To implement RBF network for classification Radial Basis Frenction (RBF) algorithm: a position the RBF centres by either - using the k-means algorithm to initialize the possitions of the RBF centres - setting the RBF centres to be randomly chosen datapoints \* Calculate the actions of RBF node using  $g(x, \omega, \sigma) = \exp\left(-\frac{\|x - \omega\|^2}{2}\right)$ 4 Train the output weight by her: - using the Perceptson ceasing algorithm computing pseudo inverse of the activation, of the RBF centres. The activation of the cuclidean distance of the input Wester and a certain vector. The final layer doesn't use the given activation function, unstead it linearly & combines the output of previous newrony.

ML - Week - 7- Observation

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