

5 The central limit theorem – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 for a large sample, its distribution is approximately normal, centered on the population mean.

2.2 the population does not have to be normal –it works even for skewed data.

2.3 it becomes narrower and closer to a normal (bell) shape.

2.4 because the sample mean is approximately normal, we can use the bell curve to judge how confident we are in estimates (making inference possible).

2.5 the sample mean (not the individual data values).