Be CAREful: primary emotional traits predict preferences to social stimuli

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Two pillars form evolutionary psychology

1. Emotions are adaptive. Positive and negative primary emotional traits: CARE, JOY, PLAYFULNESS, SADNESS, ANGER, FEAR. (Panksepp, 1998) 2. Two motivational systems: Threatening, unpleasant stimulus > avoidance Pleasant stimulus -> approach (Lang et al., 2005; Gray, 2004)

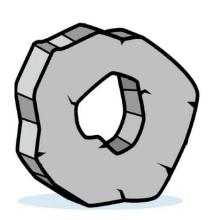
Emotional information processing

PERCEPTION

APPRAISAL

BEHAVIOR





Useful! Interesting!

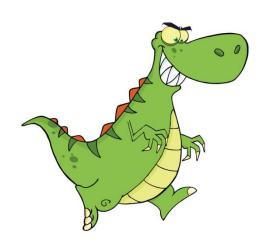


Emotional information processing: negative stimuli

PERCEPTION

APPRAISAL

BEHAVIOR









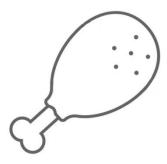


Emotional information processing: positive stimuli

PERCEPTION

APPRAISAL

BEHAVIOR



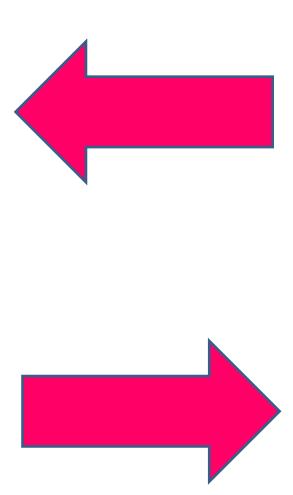


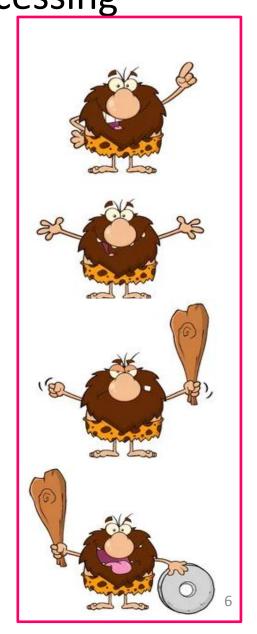




Individual differences in emotional information processing







Research question and objectives

Emotional pictures depicting:

Fear
Anger
Sadness
Exploration
Joy
Attachment

Preferences to see again (or not):
Yes/No

What is the correspondance between personality traits and stimulus preferences?

To investigate the effect of primary emotional traits on affective stimulus preference

Primary Emotional Traits

FEAR
ANGER
SADNESS
SEEK
PLAY
CARE

Methods

Participants:

218 adults (158 women, 60 men); mean age: 28.34 years (SD: 12.1)

Measures:

- 106 pictures from the IAPS and OASIS databases (Lang et al., 2005; Kurdi et al., 2017);
- Hungarian version of the 112- item Affective Neuroscience Personality Scales (ANPS 2.4) (Deak et al., 2022; Davis & Panksepp, 2011)

Procedure:

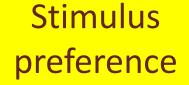
Online data collection with Gorilla Experiment Builder (Anwyl-Irvine et al., 2019)

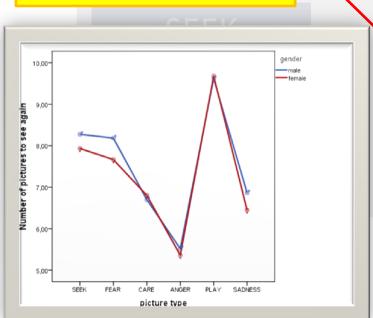
Results

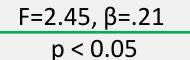


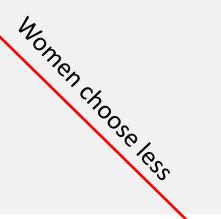
Dependent variable: number of selected pictures ("Yes" aswers)

Predictors: 6 primary emotional traits and Gender









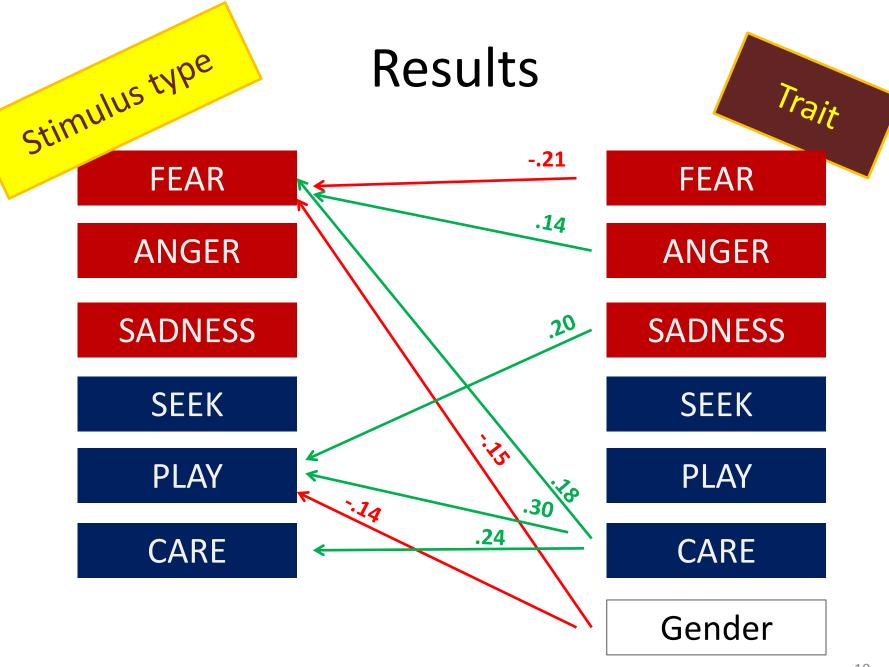
Trait

SEEK

PLAY

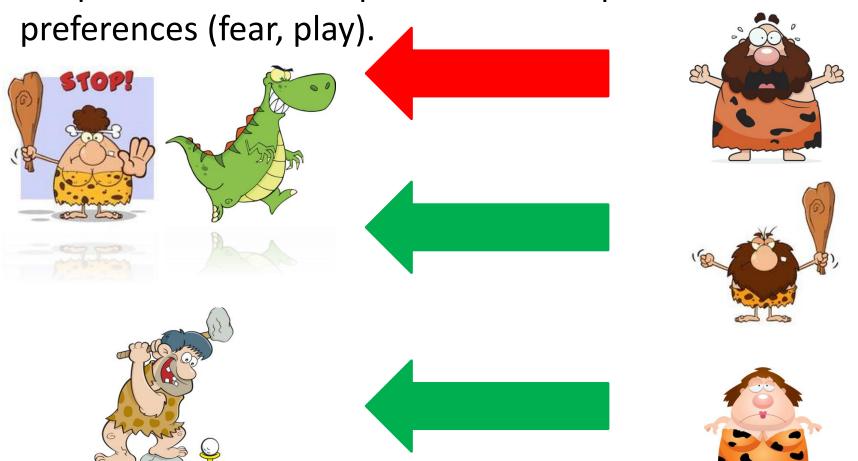
CARE

Gender



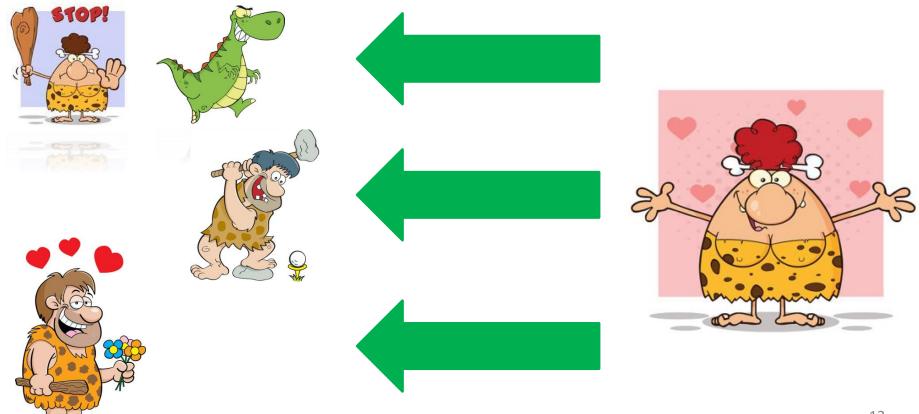
Discussion

Negative primary emotional traits (FEAR, ANGER, SADNESS) are predictors of both pleasant and unpleasant stimulus



Discussion

CARE as a primary emotional trait has a key role (as an interpersonal component) to predict stimulus preferences (fear, play, care).



Conclusions

- Primary emotional traits <u>are</u> predictors of both pleasant and unpleasant stimulus preferences.
- Negative emotional traits have <u>multiple functions</u>
 - SADNESS promotes adaptive emotion regulation strategies to increase well-being (through playful activities)
 - ANGER may activate fight-reactions to fearful stimuli
 - FEAR withdraws from overwhelming fearful stimuli
- CARE system may provide interpersonal reactions
 - both to fearful stimuli to promote empathy, and to social stimuli to idicate the rewarding value of social bonds (e.g., caring, attachment, social interactions)

Thank you for your attention!

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Acknowledgements

This study has been supported by the National Research, Development and Innovation Fund of Hungary under Grants PD124964 and FK125007.