5 Sampling variability – Part 1 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 the natural variation in a statistic (like the sample mean) from one sample to the next, just by chance.
2.2 how much a statistic bounces around over many samples (its distribution).
2.3 on the true population value.
2.4 it reduces the variability, giving a more reliable, closer estimate.
2.5 each sample happens to include different individuals, so their values (and the mean) differ by chance.