



Methods

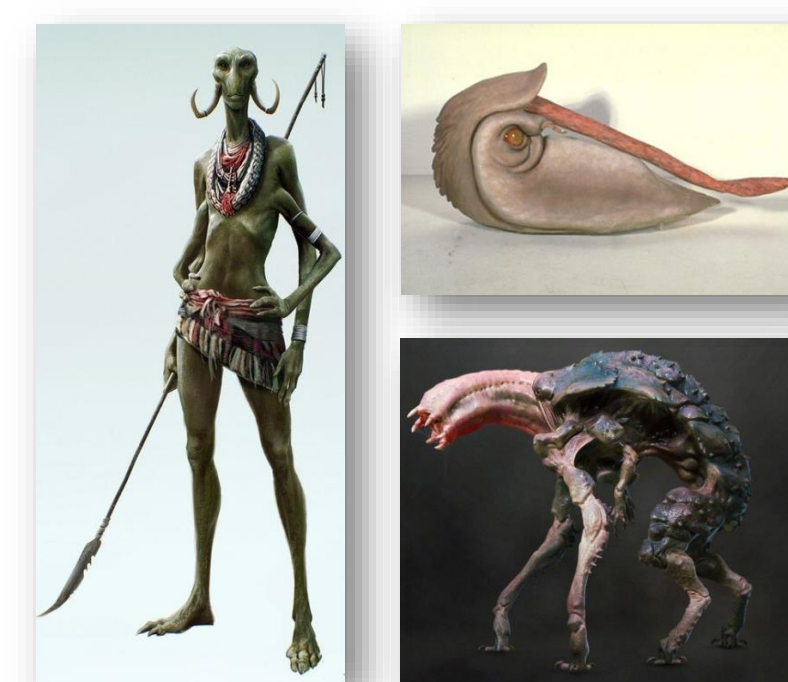
- $N=75$ persons (50F, 24M, 1 NA, $M_{Age} = 28.27$) rated 54 pictures of cinematic depictions of ETs on different scales (1-5)
- Prediction of *trustworthiness* as central outcome
- Prior $\mu = 0$, $SD = 1$

Findings

- Psychological similarity is more important than physical human-likeness
- Liking as strong positive, aggressiveness as strong negative predictor
- Intelligence plays subordinate role

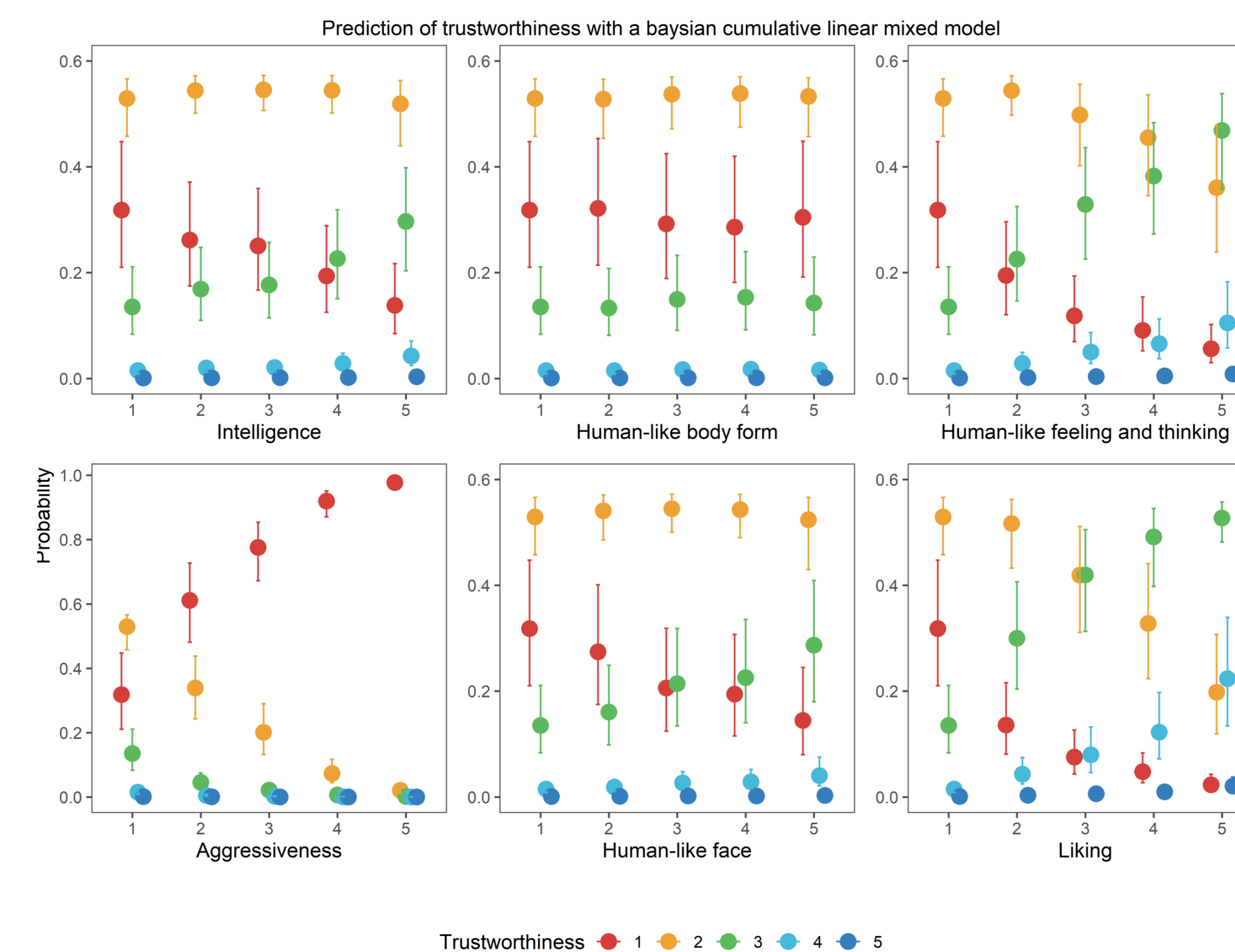
Limitations

- Comparability between images
- Missing values due to decision not to answer ($M = 5.30\%$, $SD = 0.54$)

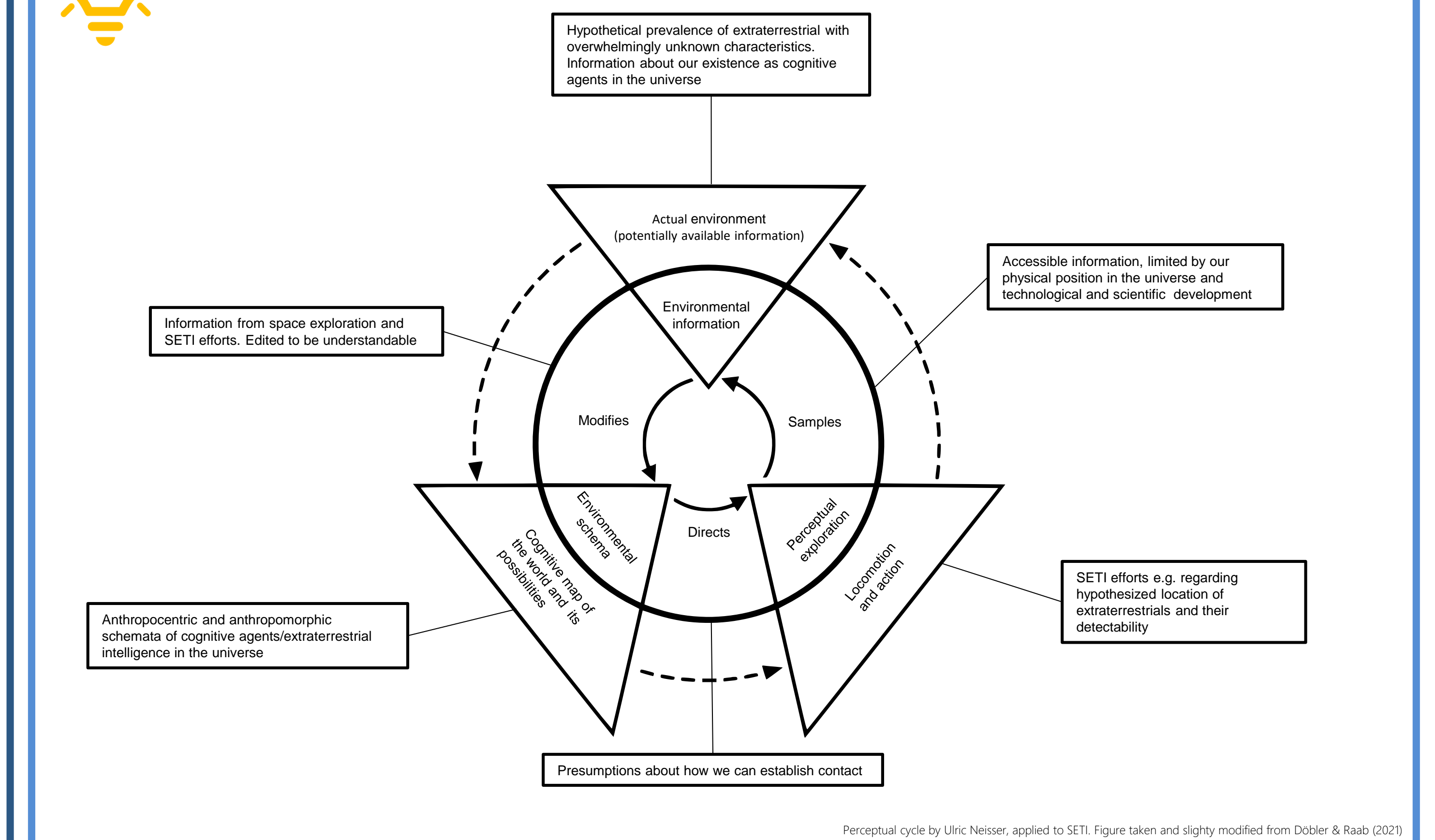


Results

- 49/75 (65%) participants considered the existence of extraterrestrial intelligence as likely or very likely

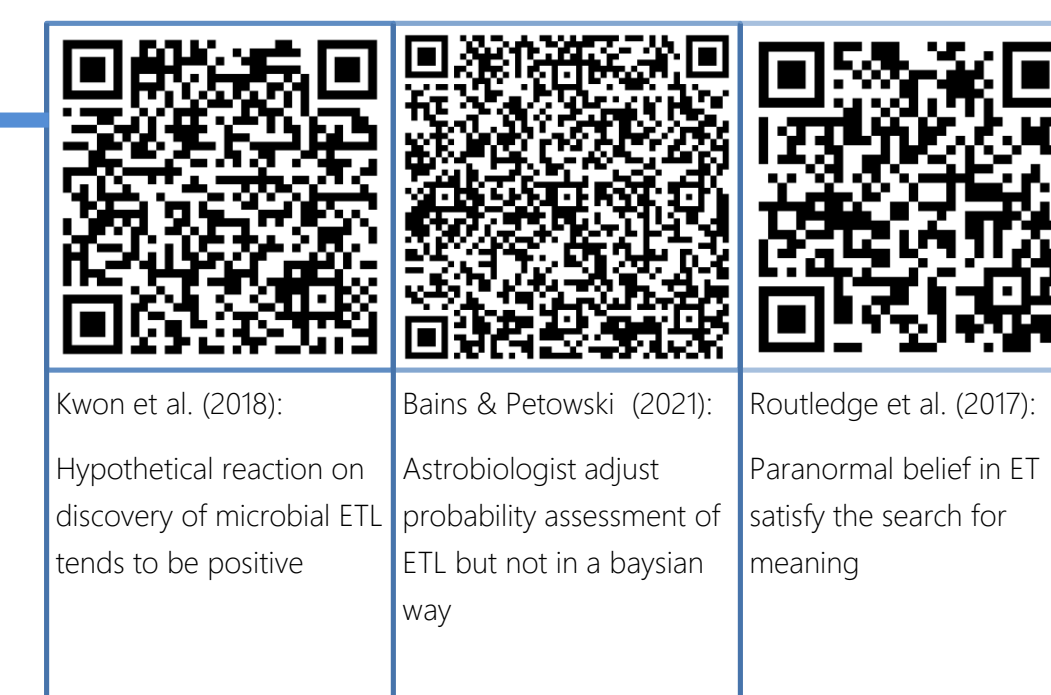


SETI underlies the same cyclic process as everyday perception



How we think about them...

Further research on how we think about ET



Exopsychology

How do *we* think extraterrestrials?

→ Empirical focus on human beliefs, attitudes, and representations

EXOBZΛCμOJODΛ

How do *extraterrestrials* think?

→ Theoretically investigating cognition, behavior, affects, and motives of extraterrestrial agents

...carves the modalities of contact

- Exopsychology rejects the notion of intelligence due to the concept's inadmissible anthropocentric normativity. Yet, it acknowledges the importance of it when thinking and talking SETI and extraterrestrials
- Employs *admissible* over *inadmissible* anthropocentrism to generalize our condition to the stars but trades definitional acuity for applicability

Extraterrestrial intelligence → Extraterrestrials seen as:

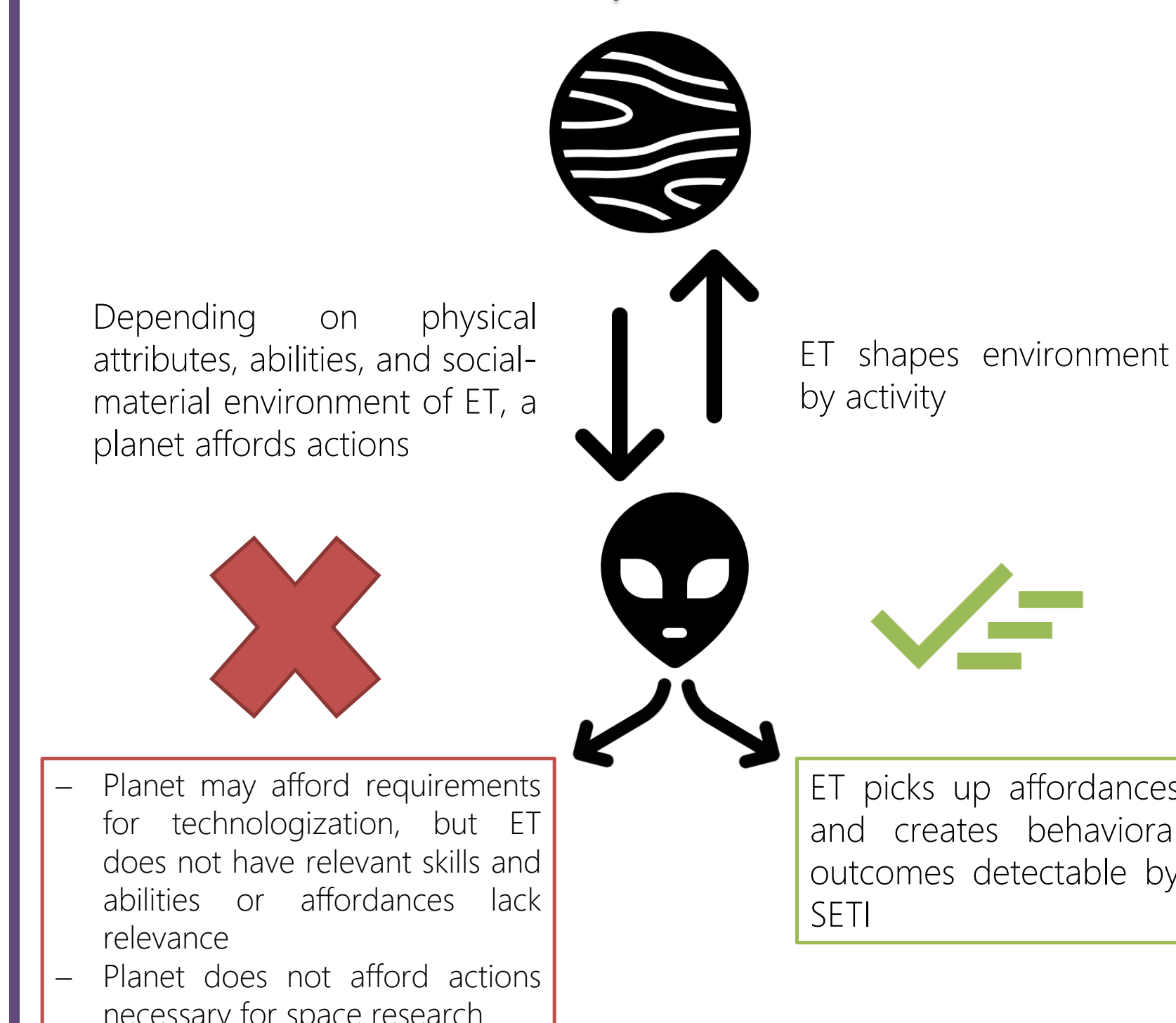
High-cognitive	Agents
<ul style="list-style-type: none"> – Cognition as basic mental processes to organize, employ and utilize knowledge – Continuum, inherent to every instance of life – „Higher“ cognition: Thinking about thinking – Meta-cognitive execution of behavioral and mental protocols and monitoring the outcomes 	<ul style="list-style-type: none"> – „Behavior governed by thought“^[2] – Purposefully interact and engage with the environment

CENTRAL PREMISES

Implications

- SETI is first and foremost looking for higher cognition and agency – not plain intelligence
- Responsible for any technosignature, extraterrestrials must utilize their knowledge to purposefully adapt the environment to their demands
- Success of any first contact requires reciprocal psychological compatibility

One small step further



- Mere engagement is not enough. Necessary skills and abilities, depending on socio-material and individual characteristics to exploit multiple relevant affordances must be present to engage with space research
 - Organisms respond to relevant affordances to improve their grip on the situation and reduce an internal disequilibrium^[3]
 - Open questions:
 - Which environmental and individual features bring forth relevant affordances for technology and space research?
 - How can METI create a relevant affordance and evoke action readiness to respond?
 - Which quality has the internal disequilibrium?
- Think about yourself. Why are you interested in space and its inhabitants?
→ What do you need to pursue your research?