

# Stat 201: Statistics I

## Week 8 StatCrunch



# Week 8

## Hypothesis Testing

## Section 8.1

### More on Confidence Intervals

# Find needed sample size for proportion with StatCrunch

- Stat → Proportion Stats → One Sample → Width/Sample Size
- Enter “Confidence level” if different than 0.95.
- Enter estimated  $\hat{p}$  as “Target Proportion”
- Enter twice desired margin of error as “Width”
- Click “Compute!”
- The needed sample size is found in “Sample size”

# Find needed sample size for mean with StatCrunch

- Stat → Z Stats → One Sample → Width/Sample Size
- Enter “Confidence level” if different than 0.95.
- Enter estimated or given standard deviation as “Std. dev.”
- Enter twice desired margin of error as “Width”
- Click “Compute!”
- The needed sample size is found in “Sample size”