

Solutions

Each answer shows the steps, then the **result**.

2.1

- a poor method can make the data unrepresentative, so the conclusions are invalid

2.2

- a systematic tendency for a sample to misrepresent the population

2.3

- a random (representative) sample

3.1 B

3.2 B

3.3

(a)

- no

(b)

- bias (undercoverage — gym-goers are not typical)

(c)

- no