

Textbusters: Detecting LLM-Generated Text

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Team Introduction



Elia Yakin



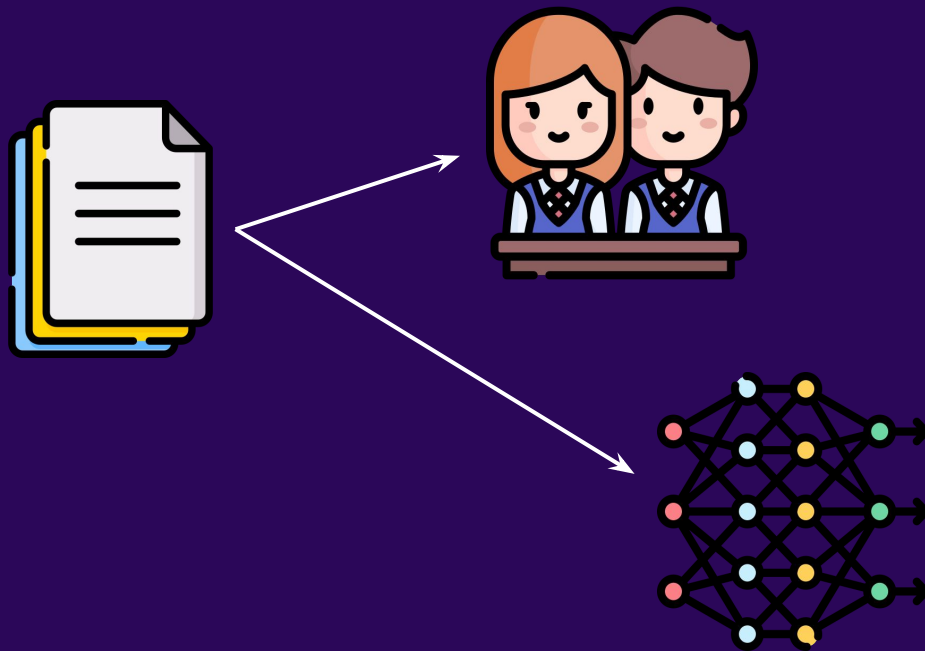
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Overview

1. The Challenge
2. Provided Data
3. Competition Constraints
4. Our Strategy
5. Architecture
6. Results
7. Conclusions

The Challenge

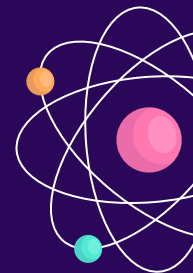
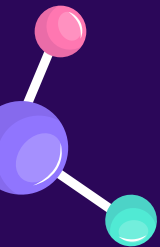


Provided Data

- Train set of:
 - 1,375 essays written by students
 - **3** essays written by LLMs
- Test set of about 8,600 instances

Competition Constraints

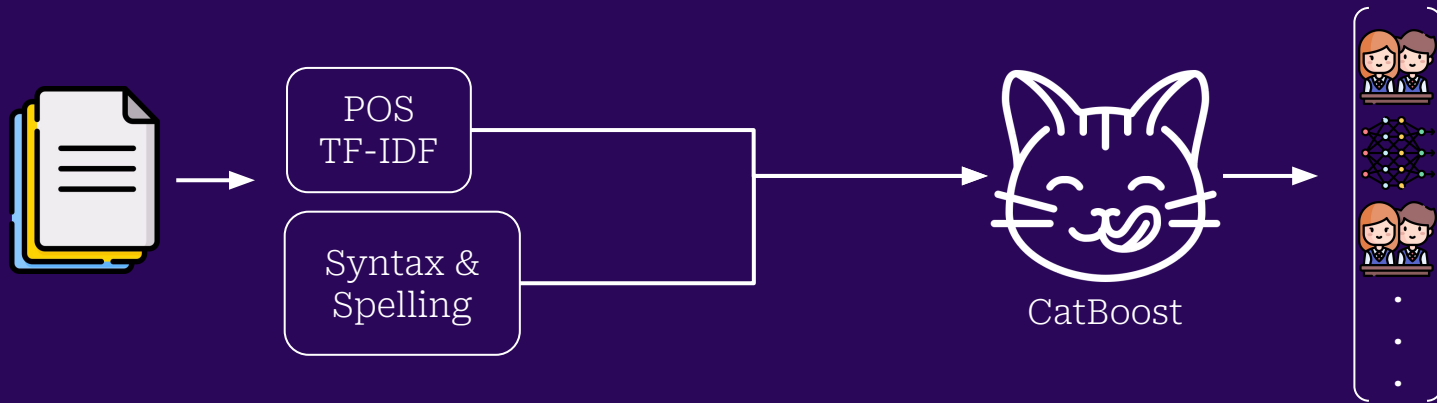
- Submission run-time ≤ 9 hours
- Submission independent of internet access



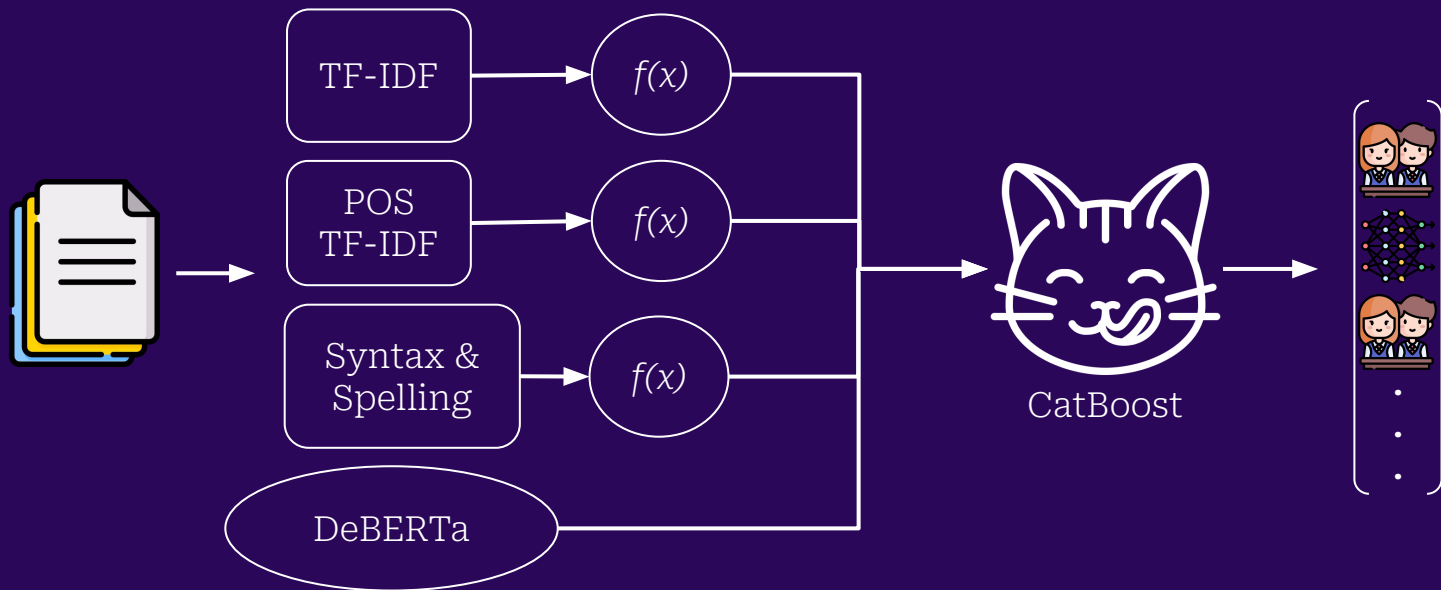
Our Strategy

- Using multiple methods to enhance our learning
- Lean pipeline
- Starting with public data
- Prioritizing syntax over semantics
- Misspelled words as a main model feature

Initial Architecture



Final Architecture



Results

0.83













Public Score

0.74

Private Score

67%

Rank Percentile

#	Team	Members	Score	Entries
1		  	0.987...	331
2	Guanshuo Xu		0.983...	74
3	nlp team	   +3	0.974...	280
4	Ertugrul & Chase	 	0.973...	399
5	Linguistic Ninjas	   +3	0.972...	289
6	Davide Cozzolino		0.969...	33
7	Hao Mei		0.965...	78

Conclusions

- Teams - it's complicated
- Submission, submission, submission!
- Discussion, discussion, discussion!

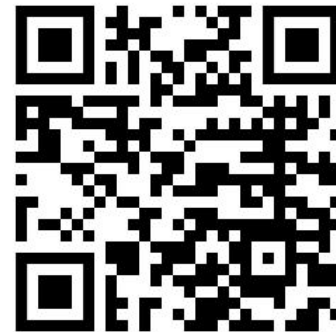


Thank you :)

Elia Yakin



Yasmin Zakaim



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