Stat Quiz 5 Viktor Nanda
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1.

a) One way T-test

b) $H_0 = 13.5$ or more
$H_a < 13.5$
$t < -1.415$ $df = 7$

c) $p = 0.07 > 0.05$
Take null thypothesisl but if cirpical point of 13.5 p vake is in 0.05-0.10

2. $(5.1517 \cdot 10^6, 5.3283 \cdot 10^6)$

3. a) Two Sample T-test
b) $t = 1.5273$ $|t| > 1.33$ ✓
True
c) Reject Null thypothesis
d) Test/Sample

4. a) Pair T-Test

b) $t = -3.490935$

c) $|t| > 2.3646$

c) $p = 0.01 < 0.05$ ✓

Reject Null Hypothesis

d) is slower/less effective

5. a) 14.4535

b) $|t| > 10.64$

c) Independent