

Assignment 5. One sample population mean test

Work in pair. Write down your answers to all the questions. Show the instructor in class for credits.

Step 1: Form a population mean hypothesis about class of 2026 at Bryant. Your hypothesis should use “More than” or “less than”. For example: On average, class of 2026 sleep less than 8 hours a day. Write down both the null hypothesis (H_0) and the alternative hypothesis (H_1).

Step 2. Collect data to test the hypothesis

- Design a survey: You should ask a “numeric” question. In the previous example, a question could be: On average, how many hours do you sleep a day?
- Follow this instruction to create a qualtrics account

<https://is.bryant.edu/services/administrative-and-business/reporting-and-analytics/qualtrics/how-to-create-a-qualtrics-account>

- Send a link to

Step 3: Respond to ALL surveys of your classmates

Step 4: Collect the data from your survey

Step 5: Input the data to Minitab to run the test for your hypothesis

Step 6: Report the result of the test
