The following are a few Reference Material Links that will help you get more idea about the topics that are going to be discussed:

- Overview of unsupervised learning

https://machinelearningmastery.com/supervised-and-unsupervised-machine-learning-algorithms/

https://in.mathworks.com/discovery/unsupervised-learning.html

+ Structure discovery (including PCA)

https://en.wikipedia.org/wiki/Principal_component_analysis

https://www.dezyre.com/data-science-in-python-tutorial/principal-component-analysis-tutorial

- K Means

https://en.wikipedia.org/wiki/K-means_clustering

https://www.datascience.com/blog/k-means-clustering

- Simple other clustering schemes (Agglomerative and Divisive)

https://en.wikipedia.org/wiki/Hierarchical_clustering

http://www.improvedoutcomes.com/docs/WebSiteDocs/Clustering/Agglomerative_Hierarchical_Clustering_Overview.htm

http://sites.stat.psu.edu/~ajw13/stat505/fa06/19_cluster/06_cluster_versus.html

- ISOMAP and Data Visualization

http://www.deeplearningitalia.com/en/manifold-based-tools-isomap-algorithm/

https://en.wikipedia.org/wiki/Data_visualization

- tSNE and Data Visualization

https://indico.io/blog/visualizing-with-t-sne/

https://lvdmaaten.github.io/tsne/