Detecting Fake News with Supervised Learning

Benjamin R. Perucco

December 30, 2020

-1	\mathbf{T}	C	• ,	•	
	1)	efin	11	- 1	α n
	L	cm	. 1. ч	JL	CL

- 1.1 Project Overview
- 1.2 Problem Statement
- 1.3 Metrics
- 2 Analysis
- 2.1 Data Exploration
- 2.2 Algorithms and Techniques
- 2.2.1 n-gram Model
- 2.2.2 Term Frequency Model
- 2.2.3 Inverse Document Frequency Model
- 2.3 Benchmark
- 3 Methodology
- 3.1 Data Preprocessing
- 3.2 Implementation
- 3.3 Refinement
- 4 Results
- 4.1 Model Evaluation and Validation
- 4.2 Justification
- 5 Conclusion
- 5.1 Reflection
- 5.2 Improvement