M358K: Topics for In-Term Three

☐ Hypothesis testing: the general principles

☐ Hypothesis testing: the normal case with an unknown mean and known standard deviation (left-sided)

☐ Hypothesis testing: the normal case with an unknown mean and known standard deviation (right-sided)

☐ Hypothesis testing: the normal case with an unknown mean and known standard deviation (two-sided)

☐ 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.