

M358K: Topics for In-Term Two

☐ Experiments.

☐ The standard normal distribution.

☐ The normal distribution.

☐ 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 (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.
