FACULTY MENTOR

PHD, Van Patten, Ryan

PROJECT TITLE

Leveraging Amazon's Mechanical Turk for Big Data Investigations of Cognition in At-Risk Populations

PROJECT DESCRIPTION

We will use an online labor market – Amazon's Mechanical Turk (AMT) – to collect neuropsychological data from thousands of people. Some of these people will have histories of traumatic brain injuries and some will be older adults at risk for cognitive impairment. We are interested in emotional symptoms and cognitive performances of people with and without high risk for brain disorders. To address this research question, we will administer self-report measures of psychiatric symptoms through AMT and we will also ask all participants to complete computerized tests from the cognitive neuroscience literature. These tests will be highly sensitive, precise, state-of-the-art measures of working memory and executive functions. They will be presented on an external web page, accessed via a hyperlink embedded in the AMT interface. The intern's primary task will be to help us set up this web page and to program the cognitive task using HTML with JavaScript or Flash.

INTERNS NEEDED

1 BS or MS student

PREREQUISITES

Basic programming skills in HTML