



316 Group Project

- requirement:
 - As part of the group decisions, each student will be allocated to one of the following tasks:
 - Descriptive analysis of the dataset + Error analysis
 - Preprocessing + Literature review
 - Implementation + Results
- Analysis
 - Data Collection and Preparation
 - the sentiment dictionary
 - Lexicon
 - Negation rule
 - Capitalisation rule
 - Intensifier rule
 - Diminisher rule
 - Exclamation rule
 - 😐 ? ? (keep or delete)
 - Intensifier
 - Exclamation
 - Feature Extraction and Representation
 - **cross-validation:**

- Model Selection and Training

- Bayes,

- naive Bayes : likelihood

- should we need apply a **smoothing** technique

$$p(t_j|s_i) = \frac{\text{count}(t_j, s_i) + 1}{\text{count}(s_i) + |V|}$$

- support vector machine (SVM),

- logistic regression,

- deep neural network,

- Sorting and categorising through fractions

- Type Evaluation and Tuning

- key question:

- the sentiment dictionary

- sorting (Dealing with adjectives and adverbs of degree)

- neural network or the model choose

- Relevant methods

- Bing Liu's model