

Stat 201: Statistics I

StatCrunch: Chapter 8



Chapter 8

Hypothesis Testing

Section 8.1

Basics of Hypothesis Testing

Hypothesis tests for a proportion in StatCrunch

- Stat → Proportion Stats → One Sample → With Summary
- Enter “# of successes” and “# of observations”
- Select “Hypothesis test for p”
- Enter the appropriate values for null and alternative hypotheses.
- Click “Compute!”
- The test statistic and p-value are found in “Z-Stat” and “P-value”

Section 8.2

Testing a Claim About a Mean

Hypothesis tests for a mean in StatCrunch

- Stat → T Stats → One Sample → With Summary
(or → With Data)
- Enter “Sample mean”, “Sample std. dev.” and “Sample size”
(or select column which contains data)
- Select “Hypothesis test for μ ”
- Enter the appropriate values for null and alternative hypotheses.
- Click “Compute!”
- The test statistic and p-value are found in “T-Stat” and
“P-value”