Lesson Tasks

Linear Regression

This machine learning algorithm is supervised.

What the algorithm does

In supervised machine learning you train the machine using data which is well labelled meaning the data is already tagged with an answer. (predictive model).

In which situations will it be most useful?

Because it’s a predictive model it can be used to forecast market trends, weather using past labelled data.

Examples of where this algorithm is used

In forecasting and predicting weather also be used to predict continuous values such as price (house prices) , Salary ,age, market trends etc.

K Means Clustering

Its Unsupervised learning.

This is where similar data is grouped and in doing so it gives insight into various application uses such as distinguishing tissue types in medical imaging, Netflix suggestion based on the genre and movies watched so far etc. This type of algorithm looks at patterns in behavior and records this, in doing so it can make suggestions.