

W203 Week 8 Lab 2

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Part 1: Multiple Choice

1. a - Bar Graphs
2. c -

$$H_0 : \mu = \mu_0; H_a : \mu > \mu_0$$

3. f - none of the above
4. e - Type II error will go up, Power will go down
5. e - Raise the variable to a power greater than 1
6. b - The standard deviation of Berkeley student ages is 2 years
7. d - What is the probability of the data we observe, assuming that the null hypothesis is true
8. c - Assuming your null hypothesis is actually true, and you were to repeat the experiment a large number of times, you would expect a type 1 error 4% of the time.
9. a - Normal sampling distribution of the test statistic.
10. f - None of the above