

Using a foreign language reduces mental imagery:

For the preregistration report:

Background:

- As someone who has been studying the (sensory physiology of humans) in English -> imagining something in another language than your native one is hard
- Replicating a study by ... to check if correct
- Bilingualism: people learning another language opposed to people growing up learning two language
- native-ness of the language may contribute to the vividness of mental imagery
- Why is this interesting?:
 - Bilingualism is becoming more and more important in today's globalized world and in the work place
 - Does our performance deteriorate when studying or working in another language because we don't have good access to our sensory memories?
 - If true then it would affect our choice making -> perception of risk, self control and moral judgement (has been shown! But can we write it in the essay, since it comes from the original one?)
 - Reduced mental imagery leads to more utilitarian behavior

Research questions:

- Does foreign language reduce mental imagery?
- Does the use of foreign language reduce the access we have to sensory memories?
- Does the use of foreign language influence the choices we make?
- Use of 7 modalities, 35 different stimulations: vision, auditory, tactile, kinesthetic, gustatory, olfactory and organic

Keywords:

- Bilingualism, Mental imagery, foreign language

Design of the experiment:

General remarks:

- WHAT KIND OF EXPERIMENT? Ask tutors -> between subject/between groups study design
 - Independent variables
- Shortened version of Betts' Questionnaire Upon Imagery
- Participants randomly assigned to do the experiment in native language (German) or foreign language (English)
- 35 stimulations with 7 different modalities: vision, auditory, tactile, kinesthetic, gustatory, olfactory and organic

Sampling plan:

- Only recruiting people with the native language German and who have B1 level knowledge of English
- Recruiting people via Prof. Michael Franke's classes and our own XPLab
- Via a babe template

