

Chapter 2 Wrap-Up, page 136

- (a) teenagers in your community
(b), (c) smoking habits, qualitative; taxation levels, quantitative
(d) continuous
- simple, systematic, stratified, multi-stage, random sampling
- (a) simple (b) stratified (c) systematic
- (a) sample (b) census (c) sample
- (a) Perspective buyers at a local car dealership

Chapter 2 Test, page 138

- (a) room temperature, humidity, sunlight
- (a) stratified (b) systematic (c) multi-stage
(d) systematic (e) cluster

Chapter 3

3.1 Exercises, page 146

- (a) left-skewed
(b) mound-shaped, symmetric
(c) left-skewed
(d) U-shaped, bimodal, symmetric
(e) uniform, symmetric
(f) right-skewed
- (a) year on a penny (b) top 100 films
(c) bowling scores (d) electric bill
(e) cheap seats at the stadium (f) gestation period of animals
- If the bin is too narrow, it will show spaces.
- Answers may vary. For example:
(a) 2 (b) 0.2 (c) 20 (d) 1
- Answers may vary. For example:
(a) 4.5–6.5, 6.5–8.5, 8.5–10.5, 10.5–12.5, 12.5–14.5
(b) 0.115–0.315, 0.315–0.515, 0.515–0.715, 0.715–0.915, 0.915–1.115
(c) 111.5–131.5, 131.5–151.5, 151.5–171.5, 171.5–191.5, 191.5–211.5
(d) –3.05 to –2.05, –2.05 to –1.05, –1.05 to –0.05, –0.05 to 0.95, 0.95 to 1.95

