MACHINE LEARNING ASSIGNMENT 2

Q1 TO Q11 OBJECTIVE ANSWERS

Q1. d) 2 and 3

Q2. d) 1, 2 and 4

Q3. a) True

Q4. a) 1 only

Q5. b) 1

Q6. b) No

Q7. a) Yes

Q8. d) All of above

Q9. a) K-Means clustering algorithm

Q10. d) All of the above

Q11. d) All of the above

Q12 TO Q14 SUBJECTIVE ANSWERS

Q12. Yes, the k-means algorithm is sensitive to the outliers.

Q13. The k-means is better because it guarantees convergence, can warm-start the positions of centroids and easily adapts to new examples. The k-means clustering is used in a variety of examples or business cases in real life, like : 1. Academic performance 2. Diagnostic systems 3. Search engines 4. Wireless sensor networks.

Q14. No, k-means is not deterministic algorithm. It is non-deterministic.

THANK YOU