

Gamifying Risk Identification for Alcohol Use Behaviors Across Countries and Cultures

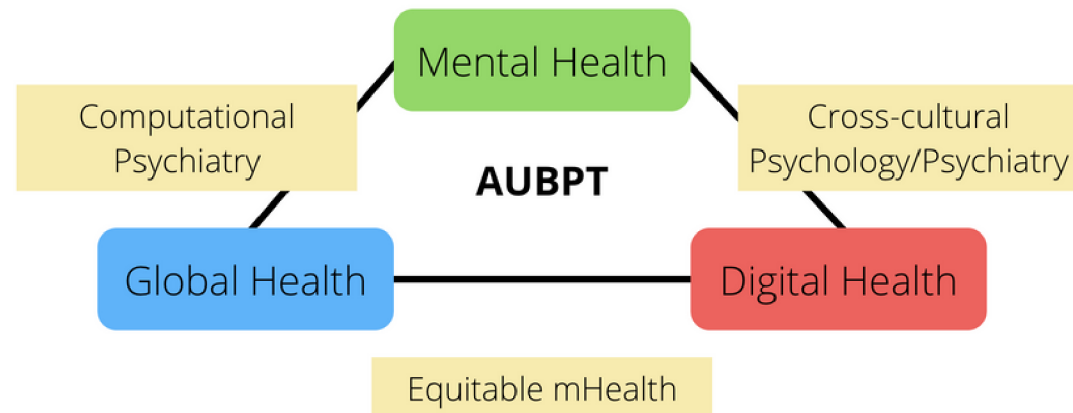


BASS CONNECTIONS
Brain and Society

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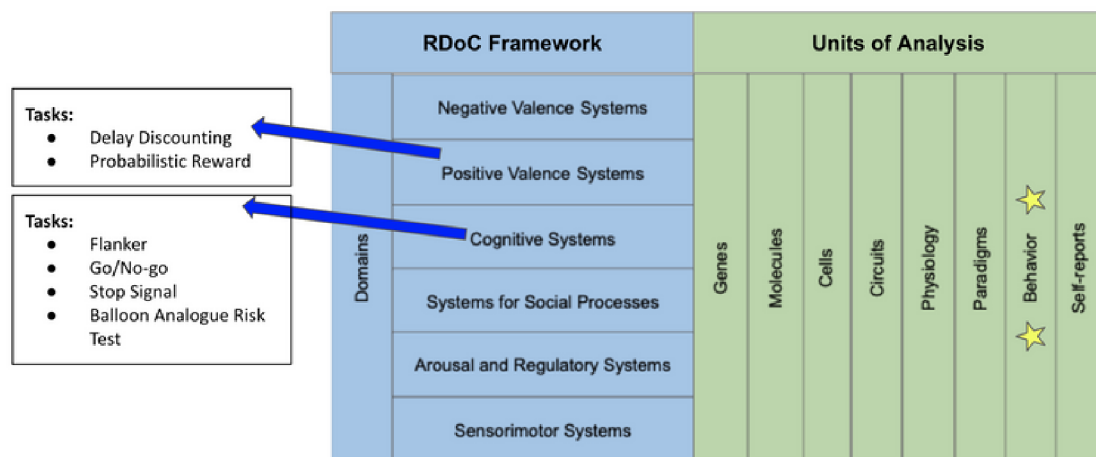
Background

- A complex web of **biopsychosocial factors** underlie predisposition towards **harmful alcohol use**.
- We will continue to work on the **Alcohol Use Behavioral Phenotyping Test (AUBPT)** – a computer-based dimensional assessment that can be culturally adapted to assess alcohol use behaviors across countries.
- AUBPT includes **gamified versions of behavioral paradigms** (“tasks”) that can evaluate the transdiagnostic biopsychological constructs under the positive valence and cognitive domains of the Research Domain Criteria (RDoC) proposed by the National Institute of Mental Health (NIMH).

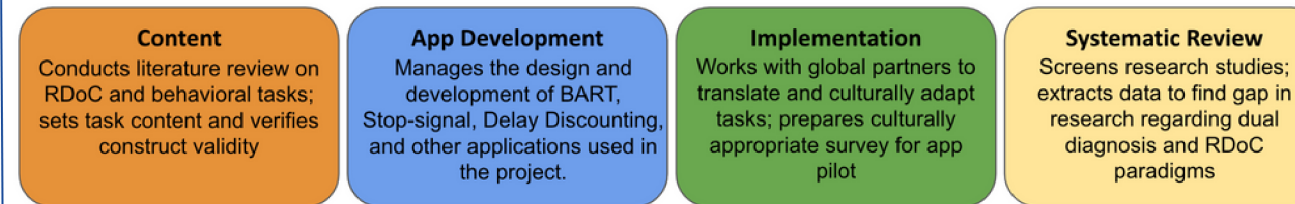


Mapping Our Tasks to RDoC

- RDoC is a NIMH framework that aims to investigate biobehavioral mechanisms behind multiple disorders.



Subteam Structure



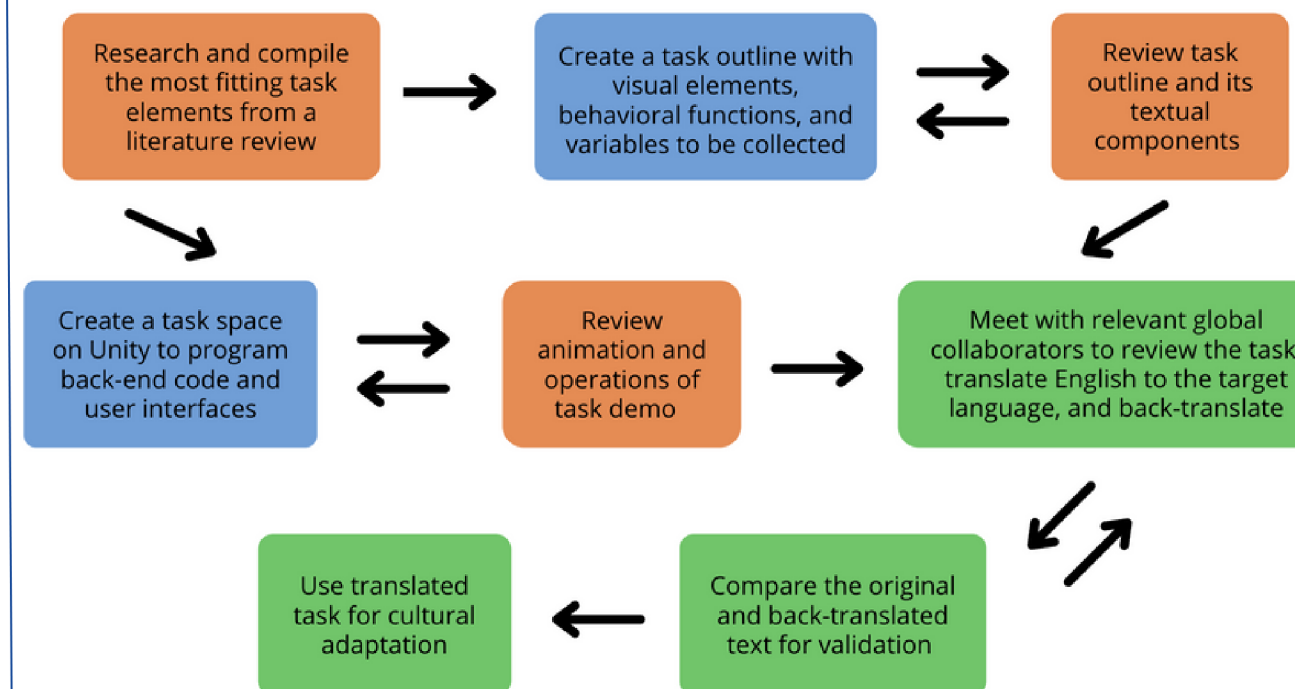
Collaborators



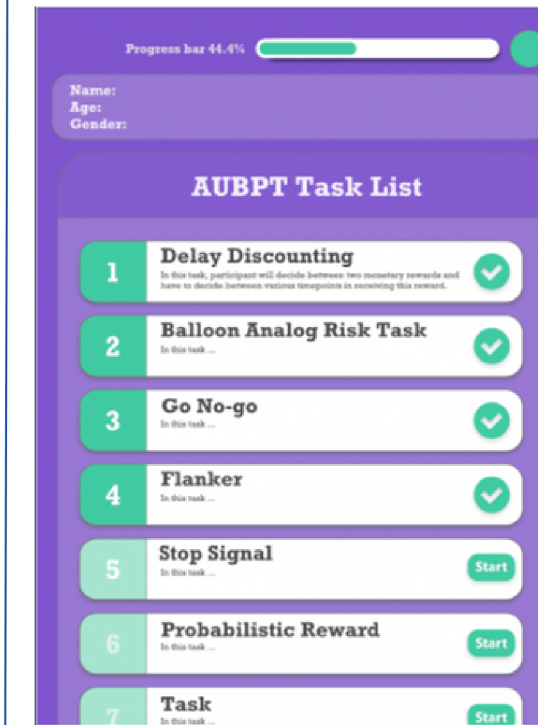
We are currently partnering with collaborators in **São Paulo, Brazil** and **Moshi, Tanzania** to adapt and implement the AUBPT tasks in those regions:



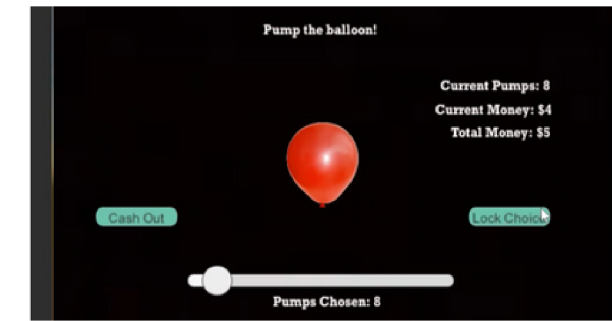
Task Development Workflow



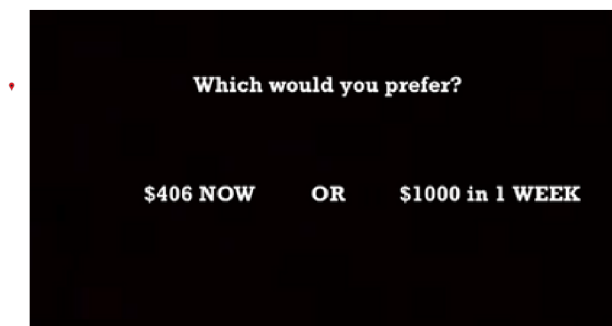
Current Outputs



Task Navigation Page

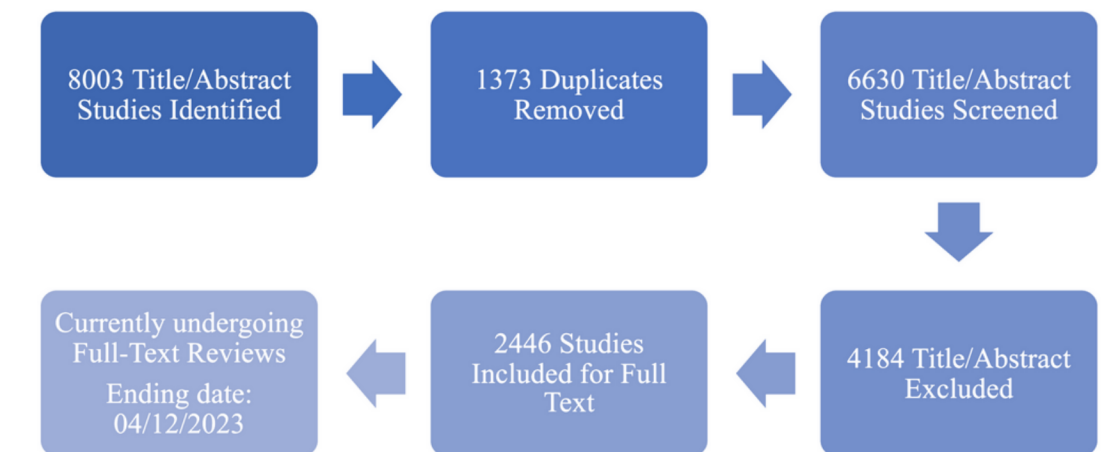


Stop Signal Task



Delay Discounting Task

Systematic Review



Next Steps

- Test AUBPT's ability to **predict risk of alcohol use disorders**
- Create an **open-source multilingual computer application** for AUBPT
- Create open-source validated **artificial intelligence models**
- Adapt AUBPT in Portuguese, Swahili, and Hindi**