

Machine Learning Worksheet 3

Q1. d

Q2. d

Q3. c

Q4. b

Q5. d

Q6. c

Q7. d

Q8. a

Q9. a

Q10. a

Q11. a

Q12. b

Q13. Clustering is an emulation of this process so that machines are able to distinguish between different objects. It is a method of unsupervised learning since there is no external label attached to the object. The machine has to learn the features and patterns all by itself without any given input-output mapping. Clustering is important in data analysis and data mining applications. It is the task of grouping a set of objects so that objects in the same group are more similar to each other than to those in other groups. A good clustering algorithm is able to identify clusters irrespective of their shapes.

Q14. Clustering is one example of how machine learning can help organizations improve processes by using meaningful data to inform changes. While embracing machine learning can be an overwhelming process for an organization, starting with a small pilot project can help pave the way for inspiring an entire organization to embrace the power of machine learning.