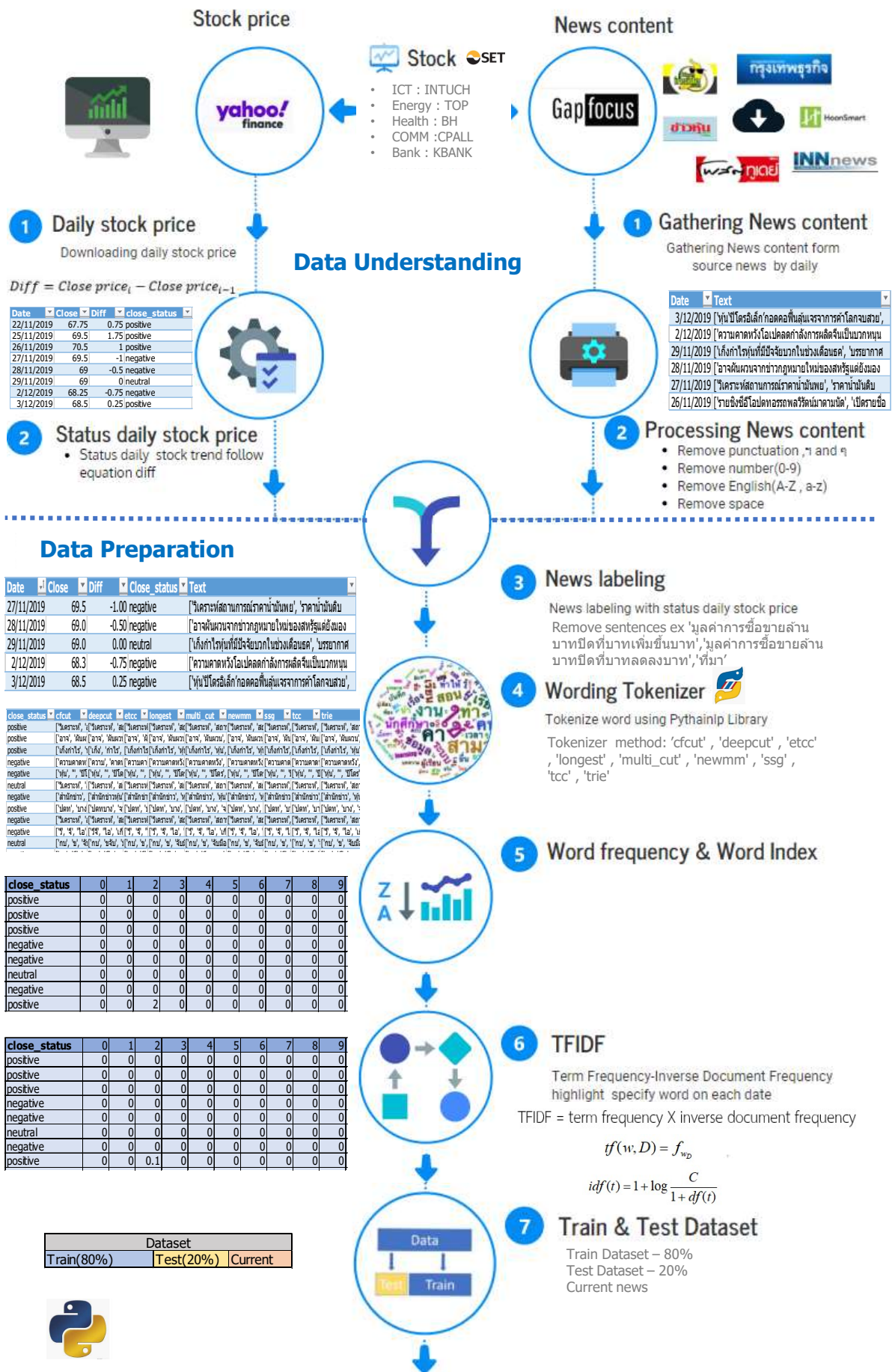


The prediction of the daily stock price trends from news by natural language processing



Modeling

Actual	Predicted	
	Positive	Negative
	Positive	Negative
Positive	TP	FN
Negative	FP	TN

Evaluation

Deployment



8 Classification model

- K-neighbors Classifier
- Logistic Regression
- Gradient Boosting Classifier
- Random Forest Classifier
- AdaBoost Classifier
- Support Vector Machine (SVM)
- XGB Classifier

$$\text{Accuracy} = \frac{TP+TN}{TP+FP+TN+FN}$$



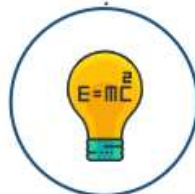
9 Wording Tokenizer

To repeat 5 times for selecting the Tokenizing method that have the best accuracy



10 Classification model

To repeat 5 times for selecting the Classification model that have the best accuracy



11 Prediction

Predicting currently stock trends

- แนวโน้มหุ้นเป็นบวก(Positive)
- แนวโน้มหุ้นเป็นลบ(Negative)
- แนวโน้มหุ้นเป็นกลาง(Neutral)

