- What is unsupervised ML? How does it differ from supervised methods? (slide 2)

- What are the typical tasks involved with unsupervised ML? (slide 3)

- What are the different types of clustering methods? How to do they differ from each other? (slide 4, 5)

- What is the underlying principle of K-Means? What are centroids? What is this method mainly based on? What are the examples you could apply K-Means? Discuss with your classmates. (slide 8-16)

- What is the underlying principle of Gaussian Mixture Model? What is this method mainly based on? What are the examples you could apply Gaussian Mixture Model? Discuss with your classmates. (slide 17-25)

- What is the underlying principle of Hierarchical clustering? What are dendrograms? What is this method mainly based on? What are the examples you could apply Hierarchical clustering? Discuss with your classmates. (slide 33-36)

- Why do we need data visualisation? What are the existing methods for data visualisation? (slide 38)

- What is PCA? (slide 39)

- What is Manifold Embedding? (slide 40)

- What is tSNE? (slide 42)

- What happens in dimensionality reduction and what are the examples? (slide 45)

- What is the difference between ICA and PCA? (slide 47)

- What is semi-supervised learning? (slide 49)