

COMP5318 Machine Learning & Data Mining

1. How to contain 90% information of PCA?
2. SVD: how many singular values should be retain?
3. Give examples of all types of outlier.
4. Calculate distance about SVM. (just calculate Euclidean distance between dots)
5. How k-means algorithm works?
(discuss it in different ways, because initial means may affect whether it can converge or not(cost function))
6. Calculate naïve Bayes. (table examples)
7. How logistic regression works.
8. How confusion matrix works?
9. Deep learning is new content added in this semester, so how neural network works and how to make deep learning work should be included as well.