

# Stat 201: Statistics I

## Week 7 StatCrunch



# Week 7

## Estimating Population Parameters

## Section 7.2

### Confidence Intervals

# Confidence intervals of proportions in StatCrunch

- Stat → Proportion Stats → One Sample → With Summary
- Enter “# of successes” and “# of observations”
- Select “Confidence interval for p”
- Enter confidence level if different than 0.95.
- Click “Compute!”
- The confidence interval is found in “L. Limit” and “U. Limit”

# Confidence intervals of means in StatCrunch

- Stat → T Stats → One Sample → With Summary **or** With Data
- For summary statistics (With Summary): Enter “Sample mean”, “Sample std. dev.” and “Sample Size” (not degrees of freedom)
- For data set (With Data): Select column which contains data
- Select “Confidence interval for  $\mu$ ”
- Enter confidence level if different than 0.95.
- Click “Compute!”
- The confidence interval is found in “L. Limit” and “U. Limit”