# STATISTICS

1. C
2. C
3. D
4. C
5. D
6. B
7. A
8. B
9. D
10. A
11. C
12. D
13. D
14. A
15. B

# MACHINE LEARNING

1. D
2. D
3. A
4. A
5. B
6. B
7. A
8. D
9. A
10. A
11. D

12. Yes , the K means clustering is sensitive to outliners because the mean is easily influenced by extreme values.

13. It scales to larger data like guarantees convergence, can warm start the positions of centroids and generalizes to clusters of different sizes and shapes.

14. No,  K - means starts with a random set of data points as centroids. This random selection influence the quality of resulting cultures that's why each run of this Algorithm for the same data set gives different output.