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# Do you JUUL? Predictors of licit stimulant use in undergraduate students

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## Introduction

- Rise of nicotine and caffeine use on college campuses (Champlin, Pasch, & Perry; Petit & DeBarr, 2011)
- E-cigs and JUULs: new phenomenon and particularly addictive (Willett et al., 2018)
- Academic stress  $\rightarrow$  unhealthy behaviors and stimulant use (Patterson et al., 2004)
- Gap in research about how procrastination and parental pressures predict stimulant use

### Hypotheses:

- Students who use licit stimulants will report higher levels of academic stress, parental pressure, and procrastination
- Specific latent classes of stimulant use and the three predictors will emerge from the data.

## Method

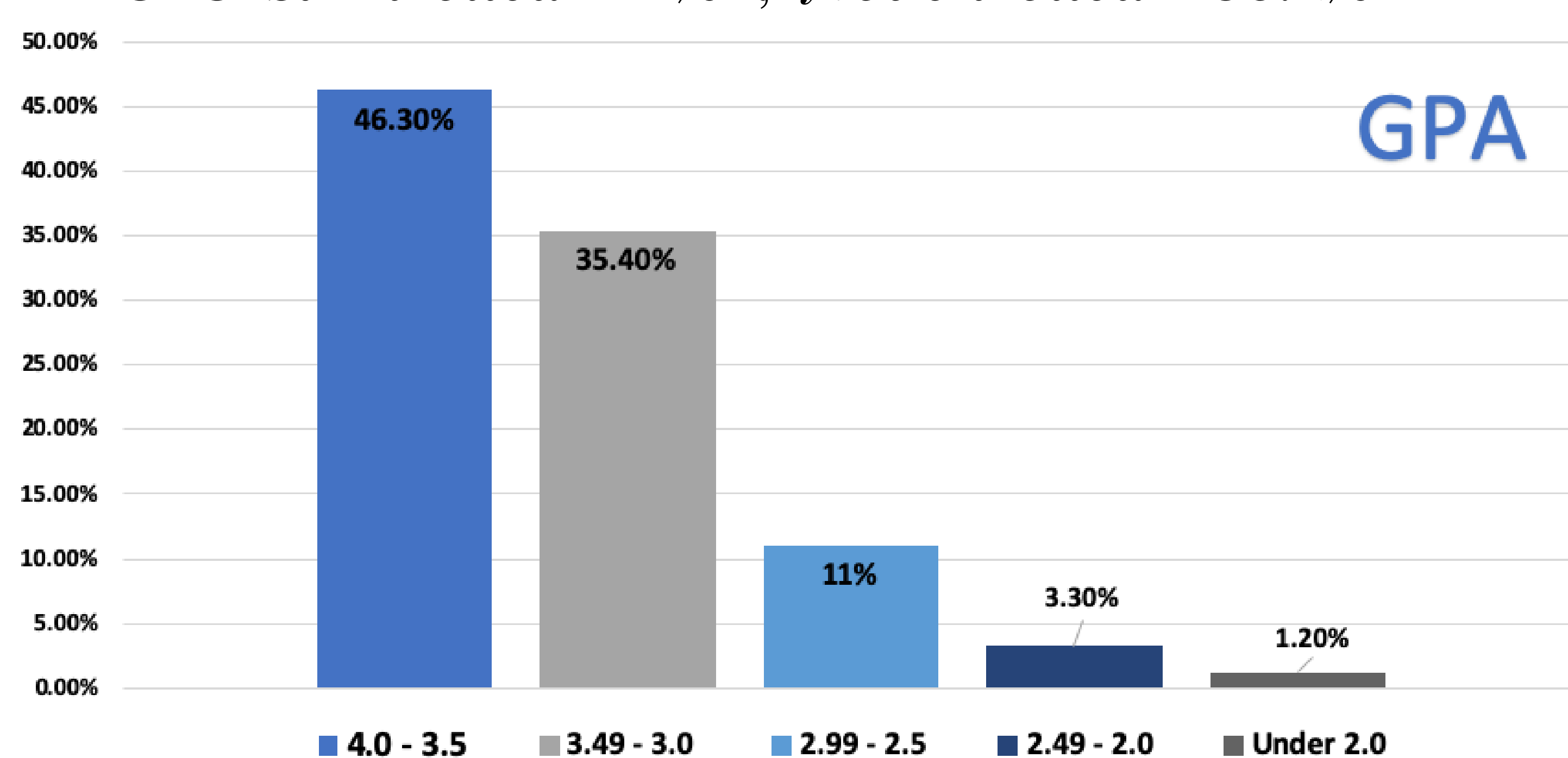
- Participants answered self-report questionnaire on Qualtrics
- All participants were 18+ and current undergraduates

## Measures

- Inventory of Parental Influence (Cho & Campbell, 2011)
  - "Parents being happy only with children's perfect scores."
- Academic Expectations Stress Inventory (Ang & Huan, 2006)
  - "When I do not do as well as I could have on an examination or test, I feel stressed."
- Lay's Procrastination Scale (Lay, 1986)
  - "I often find myself performing tasks that I had intended to do days before."
- Researcher adapted stimulant use questionnaire
  - "On average, how often do you consume the following nicotine products EACH WEEK?"

## Participants

- **Male**= 28% **Females**= 67.9% **Non-Binary**= 1.2%
- **Age:**  $M=20.25$  ;  $SD= 1.628$
- **Ethnicity:** *Non-Hispanic*= 91.5% ; *Hispanic*= 5.7%
- **Honors:** *Enrolled*= 11% ; *Not enrolled*= 86.2%

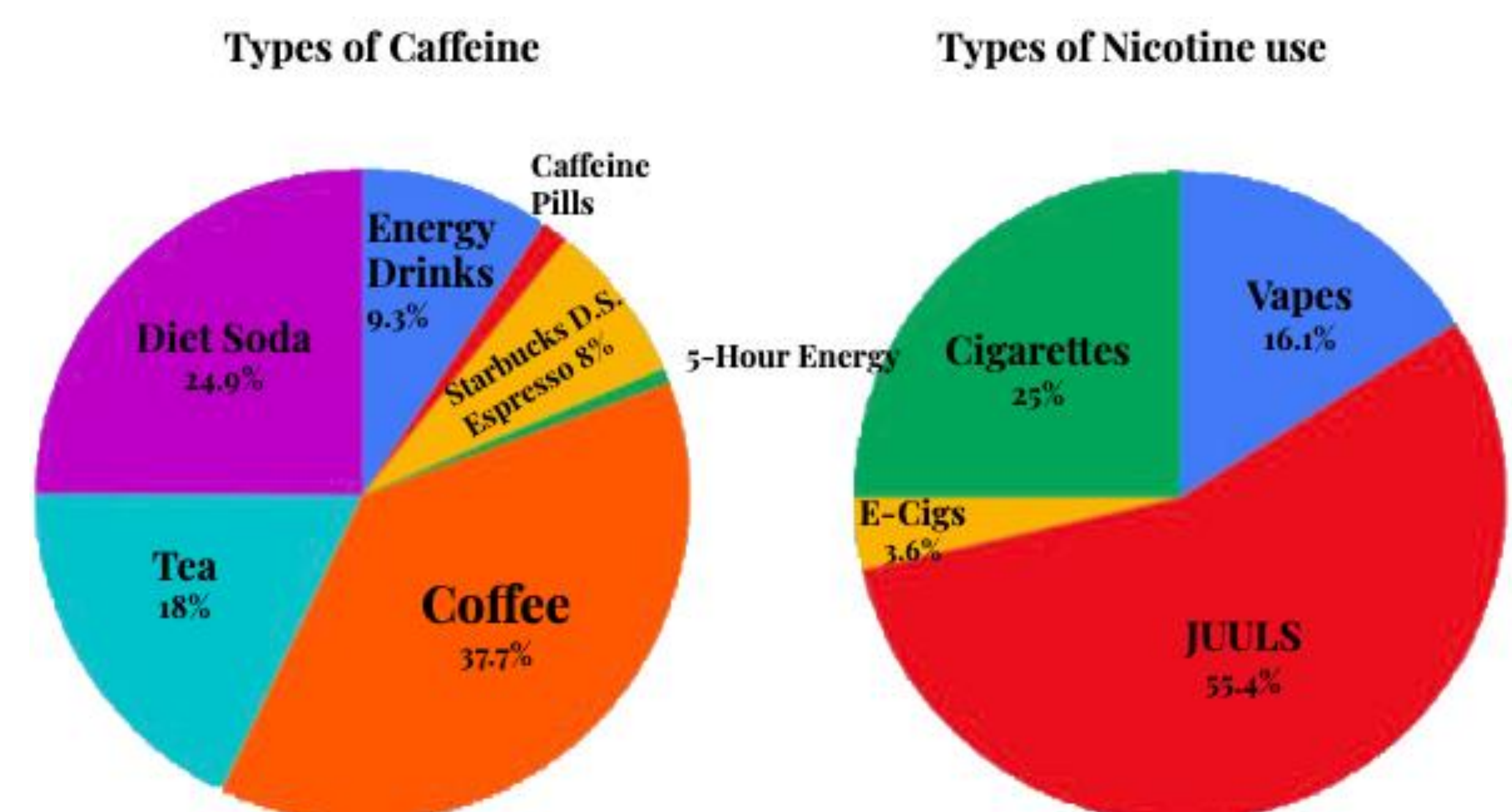
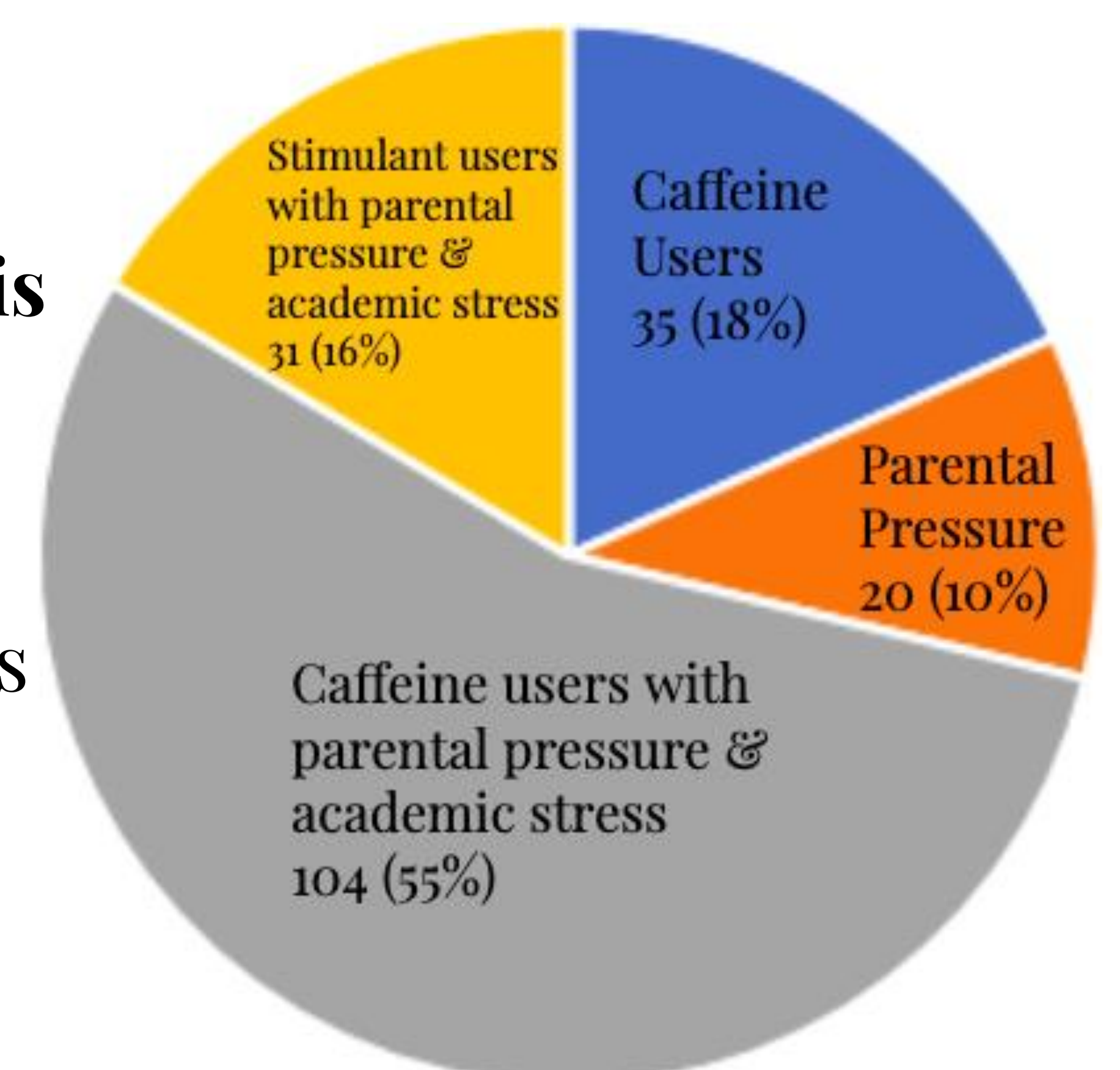


## Results

	Class 1	Class 2	Class 3	Class 4
Caffeine	1.00	0	0.70	1.00
Nicotine	0.22	0.25	0	1.00
Parental Pressure	0	0.60	0.68	0.70
Procrastination	0.18	0	0.25	0.42
Academic Stress	0	0.34	0.74	0.57

### Latent Class Analysis

- 4- class Model
- AIC:1159.62
- BIC:1214.82.
- n= 190 participants



## Conclusion

- Class 3 suggests a link between caffeine use and high levels of stress
- Class 4 supports the hypothesis that students with higher stress are more likely to use licit stimulants.
- Further longitudinal studies need to be done to determine a significant correlation between licit stimulant use and these three constructs.

## References

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