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Lab and life: Differences in risky choices and relevant psychological mechanisms

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Background

It remains unclear to what degree the risky choices studied in the behavioral sciences reflect the choices that people face in their lives. We evaluate how well attuned this "status quo" is to real-world choices and the therein involved psychological mechanisms:

RQ 1: 10 what extent do the research and layperson

aitterences in televant psychological mechanisms? RQ 1: Overlap between perspectives

Based on the semantic similarity of 162 choices representing the two perspectives and signal detection analysis, we identified 103 unique choices with an overlap between perspectives of only 18%.

We also evaluated the semantic similarity of these choices' sentence embeddings to real-world risks thentified by an inventory of big life decisions, 1 the World Expriomic Forum, and the Global Burgen of Disease study.3

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> theoretically derived cho sms 103 hoices. Their

evance credibly differed between the research and layperson perspectives in all but 2 classes of mechanisms. *See poster 58

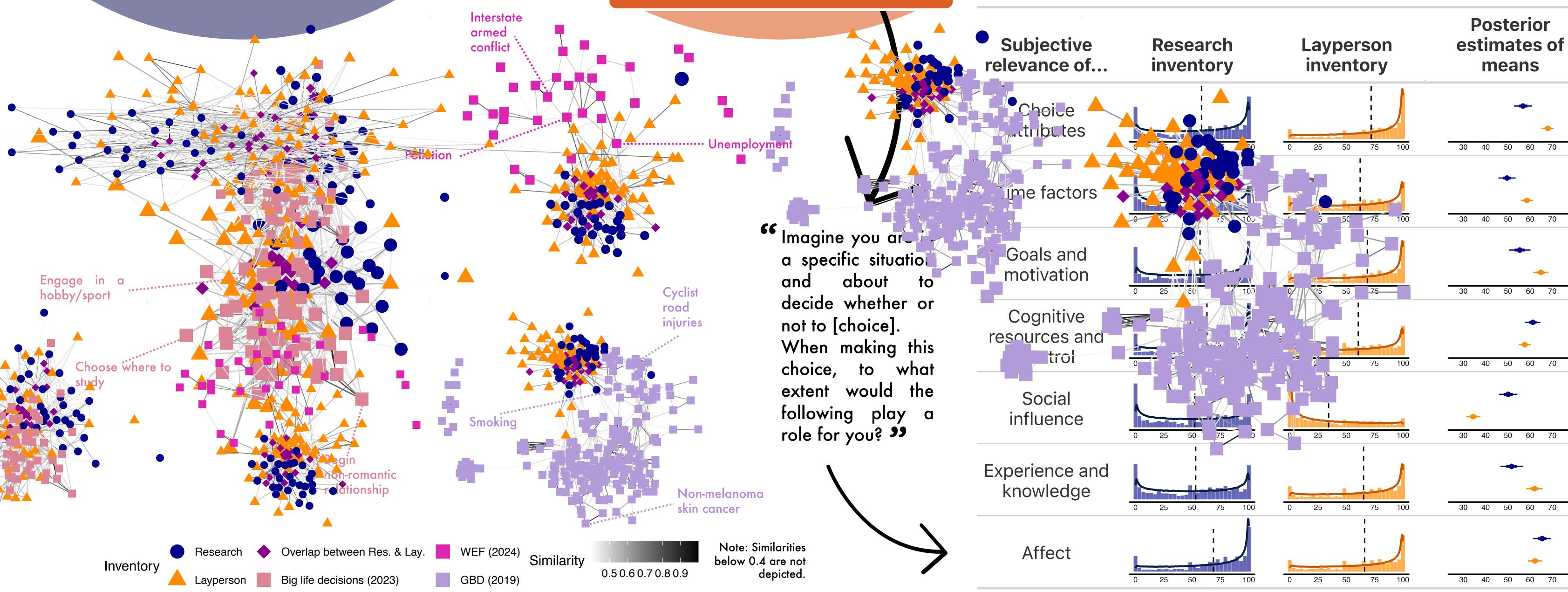
verbal abuse N = 54N = 19drive after alcohol spend money prenatal diagnostics abroad skip class travel without vaccin high insurance no winter tires build house diff. continent part-time work lump sum uncertain job $\Lambda N = 30$ end relationship take over business chemotherapy self-employed meet people traffic help person travel unstable region climbing surgeryhealth recommendations skydive

RQ 1a: Unique and overlapping choices in the research and layperson perspectives

other industry

technology change residence education

Methods & Results



Conclusion

retire early

Understanding how people decisions in real-life scenarios is possible researchers either study the same choices that people face in their lives psychological mechanisms at play in these choices are comparable (RQ 2).

research suggests that present neither of these requirements is met. To improve generalizability, future research should study a broader scope of relevant choices.

References

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RQ 1b: Semantic similarities to big life decisions, WEF global risks, and GBD risks

RQ 2: Posterior estimates of mean perceived relevance differed between perspectives in 5 out of 7 classes of psychological mechanisms (*)