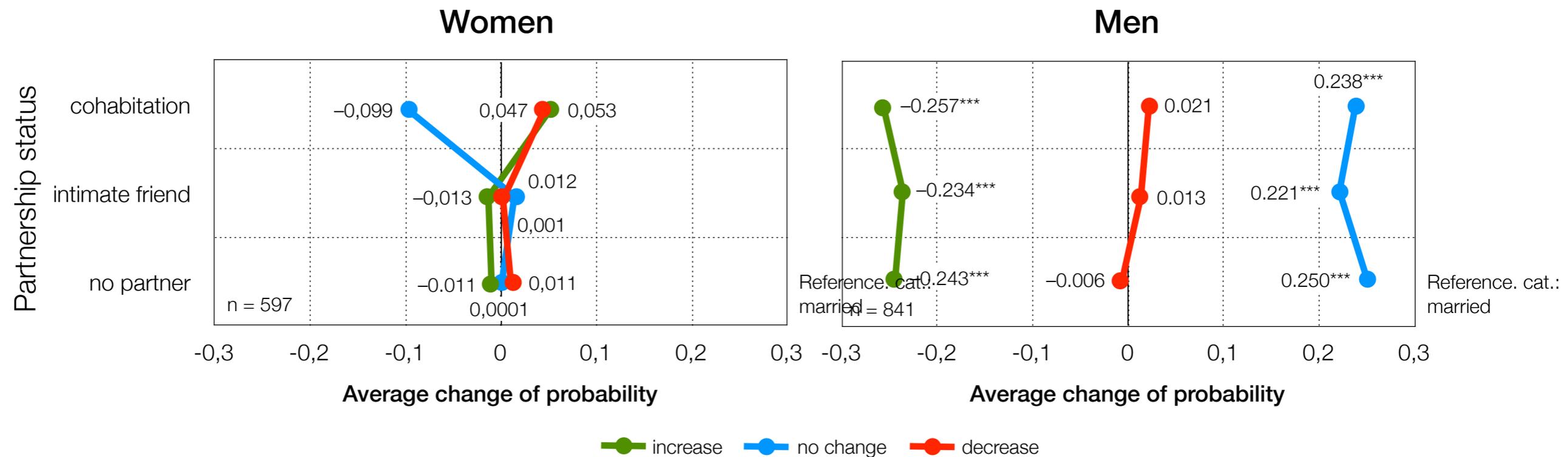
Control variables: age, marital status, employment situation, level of education.

Levels of significance: + ≤ 0.1 , * ≤ 0.05 , ** ≤ 0.01 , *** ≤ 0.001 .

Change of Certainty Due to a First Child

Effects of Partnership Status Separated by Gender

(multinomial logit, childless respondents, aged 18 – 35)



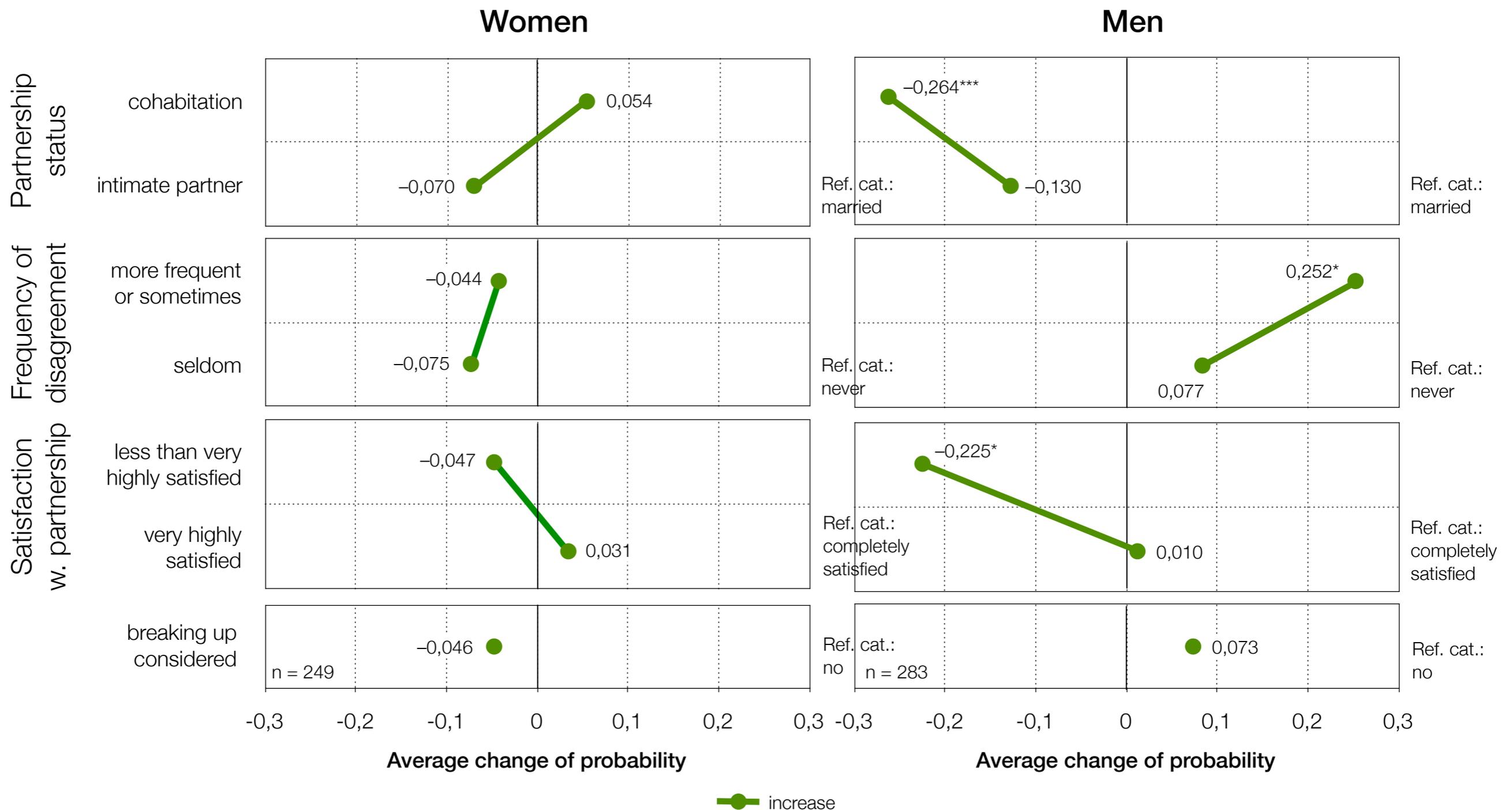
Control variables: age, employment situation, level of education.

Levels of significance: + ≤ 0.1, * ≤ 0.05, ** ≤ 0.01, *** ≤ 0.001.

Change of Certainty Due to a First Child

Effects of Partnership Quality Separated by Gender

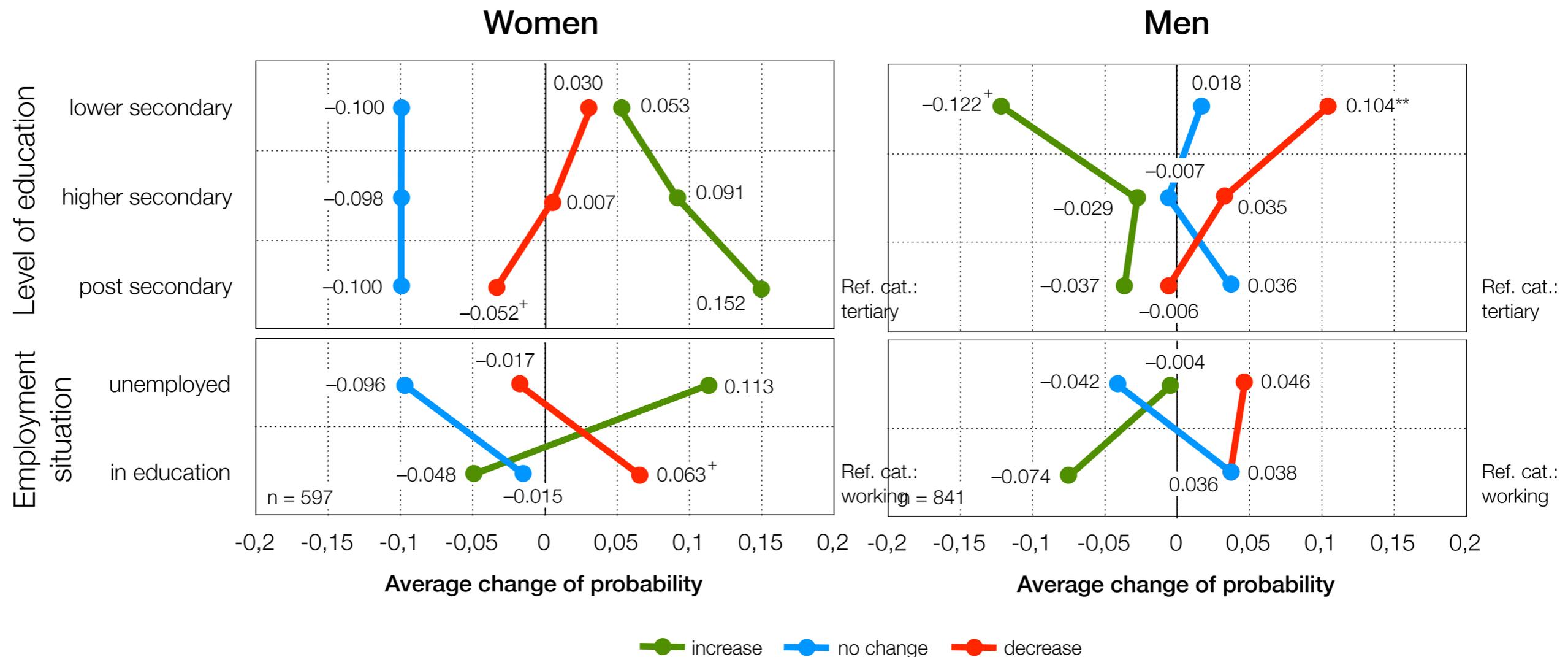
(binary logit, childless respondents with a partner, aged 18 – 35)



Control variables: age, employment situation, level of education.
 Levels of significance: + ≤ 0.1, * ≤ 0.05, ** ≤ 0.01, *** ≤ 0.001.

Change of Certainty Due to a First Child

Effects of Education and Employment Situation Separated by Gender
(multinomial logit, childless respondents, aged 18 – 35)



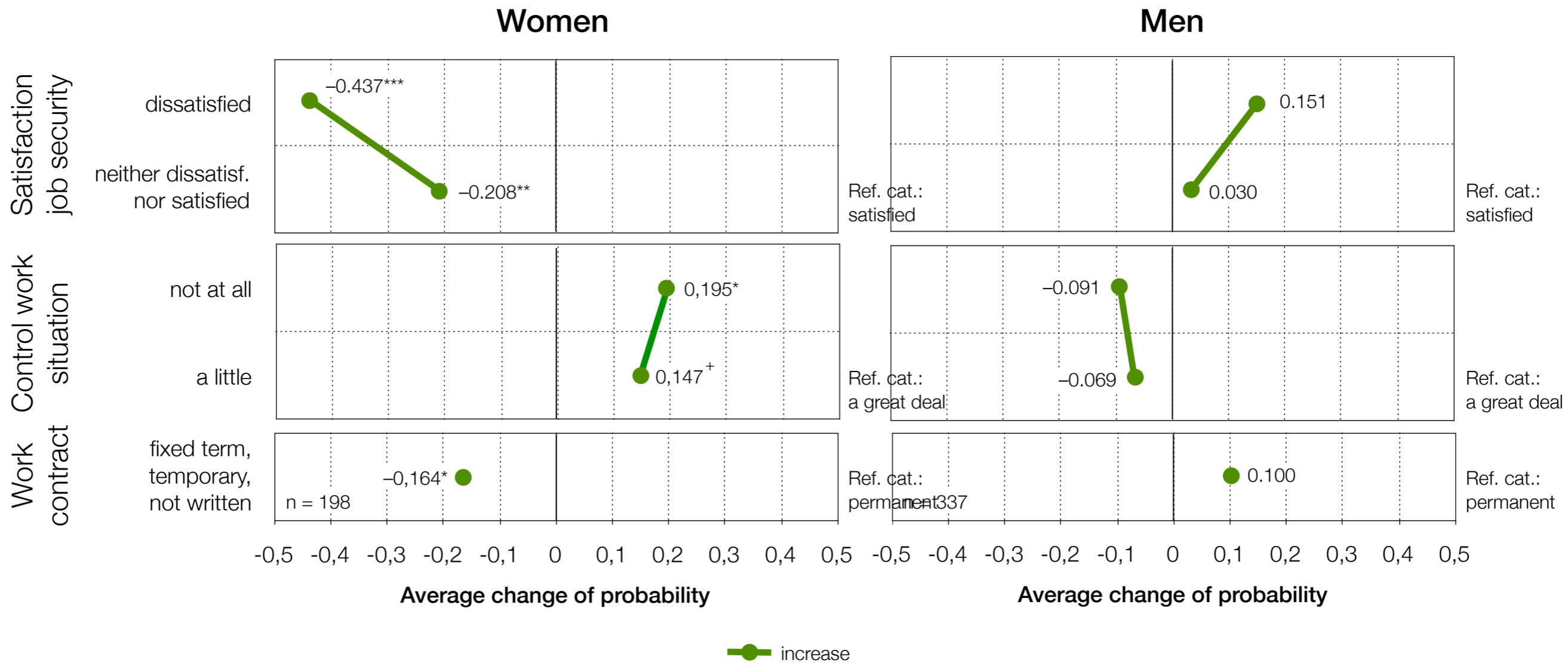
Control variables: age, marital status.

Levels of significance: ⁺ ≤ 0.1, * ≤ 0.05, ** ≤ 0.01, *** ≤ 0.001.

Change of Certainty Due to a First Child

Effects of Occupational Certainty Separated by Gender

(binary logit, childless respondents being employed, aged 18 – 35)



Control variables: age, marital status, level of education, income quartiles.

Levels of significance: ⁺ ≤ 0.1, * ≤ 0.05, ** ≤ 0.01, *** ≤ 0.001.

Conclusions

- A couple of results are in line with the theory, as a reduction of uncertainty due to children matters ...
 - ▶ ... for the transition to parenthood
 - ▶ ... at beginning of adult life
 - ▶ ... more for childless women than for childless men
- Occupational certainty
 - ▶ Women: uncertain current vs. uncertain future situation
- Marital certainty
 - ▶ Men: Children are not sources of certainty in themselves, but means to reduce marital uncertainty