

# DIFFERING MOTIVATIONS FOR USE OF STIMULANTS & PSYCHEDELICS FOR COGNITIVE ENHANCEMENT

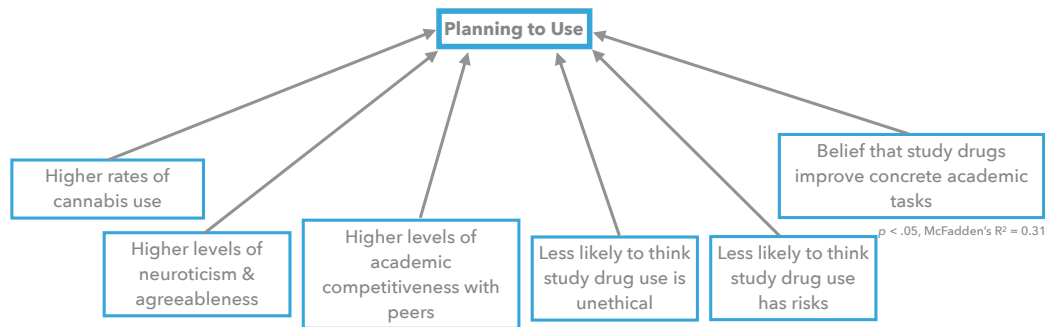
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## GOAL OF STUDIES

- Collaborating with undergraduate researchers, investigate patterns of use and beliefs about the use of pharmacological substances for enhancement in University of Toronto students

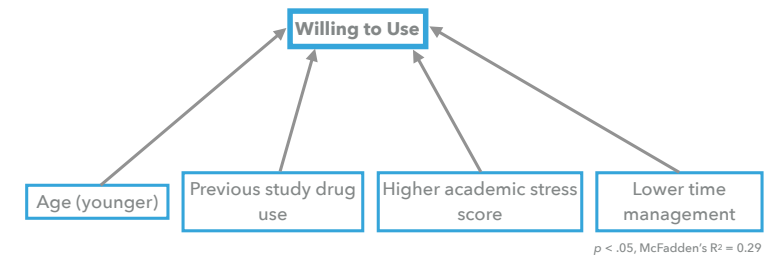
## STUDY 1: BELIEFS IN UTILITY & ETHICS OF STUDY DRUG USE

- Online questionnaire with items addressing ethical views of use, effects on specific tasks and cognitive, effects on health
- Demographics:
  - n=325 (female=243)
  - Most represented fields of study: 107 in biology, 53 in business, 26 in engineering, 25 in humanities
  - 20 (6%) had used, 52 (16%) were planning on using



## STUDY 2: STUDY DRUGS & ACADEMIC STRESS

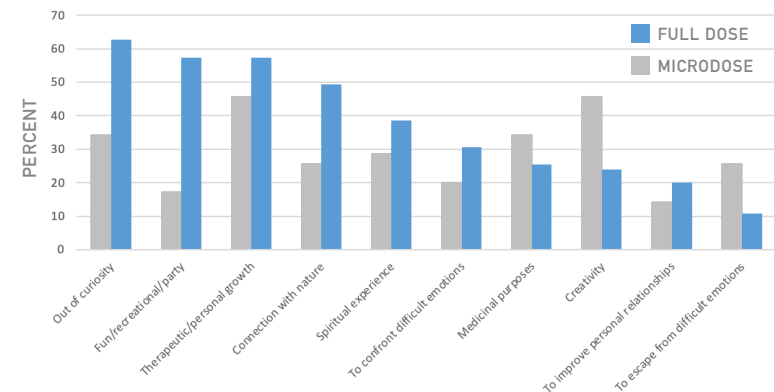
- Online questionnaire with items addressing academic stress and use
- Demographics:
  - n=255 (female=186)
  - Most represented fields of study: 157 in sciences, 57 in arts, 15 in engineering
  - 16 (6%) had used, 22 (9%) were willing to use



## STUDY 3: REASONS TO USE PSYCHEDELICS

- Online questionnaire with items addressing reasons for psychedelics use, divided by full dose and microdose usage
- Demographics:
  - n=191 (female = 121)
  - 81 (42%) reported previous use (75 full dose, 35 microdose experience)
    - Of users, 75% used psilocybin, 66% used LSD
  - Greater number of White, male users than expected
  - Greater incidence of clinical depression, substance use disorder, & ADHD (anxiety was marginal, no difference in schizophrenia)

TOP 10 REASONS (FULL DOSE VS MICRODOSE)



## UNDERGRADUATE STUDENT RESEARCHERS

- Joseph Banning
- Simran Dhir
- Carmen Chan
- Joshua Koh
- Priscilla Chan
- Kira London-Nadeau