

Apr 25th, 10:30 AM - 10:45 AM

## Caffeine and Memory - Friends or Foes?

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# Caffeine and Memory - Friends or Foes?

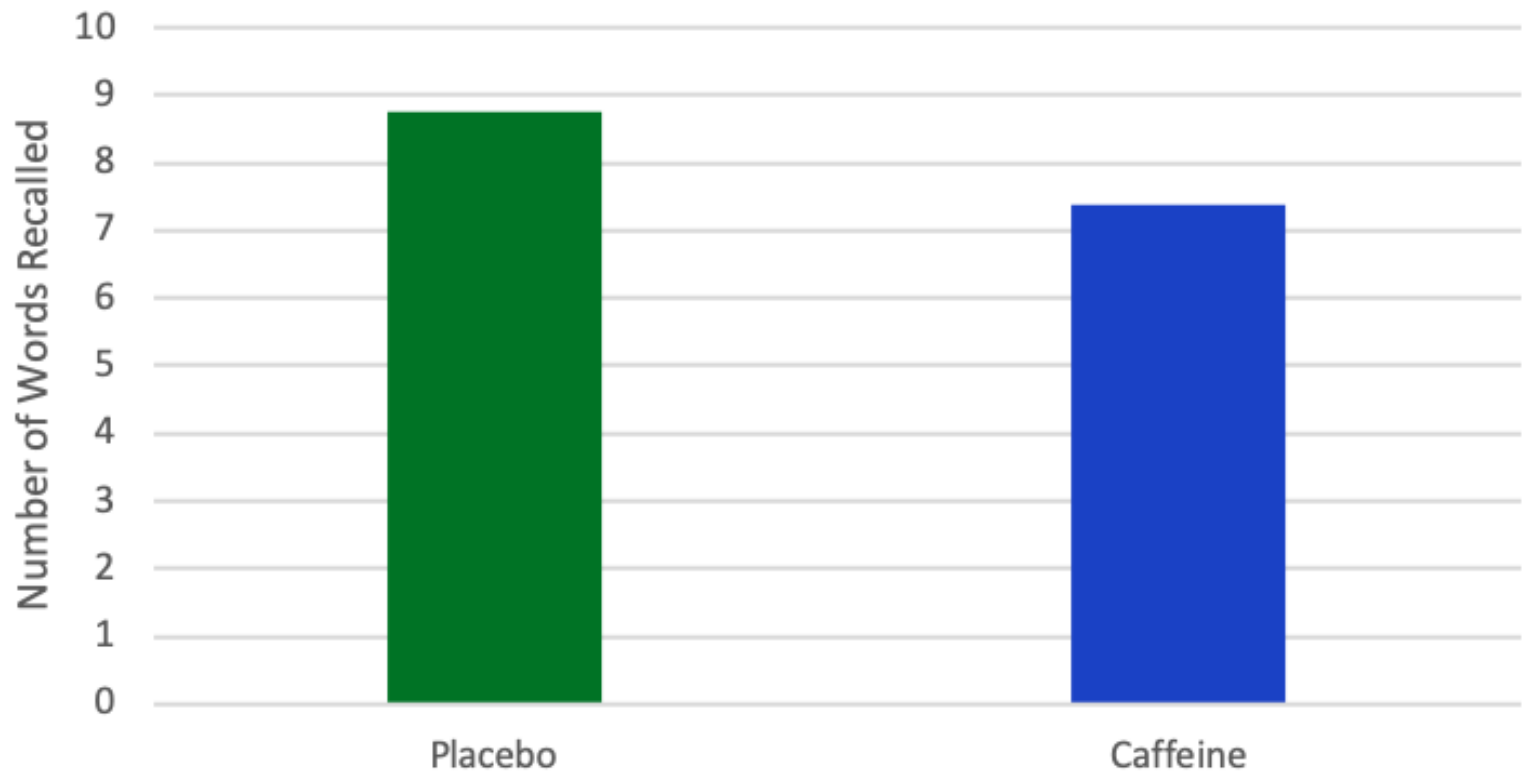
Krysten Abboud, Tori Johnston, Amber Griffin, Elinor Krafsky,  
Vivienne Youn, and Nikki Honzel



# Background

- The purpose of this study was to understand the role of caffeine in learning and memory.
- Previous research
  - Caffeine= decrease memory
  - Immediate memory





**Terry & Phifer, 1986**

\*Change in value between the bar graphs show significance

# Hypothesis

- Caffeine will have a negative effect on retention in both wordlist memory and factual/conceptual memory.



# Methods

## Participants

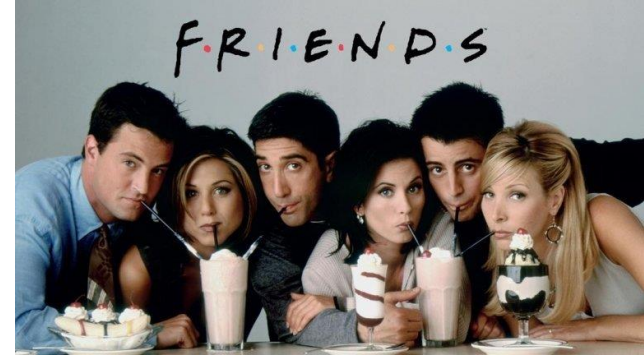
- 28 students in the caffeine group
- 27 students in the placebo group



# Methods

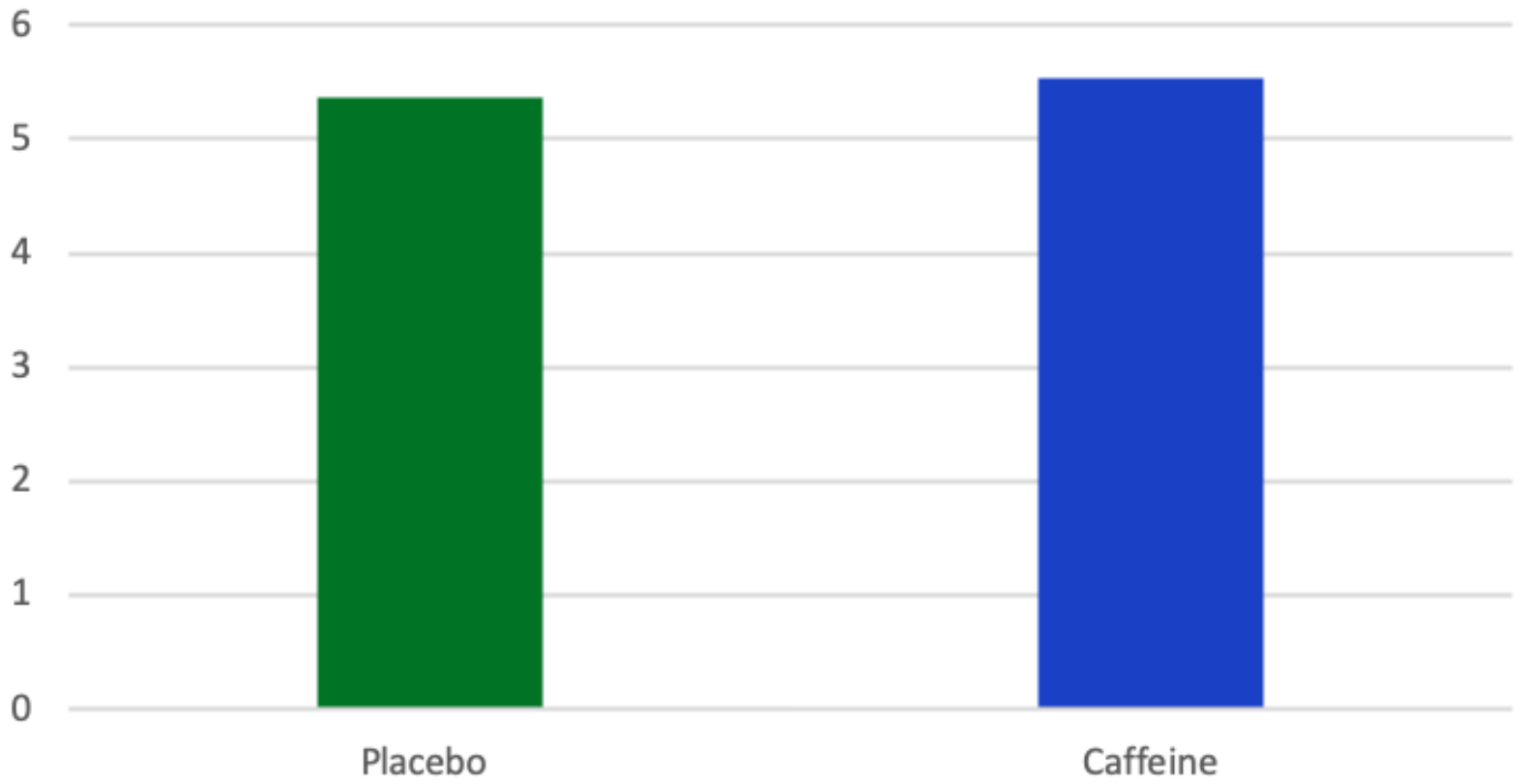
## Procedure

- Administered a pill
- Watched an episode of *Friends*
- Administered a 16 word, word list
- Watched a TED talk
- Completed questionnaire regarding the TED Talk

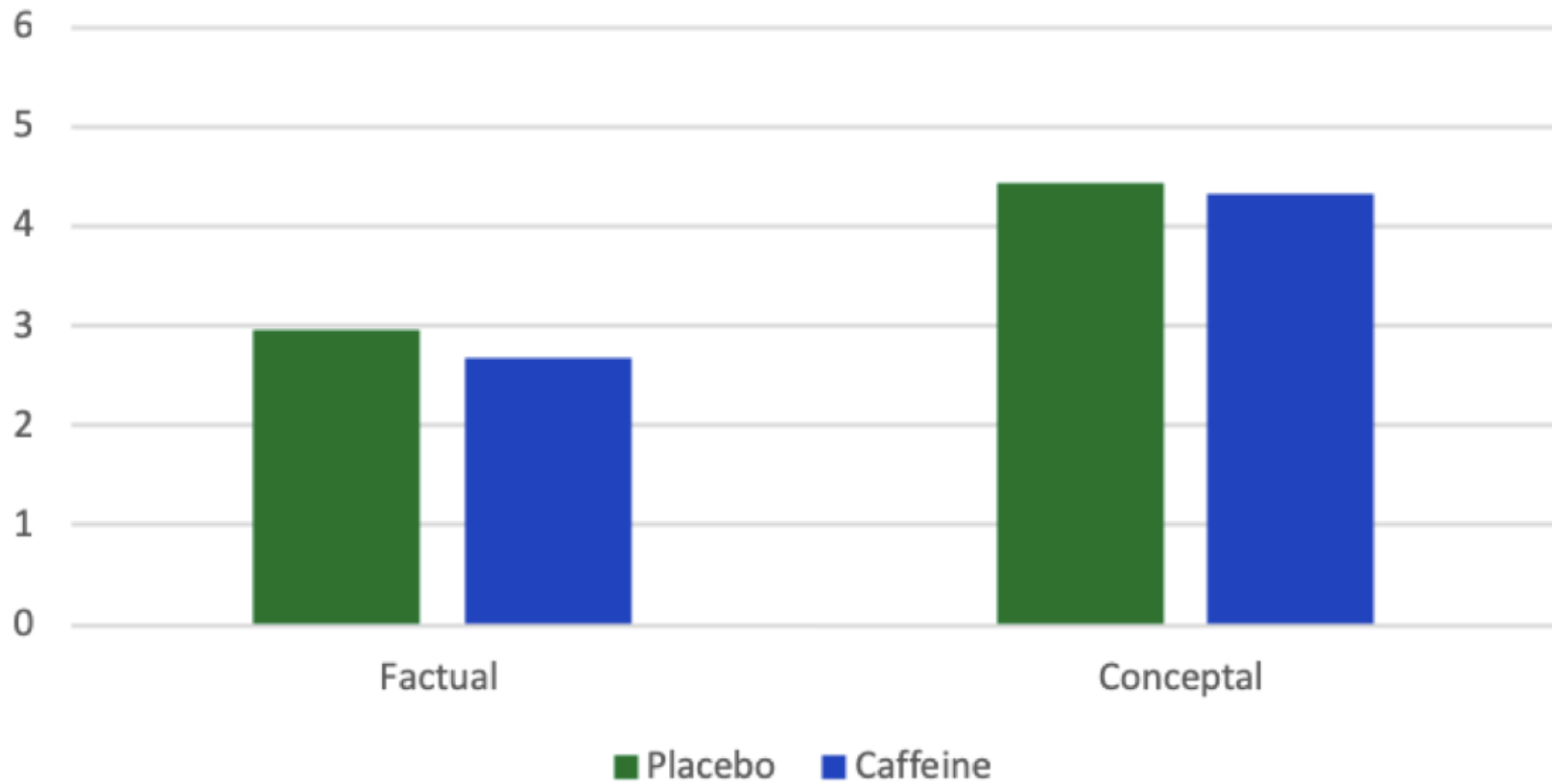




# Word List



# TED Talk



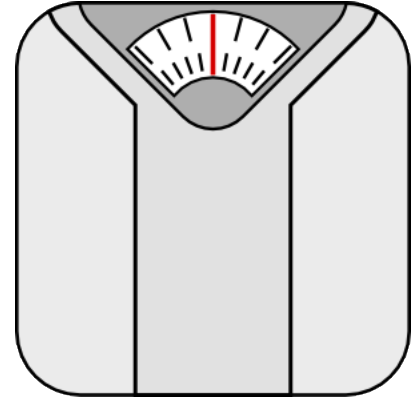
# Conclusion

- The current study failed to find a significant effect of caffeine on memory processes.
- Why?



# Future Studies

- Immediate recall
- Caffeine consumption
- Weight
- Gender





Questions?

# Word List

1. Train
2. Cucumber
3. Parrot
4. Carpet
5. Squash
6. Airplane
7. Stove
8. Mouse
9. Car
10. Chair
11. Lettuce
12. Monkey
13. Desk
14. Motorcycle
15. Elephant
16. Onion

