

M358K: Topics for the Final Exam

- ☐ Bar plots and pie charts.
- ☐ Histograms: modality, skewness.
- ☐ Measures of center: mean, median.
- ☐ Measures of spread: IQR range, variance, standard deviation.
- ☐ Box plots.
- ☐ Stacked dot plots.
- ☐ Sampling.
- ☐ Experiments.
- ☐ The sample mean: the normal case
- ☐ Point estimates and sampling variability.
- ☐ Confidence intervals: the general principles
- ☐ Confidence intervals: the normal case with an unknown mean and known standard deviation
- ☐ Hypothesis testing: the general principles
- ☐ Hypothesis testing: the normal case with an unknown mean and known standard deviation
- ☐ The power of the test.
- ☐ A single proportion: Confidence intervals.
- ☐ A single proportion: Hypothesis testing.
- ☐ Two proportions: Confidence intervals.
- ☐ Two proportions: Hypothesis testing.
- ☐ The χ^2 -distribution.
- ☐ The goodness-of-fit test.
- ☐ The χ^2 -test of independence.
- ☐ t-procedures: Single mean: Confidence intervals.
- ☐ t-procedures: Single mean: Hypothesis testing.
- ☐ t-procedures: Two means: Confidence intervals.
- ☐ t-procedures: Two means: Hypothesis testing.