

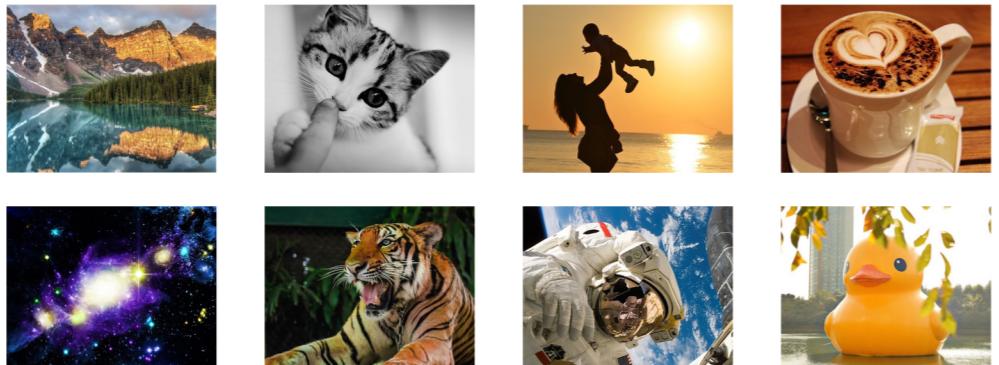
A

Human Subjects Design

OASIS Image Set + Ratings

(Kurdi et al, 2017; Brielmann et al, 2019)

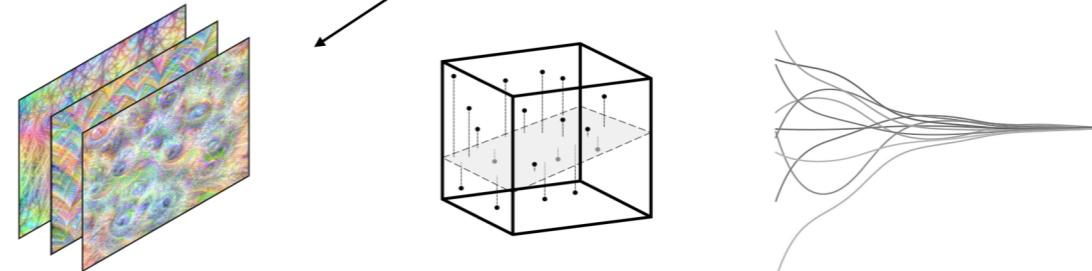
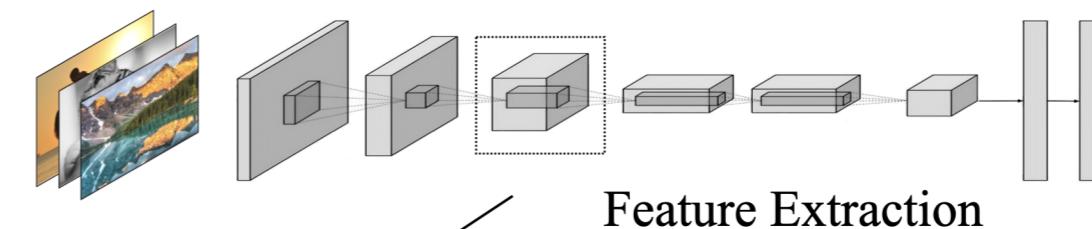
Prompt	Rate a series of pictures in terms of...
Arousal	the amount of emotion that they evoke.
Valence	how positive or negative they are.
Beauty	how much beauty they make you feel.



On Scale: 0 ← → 7

B

Deep Neural Network Modeling



$$r(y, \hat{y}) \quad \text{Score per Feature Map} \leftarrow \text{Predicted Affect Ratings} \leftarrow \text{Generalized Cross-Validation}$$

Weights from ...

N-Way Categorization

Self-Supervision

Random Initialization



[4.5, 2.1, 5.6...]

= (Group-Average) Affect Ratings

