Part 6

MODELLING THE BEHAVIOUR OF SAMPLE AVERAGES: INTERVAL ESTIMATING

- $\overline{Y}$ as a random variable.

- The set of all possible samples.

- Modelling the behaviour of $\overline{Y}$:
    - Probability modelling;
    - Statistical modelling;
    - Design-based modelling.

- The mean of $\overline{Y}$.

- The standard deviation of $\overline{Y}$:
    - Infinite 'populations.'

- Confidence intervals:
    - t distributions;
    - K distributions.

- Modelling measurement error
    - Measuring inaccuracy;
    - Measuring imprecision.

- Sampling protocols beyond EPS.

Part 6 Table of Contents

2010‑06‑20   †Handout to be distributed in class