Investigator:  Jane Kim (Clinical Assistant Professor, Psychiatry and Behavioral Sciences)

Title: Ethical considerations in online bandit problems and offline policy evaluation in mHealth

Abstract:
I am planning a career development grant on the topic of incorporating ethical principles in the design and analysis of online learning algorithms used for mobile health apps, e.g. contextual bandits. The overall goal is to articulate and identify considerations that may be needed to ensure that online learning algorithms can be deployed in an ethically robust manner that is in alignment with the Belmont principles. My goal for the session is to brainstorm to see what ideas people have about incorporating ethical principles into the design or analysis of bandits, and how to narrow the scope of potential ideas.

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