

# Statistical Inference Lecture 1

*Tuesday 2 April 2024 11:05 (1h 25m)*

Plan for Lectures 1 and 2:

- Quick review of probability, frequentist vs. Bayesian approaches
- Parameter estimation, maximum likelihood, asymptotic properties of MLEs
- Hypothesis tests –general formalism, p-values
- Confidence intervals from inversion of test, from likelihood function
- General analysis including nuisance parameters, asymptotics

**Presenter:** COWAN, Glen (RHUL)