

# MILESTONE 1: TEAM „WHALE“

**Members:** Zheng Lin, Qianye Li, Yanhong Xu

**Dataset:** Cameron D et al. 2022, “Task-level value affects trial-level reward processing”  
-doi <https://doi.org/10.1016/j.neuroimage.2022.119456>.



## 1. Experimental procedure / Main idea

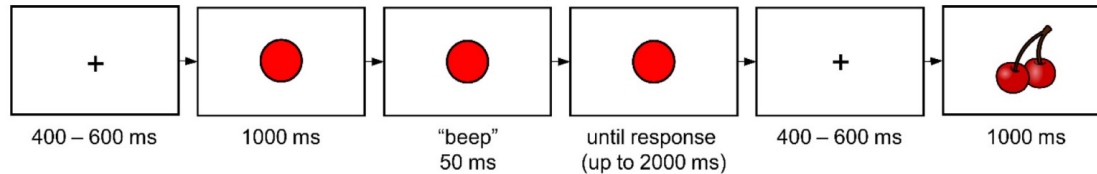


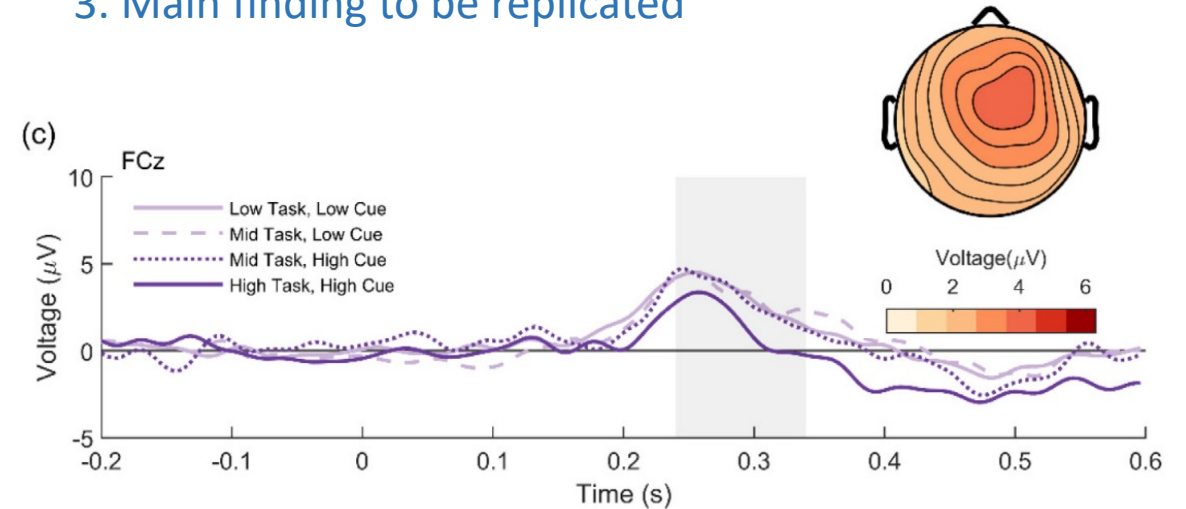
Fig. 1. Task overview. After making a left or right button press, participants were shown fruit indicating the outcome (win or loss).

- Participants attempted to learn correct actions for six predictive cues.
- Low-value cues: had a feedback validity of 0.5.
- High-value cues: had a feedback validity of 0.8.
- High-value, mid-value, low-value tasks.

## 2. The main research question

Whether and how reward-related anterior cingulate cortex (ACC) activity, as indexed by reward positivity (RewP) varies with task value.

## 3. Main finding to be replicated



## 4. Main type of analysis to be run

- ERP of RewP window, FCz from 240 to 340 ms.
- Inferential statistics to generalise.