Waleed Butt

SP18-BCS-170

ML Quiz 4

Briefly describe five dimension reduction techniques.

Solution

Dimensionality reduction is done to reduce the number of features from our data. This is because there are certain features in our data that do not play any role in predicting the output. So, we remove such data.

We use different techniques to modify our data. These techniques can be broadly categorized into two categories. Feature Selection and Feature Extraction. In Feature Selection we select the necessary features and drop the remaining while in feature extraction, we update the features in a manner that they are useful for learning and do not change the behavior of data.