## Reproducing Pang & Lee (2002) on the Movie-Reviews Corpus

Debei — July 2025

## 1 Corpus & Experimental Setup

Item	Specification		
Corpus	movie_reviews (1000 pos/1000 neg)		
Fold scheme	CVNNN_%10 $\Rightarrow$ 10 folds, each 100 pos / 100 neg		
Text prep	lower-case; collapse whitespace; no stemming; punctuation		
	as token delimiters		
Hardware	Colab CPU or local machine		
Software	Python 3.11, scikit-learn, NLTK, pandas, numpy		

## 2 Baseline Results (Original Settings)

Model	Vectoriser	Hyper-parameters	Accuracy
Naïve Bayes	Unigram presence	$\alpha = 1$	0.821
MaxEnt (LogReg)	Unigram presence	C = 10000	0.865
Linear SVM	Unigram presence	C = 1	0.849