Title: Longitudinal Cognitive Online Testing

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Abstract:
My research was focused on creating an online test capable of tracking and catching cognitive decline. The questions were randomized every time in order to allow patients to take the test multiple times over a few months. Having a large bank of questions allows for the reduction of the practice effect where the patient scores higher because they have seen the questions prior. It is also self-administered, which removes the need for the patient to find a specialist and make an appointment with them. Although the test does not allow for the concrete diagnosis of Alzheimer’s or other neurodegenerative diseases, it helps the patient catch their loss of cognitive function earlier and seek help.