

Workshop 4

# **Sentiment Analysis**

# Task

- Construct a Naïve Bayes classifier for movie review using the following feature extraction algorithms.
  - Bag of Words
  - TF-IDF
- Try different train/test splitting ratios. e.g. 70:30, 80:20 and 90:10.
  - Evaluate the models (precision, recall, f1 score)
  - Generate the confusion matrix
  - Record your findings, analyze and compare the model performance in your own words.