## Naps Impacting School Performance

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- Many college students do not receive sufficient amount of sleep and nap to relieve drowsiness.
- Naps can become problematic when they affect school
performance
- According to the National Sleep Foundation, an optimal nap is about twenty minutes long.
- This study analyzes the duration of naps of college students at the City College of New York, and if there is a correlation between nap duration and academic performance.
- We hypothesized students who take shorter naps or no naps at all will perform better academically.


## Methods

- This study consisted of 6 questions on Google Forms survey which took place on City college Campus.
- Data was collected on cellular device in the music library, cafeteria, and courtyard.
- The disclaimer stated that
questions are optional to answer.
- 58 students all above 18 years old.
- The survey analyzed participants (1) employment status, (2) commute length, (3) academic performance in high school and college, (5) nap duration, and (6) major/program part of.

- Students who received A grades, on average, napped 15 minutes.
- Students who had grades between A-B napped for 36 minutes and students who had grades between A-C napped for 45 minutes.
- Students whose grades were A-D, napped for 8 minutes.
- Participants who had a B grade had an average nap of about 79 minutes.
- Students with grades between B-C napped 45 minutes on average.
- Those with grades between B-D did not nap while participants with C grades napped for 38 minutes. Those who did not offer their grades napped for 4 minutes.


Discussion

- Shortest nap time is correlated with best grades, supporting the hypothesis.
- Not a direct relationship between naps and grades.
- Diverse majors (pull from STEM and social science), high school grades similar to college, over half had 1 hour commute, half of students had an occupation.
- Limitations include: small sample size, false reporting, no measure for sleep duration, and external psychological factors.
- Future studies would increase sample size, be on a different campus (suburban/rural), and test for individual class grades or sleep.

Citations
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