**Week – 3**

**1.Complete SVM Maths and K-Means Maths**

**2.PCA**

1. https://builtin.com/data-science/step-step-explanation-principal-component-analysis
2. https://towardsdatascience.com/a-one-stop-shop-for-principal-component-analysis-5582fb7e0a9c
3. https://www.youtube.com/watch?v=FgakZw6K1QQ
4. <https://medium.com/@raghavan99o/principal-component-analysis-pca-explained-and-implemented-eeab7cb73b72>
5. Go through the Math for Machine Learning book if needed, it has a pretty good explanation for the math behind PCA

**3.Neural Networks(Only Forward Propagation)**

1. <https://towardsdatascience.com/forward-propagation-in-neural-networks-simplified-math-and-code-version-bbcfef6f9250>
2. <https://towardsdatascience.com/understanding-neural-networks-19020b758230>
3. <https://www.innoarchitech.com/blog/artificial-intelligence-deep-learning-neural-networks-explained>
4. <https://blog.quantinsti.com/forward-propagation-neural-networks/>
5. <https://towardsdatascience.com/coding-neural-network-forward-propagation-and-backpropagtion-ccf8cf369f76>
6. <https://www.districtdatalabs.com/nlp-research-lab-part-3-forward-propagation-1>
7. <https://ml-cheatsheet.readthedocs.io/en/latest/forwardpropagation.html>
8. <https://www.youtube.com/watch?v=x_Eamf8MHwU>

**Other Resources-**

**1. Statquest**

**2. Stanford Machine Learning Course**