

1. D – the black box
2. A – inferential statistics
3. B – from a published source
4. A – nonresponse bias
5. C – implementing new business practices based on the results of a study
6. A – observational study
7. D – any subset of the population
8. B – the value
9. A – descriptive statistics
10. A – selection bias
11. B – Homes using solar power **may** have lower utility bills than homes using only gas and electricity
12. D – 111mph
13. A – 10
14. A – 2.82
15. A – 4%
16. C – predictions are made about a larger set of data
17. B – 0.18
18. C – range
19. A – Histogram
20. D – The range is at least 41 but at most 79