Claim Detection in Tweets

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Outline

- Introduction
- Research Questions
- Methodology
- Experiments
- Conclusion

Misinformation

 Misinformation: false information that is spread, regardless of whether there is intent to mislead

• **Fact-Checking**: the action of confirming the truth of an claim

• Claim: an assertion of something as a fact

BREAKING: Wisconsin has more votes than people who are registered to vote.

Total number of registered voters: 3,129,000

Total number of votes cast: 3,239,920

This is direct evidence of fraud.

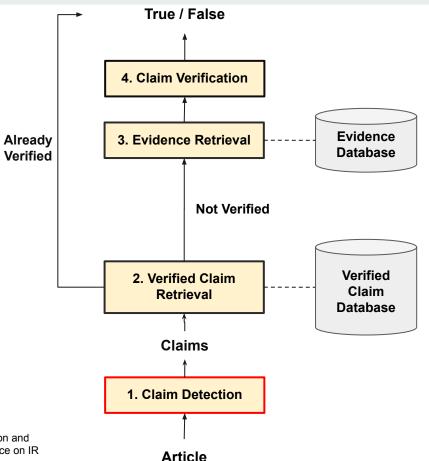


fact check by Politifact

Automatic Fact-Checking pipeline

Machines require a standard process

• Each stage can be a independent subtask



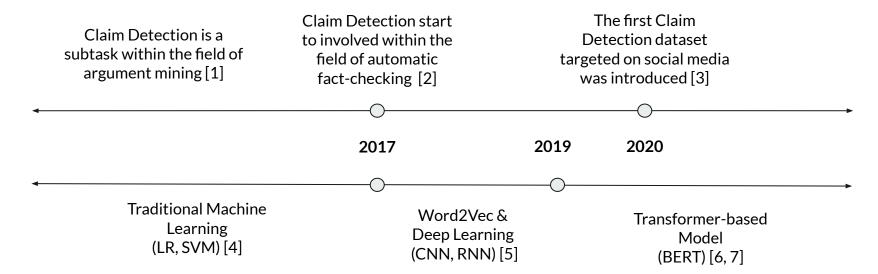
[1] Alberto Barrón-Cedeño, et al. 2020. CheckThat! at CLEF 2020: Enabling the Automatic Identification and Verification of Claims in Social Media. In Advances in Information Retrieval: 42nd European Conference on IR Research, ECIR 2020

y

Why Tweet

- No limit when posting on Social Media
- Plenty amount of Social Media post
- Nowadays, people consume information from social media heavily
- Dataset are mostly Tweet

Introduction Related Work



^[1] Ehud Aharoni, et al. 2014. A Benchmark Dataset for Automatic Detection of Claims and Evidence in the Context of Controversial Topics. ACL.

^[2] Naeemul Hassan, et al. 2017. Toward Automated Fact-Checking: Detecting Check-worthy Factual Claims by ClaimBuster. ACM.

^[3] Shaden Shaar, et al. 2020. Overview of CheckThat! 2020 English: Automatic Identification and Verification of Claims in Social Media. CLEF 2020 Working Notes.

^[4] R Levy, et al. 2014. Context Dependent Claim Detection, ACL

^[5] Johannes Daxenberger, et al. 2017. What is the Essence of a Claim? Cross-Domain Claim Identification.ACL..

^[6] Check square at CheckThatl 2020: Claim Detection in Social Media via Fusion of Transformer and Syntactic Features

^[7] Shreya Gupta, et al. 2021. LESA: Linguistic Encapsulation and Semantic Amalgamation Based Generalised Claim Detection from Online Content. EACL.

Claim Detection in Tweets

• Given a tweet, determines whether it contains any claims.

data:

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today. This was a very special moment for all Barbadians and I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines.

https://t.co/cSCb40c2mt



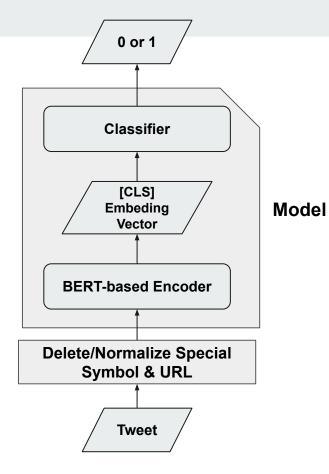
label: 1 (contain claim)

Introduction Current Approach

• BERT-based Encoder + Classifier structure

Some simple data preprocess(Delete/Normalize Special Symbol & URL)

Bert-based Encoder for capturing semantic features

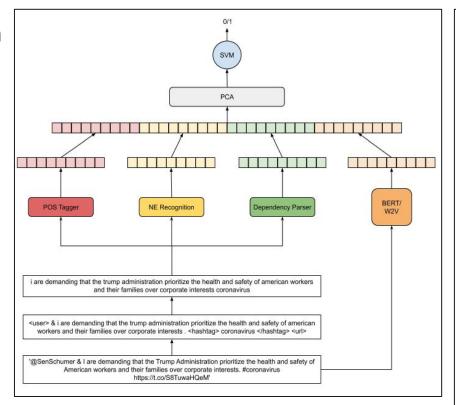


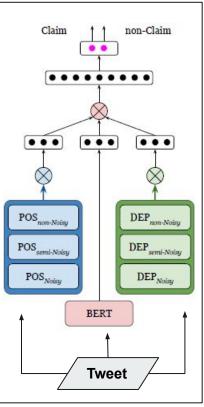
^[1] Overview of the CLEF-2022 CheckThat! Lab Task 1 on Identifying Relevant Claims in Tweets

^[2] Amelie Wührl and Roman Klinger. 2021. Claim Detection in Biomedical Twitter Posts. In Proceedings of the 20th Workshop on Biomedical Language Processing, Association for Computational Linguistics.

Introduction Current Approach

 Some also consider syntatic features





^[1] Check_square at CheckThat! 2020: Claim Detection in Social Media via Fusion of Transformer and Syntactic Features

- Tweet's noisy formatting
 - o url, @, #, emoji
 - o <u>informal writing style</u>

#Enugu govt takes delivery of #COVID19vaccines
Enugu State Government alongside Ebonyi and Anambra
states, on Thursday, took delivery of the first batch of
#oxfordastrazeneca COVID-19 vaccines from @NphcdaNG, at
Enugu Airport... https://t.co/srx1CWZqtK @Coal_City
#COVID19 https://t.co/PrO9GSiXuv

had someone on sc for 2 days before i deleted her ass. she had to have been on some stupid shit. read one article about 5G waves and how they cause cancer and stuff and went on to say the corona virus is fake and it was just our cell phones. is u stupid

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Research Question 1

Does reducing noise in the formatting of tweets help improve the performance of claim detection?

- Improper definition of Claim Detection
 - Binary classification on tweet-level
 - Claim may only be a part of tweet

Without exactly claim =>

Can't continue automatic fact-checking

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today. This was a very special moment for all Barbadians and I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines. https://t.co/cSCb40c2mt



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Research Question 2

Does reducing the inconsistency between the level of input and claim help improve the performance of claim detection?

MethodologyReducing Noise in the Formatting of Tweets

- url, @, #, emoj
- <u>informal writing style</u>

Rule-based approach to eliminate url, emoji, #

#Enugu govt takes delivery of #COVID19vaccines
Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took
delivery of the first batch of #oxfordastrazeneca COVID-19 vaccines from
@NphcdaNG, at Enugu Airport... https://t.co/srx1CWZqtK @Coal_City #COVID19
https://t.co/PrO9GSiXuv





Rule-based

Enugu govt takes delivery of COVID19vaccines

Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took delivery of the first batch of oxfordastrazeneca COVID-19 vaccines from NphcdaNG, at Enugu Airport... Coal_City COVID19

MethodologyReducing Noise in the Formatting of Tweets

- url, @, #, emoj
- informal writing style

• Rewrite by GPT to deal with abbreviation and informal writing style

<u>h</u>ad someone on <u>sc</u> for 2 days before <u>i deleted her ass</u>. <u>she had to have been on some stupid shit</u>. <u>read one article about 5G waves and how they cause cancer and stuff and went on to say</u> the corona virus is fake and <u>it was just our cell phones</u>. <u>is u stupid rewrite</u>:



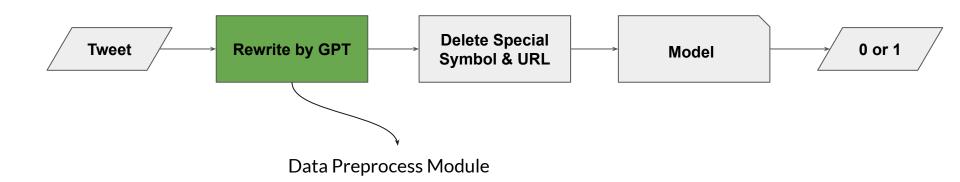




<u>I h</u>ad someone on <u>Snapchat</u> for two days before <u>I removed them</u>. <u>They must have been on some ridiculous nonsense</u>. <u>They read an article about 5G waves causing cancer and claimed that</u> the coronavirus was a hoax and <u>it was all because of our cell phones</u>. <u>Are they lacking intelligence?</u>

MethodologyReducing Noise in the Formatting of Tweets

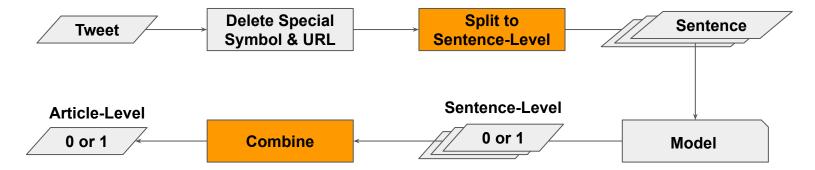
Training & Testing



Reducing the Inconsistency between the Level of Input and Claim

Split tweet into sentences when **Testing**

Testing



Reducing the Inconsistency between the Level of Input and Claim

Split tweet into sentences when **Testing**

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today. This was a very special moment for all Barbadians and I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines.



rule-based by NLTK

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today.

This was a very special moment for all Barbadians and I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines.

Reducing the Inconsistency between the Level of Input and Claim

• Leveraging SRL(Semantic Role Labeling), we can extract the semantic more precisely

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today. This was a very special moment for all Barbadians and I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines.



SRL by <u>AllenNLP</u>

India's gift of 100,000 COVID-19 vaccines arrived Barbados earlier today.

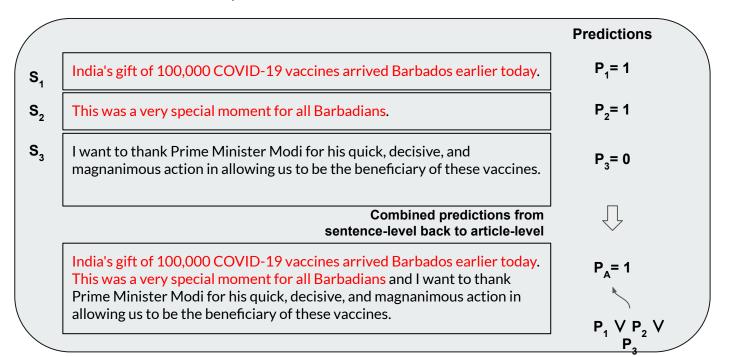
This was a very special moment for all Barbadians.

I want to thank Prime Minister Modi for his quick, decisive, and magnanimous action in allowing us to be the beneficiary of these vaccines.



Reducing the Inconsistency between the Level of Input and Claim

- How to combine the predictions of N sentences
 - One sentence is predicted as claim => The tweet contain claim

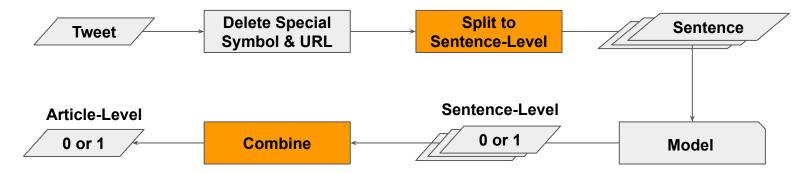


Reducing the Inconsistency between the Level of Input and Claim

Split tweet into sentences when **Testing**

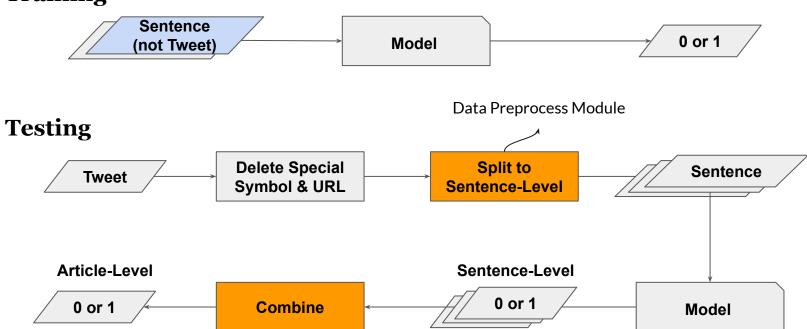
How about Training

Testing



Reducing the Inconsistency between the Level of Input and Claim

Training

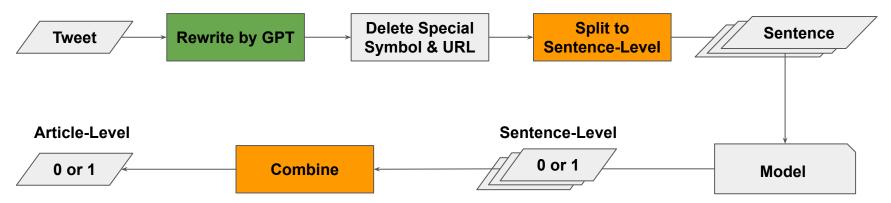


Combined

Training



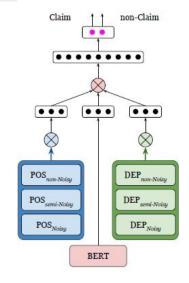
Testing



ExperimentsDataset

balanced the class via under-sampling

	# Data	Avg length	Data Source	Topic	Output Format	Percentage of claim
LESA[1]	9981 tweets	26.36	Twitter	covid-19	Binary	87.43%
CheckThatLab! 2022 task 1b [2]	4793 tweets	37.56	Twitter	covid-19	Binary	63.43%





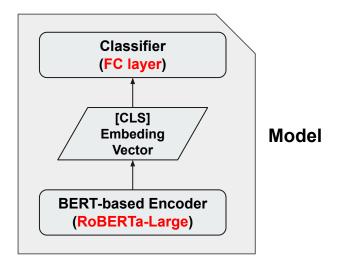
^[1] Shreya Gupta, et al. 2021. LESA: Linguistic Encapsulation and Semantic Amalgamation Based Generalised Claim Detection from Online Content. In Proceedings of the 16th Conference of the European Chapter of the Association for Computational Linguistics: EACL 2021

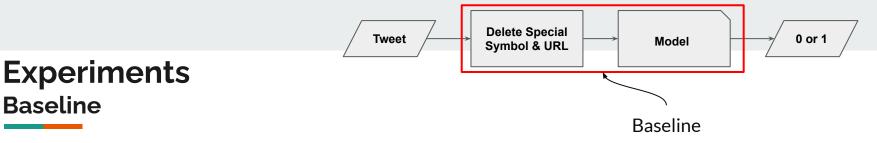
Experiments Setup

- Evaluation Metric
 - Accuracy
 - o F1 positive
 - o macro F1

$$\frac{F1_{positive} + F1_{negative}}{2}$$

- average of 3 runs
- epoch: 10





Delete URL, Emoji, '#', tail hashtag and tagging

#Enugu govt takes delivery of #COVID19vaccines
Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took
delivery of the first batch of #oxfordastrazeneca COVID-19 vaccines from @NphcdaNG,
at Enugu Airport... https://t.co/srx1CWZqtK @Coal_City #COVID19
https://t.co/PrO9GSiXuv



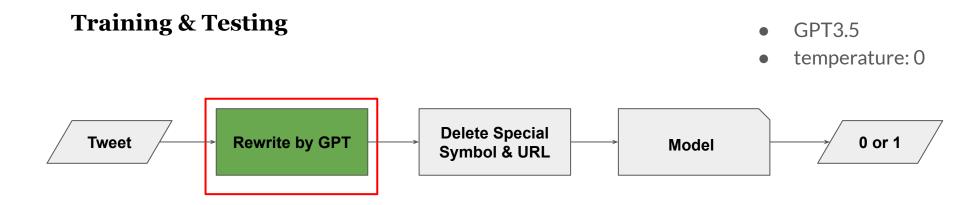
Rule-based Elimination

Enugu govt takes delivery of COVID19vaccines

Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took delivery of the first batch of oxfordastrazeneca COVID-19 vaccines from @NphcdaNG, at Enugu Airport...

Experiments

Different Prompt when Rewriting Tweets



- Verify if the rewrite of GPT helps
- Find the appropriate prompt for rewriting the tweet

ExperimentsDifferent Prompt when Rewriting Tweets

• Rewrite by simple command

Prompt	CheckTl	CheckThatLab! 2022 1b			LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1	
Baseline	0.738	0.80	0.711	0.772	0.858	0.635	
rewrite:	0.719	0.784	0.69	0.767	0.855	0.629	
explain:	0.689	0.759	0.66	0.779	0.865	0.634	
clarify:	0.726	0.789	0.7	0.756	0.848	0.609	
rephrase:	0.726	0.789	0.7	0.774	0.861	0.631	
normalize:	0.733	0.791	0.71	0.735	0.832	0.604	

Personally can recommend cocaine as a substitute if you cant find flour x #coronavirus #COVID19 https://t.co/Z1rMUAJQgV XXX:



Experiments

Different Prompt when Rewriting Tweets

Failed Case

So the cure for the virus is to inject ourselves with disinfectant?! Thank you @realDonaldTrump for saving the world..again! #TrumpPressConference #COVID19 #StayAtHome https://t.co/8atw9T9C2I rewrite:







& Rule-based Elimination

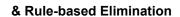
Thank you, @realDonaldTrump, for your efforts in addressing the COVID-19 pandemic during the TrumpPressConference. However, it is important to clarify that injecting ourselves with disinfectant is not a cure for the virus. It is crucial to follow the guidelines provided by healthcare professionals and StayAtHome to prevent the spread of COVID-19.

ExperimentsDifferent Prompt when Rewriting Tweets

Failed Case Improve

Please rewrite the following tweet in a way that makes it clearer and more understandable, without adding any extra information or interpretation: So the cure for the virus is to inject ourselves with disinfectant?! Thank you @realDonaldTrump for saving the world..again! #TrumpPressConference #COVID19 #StayAtHome https://t.co/8atw9T9C2I





Did I understand correctly that the suggested cure for the virus is to inject disinfectant into our bodies? Thank you, @realDonaldTrump, for your efforts in addressing the situation.

Prompt	CheckTl	atLab!	2022 1b	LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1
Baseline	0.738	0.80	0.711	0.772	0.858	0.635
Simple Command	0.733	0.791	0.71	0.779	0.865	0.634
Long Prompt	0.724	0.792	0.69	0.758	0.848	0.626

ExperimentsDifferent Prompt when Rewriting Tweets

Failed Case Improve

Please follow the guidelines to revise the cotent. 1. Correct any grammatical errors. 2. Remove hashtag. 3. Remove user mentioning. 4. Remove URL. 5. Remove emoji. 6. Expand the abbreviation. 7. Do not discard any name. 8. Do not change the syntactic structure. 9. Remove unnecessary punctuation.

So the cure for the virus is to inject ourselves with disinfectant?! Thank you @realDonaldTrump for saving the world..again! #TrumpPressConference #COVID19 #StayAtHome https://t.co/8atw9T9C2I



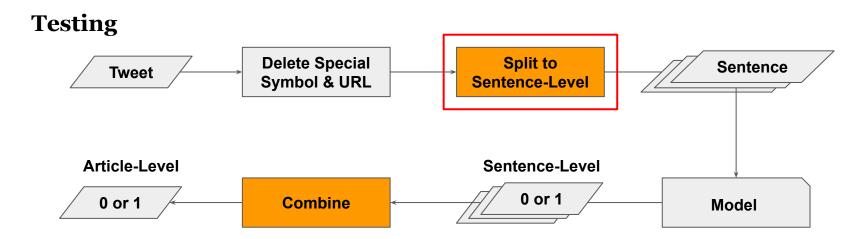
& Rule-based Elimination

So the cure for the virus is to inject ourselves with disinfectant? Thank you Donald Trump for saving the world again!

Prompt	CheckTh	iatLab!	2022 1b	2 1b LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1
Baseline	0.738	0.80	0.711	0.772	0.858	0.635
Simple Command	0.733	0.791	0.71	0.779	0.865	0.634
Long Prompt	0.724	0.792	0.69	0.758	0.848	0.626
Guidelines	0.715	0.782	0.684	0.76	0.849	0.633

ExperimentsSplit Tweets into Sentence-Level

 Verify if splitting tweets into sentence-level segments helps during testing



Split Method	CheckTh	natLab!	2022 1b	LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1
Baseline	0.738	0.80	0.711	0.772	0.858	0.635
Split by Rule- based	0.732	0.796	0.702	0.786	0.868	0.648
Extract by SRL	0.753	0.807	0.731	0.803	0.882	0.641

Testing Delete Special Symbol & URL Sentence-Level Model 0 or 1

Split Method	input	label	prediction
Without Split	Leader of the free world suggesting that mainlining disinfectant might cure coronavirus. Did I just dream that, surely nobody is actually that much of a dumbass that they would suggest it	1	0
Split by Rule-based	Leader of the free world suggesting that mainlining disinfectant might cure coronavirus.	-	1
	Did I just dream that, surely nobody is actually that much of a dumbass that they would suggest it	-	0
Extract by SRL	Leader of the free world suggesting that mainlining disinfectant might cure coronavirus.	-	1
	I just dream that, surely nobody is actually that much of a dumbass that they would suggest it.	(-)	0

Split Tweets into Sentence-Level

Tweet Special Symbol & URL Sentence-Level Model 0 or 1

ExperimentsSplit Tweets into Sentence-Level

Split Method	input	label	prediction
Without Split	thread i mostly talk about movies on here but here goes we are currently piv- oting our factory to solely make surgi- cal masks and other medical garments in short supply we can make 2 million masks a day and are looking to help in any way possible during this time covid19	1	0
Split by Rule-based	thread i mostly talk about movies on here but here goes we are currently piv- oting our factory to solely make surgi- cal masks and other medical garments in short supply we can make 2 million masks a day and are looking to help in any way possible during this time covid19	-	0

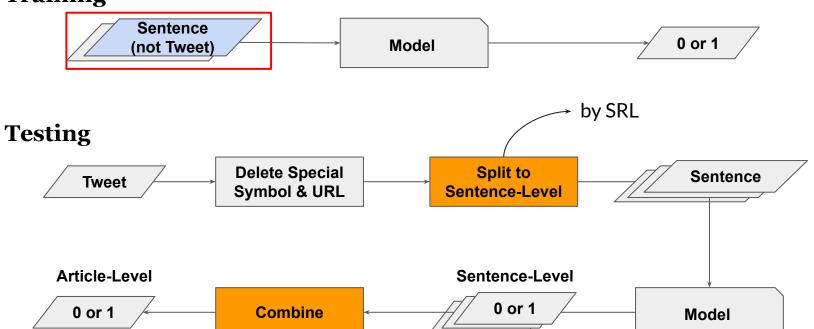
			0
Extract by SRL	i mostly talk about movies on here.	-	0
	we currently pivoting our factory to solely make surgical masks and other medical garments in short supply.	-	1
	we can make 2 million masks a day.	-	1
	we we looking to help in any way possible during this time covid 19	5	0

Experiments

Train with Sentence-Level Dataset

 Verify if using other sentence-level claim detection datasets to augment training helps

Training



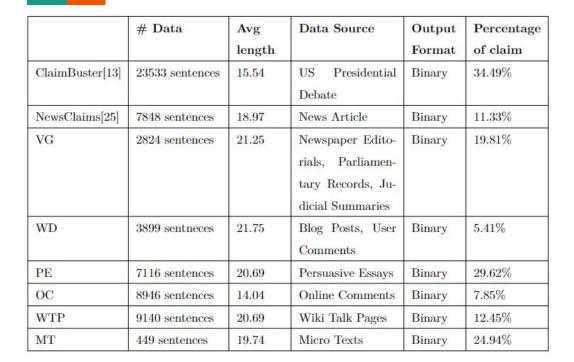
Training

Sentence

(not Tweet)

ExperimentsTrain with Sentence 1

Train with Sentence-Level Dataset



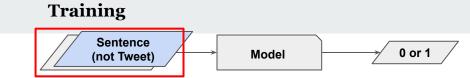
Model

 Balance the class via under-sampling

Not tweet

0 or 1

ExperimentsTrain with Sentence-Level Dataset



Dataset	CheckThatLab! 2022 1b			LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1
Original Dataset	0.753	0.807	0.731	0.815	0.891	0.645
ClaimBuster	0.744	0.82	0.689	0.671	0.788	0.56
NewsClaims	0.49	0.312	0.453	0.402	0.499	0.375
WD	0.487	0.394	0.38	0.394	0.375	0.276
WTP	0.568	0.678	0.437	0.678	0.757	0.462
VG	0.538	0.61	0.389	0.638	0.676	0.409
PE	0.412	0.077	0.322	0.135	0.034	0.126
OC	0.587	0.74	0.37	0.856	0.922	0.512
MT	0.434	0.154	0.356	0.148	0.063	0.139
	+					

ClaimBuster +	0.764	0.824	0.732	0.541	0.658	0.478
OC						
ClaimBuster +	0.745	0.804	0.719	0.458	0.569	0.418
OC + WTP						
ClaimBuster +	0.697	0.777	0.653	0.506	0.626	0.446
OC + WTP +						
VG						
LESA + Claim-	-	-	=	0.824	0.897	0.652
Buster						
CheckThatLab!	0.754	0.823	0.71	-	-	-
2022 1b + Claim-						
Buster + OC						

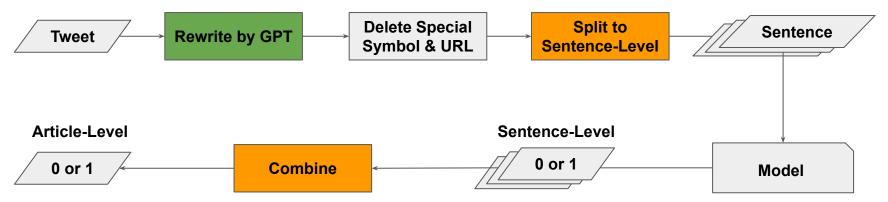
Combined

- Find out which combination performs the best
- Compare with SOTA and zero-shot by GPT

Training



Testing



Experiments Combined

zero-shot by GPT

Does the content provided below contain any claims? Please respond with either 'yes' or 'no'.

content: So the cure for the virus is to inject ourselves with disinfectant?! Thank you @realDonaldTrump for saving the world..again! #TrumpPressConference #COVID19 #StayAtHome https://t.co/8atw9T9C2I





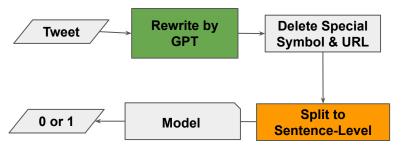
Yes

Experiments Combined

Training



Inference (Testing)



Pipeline	CheckThatLab! 2022 1b			LESA			
	Accuracy	F1	macro F1	Accuracy	F1	macro F1	
SOTA	0.761	_	==	_	0.89	0.67	
zero-shot by GPT	0.625	0.701	0.6	0.575	0.699	0.489	
Baseline	0.738	0.80	0.711	0.772	0.858	0.635	
Rewrite -> Model	0.733	0.791	0.71	0.779	0.865	0.634	
Split to Sentence-	0.753	0.807	0.731	0.803	0.882	0.641	
Level -> Model							
Rewrite -> Split	0.715	0.757	0.705	0.833	0.904	0.633	
to Sentence-Level							
-> Model							
	Training Dataset: With Sentence-Level Dataset						
Split to Sentence-	0.764	0.824	0.732	0.824	0.897	0.652	
Level -> Model							
Rewrite -> Split	0.707	0.784	0.662	0.862	0.924	0.57	
to Sentence-Level							
-> Model							

Conclusion

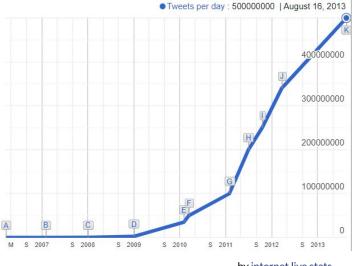
- RQ1 Does reducing noise in the formatting of tweets help improve the performance of claim detection?
 - The answer is still uncertain.
 - We cannot be sure that the rewriting of GPT successfully reduces the noise in the tweet's formatting.
 - Not blaming GPT, it may be because the prompt we are currently using is not precise enough.
- RQ2 Does reducing the inconsistency between the level of input and claim help improve the performance of claim detection?
 - From the observed improvement in all metrics after splitting the tweet into sentence-level units using SRL, it is evident that the answer is 'YES'.
 - The selection of suitable training dataset needs further research.
- We approach this task from a different perspective, identifying two issues and focus on resolving them: the noisy format of Tweets and the Inconsistency between input and claim.

Background

Insufficiency of Manual Fact-Checking

417 fact check organization by <u>Duke reporter LAB</u>

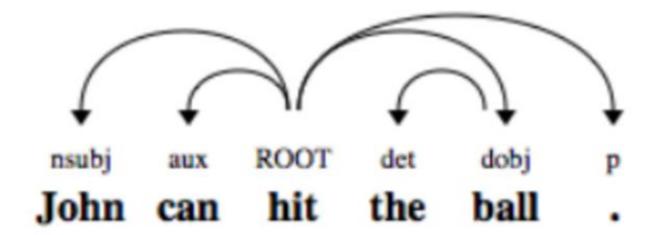
- 500 million tweets per day in 2013
- No more than 10 fact check report per day by <u>Politifact</u>



by internet live stats

Existing Work

DEP (Dependency Parsing)



Methodology

Address the Inconsistency Between the Level of Tweets and Claims

Leveraging SRL(Semantic Role Labeling), we can extract the semantic more precisely



Methodology

had someone on sc for 2 days before i deleted her ass. she had to have been on some stupid shit. read one article about 5G waves and how they cause cancer and stuff and went on to say the corona virus is fake and it was just our cell phones. is u stupid rewrite:







I had someone on Snapchat for two days before I removed them. They must have been on some ridiculous nonsense. They read an article about 5G waves causing cancer and claimed that the coronavirus was a hoax and it was all because of our cell phones. Are they lacking intelligence?



extract by SRL

I had someone on Snapchat for two days before I removed them.

They must been on some ridiculous nonsense.

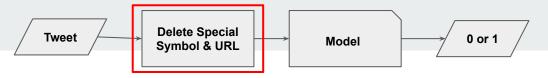
They read an article about 5G waves causing cancer

They claimed that the coronavirus was a hoax and it was all because of our cell phones.

they lacking intelligence.

Experiment Dataset

- CLEF CheckThatLab! 2022 subtask 1b [1]
 - Verifiable Factual Claim: a sentence claiming that something is true, and this can be verified using factual verifiable information such as statistics, specific examples, or personal testimony
- LESA [2]
 - Claim: state or assert that something is the case, with or without providing evidence or proof



Elimination of Special Symbols and URLs

Delete Symbols	CheckThatLab! 2022 1b			LESA			
	Accuracy	F1	macro F1	Accuracy	F1	macro F1	
Without Delete	0.745	0.805	0.719	0.761	0.85	0.625	
Delete URL	0.722	0.792	0.687	0.766	0.854	0.631	
Delete Emoji	0.736	0.80	0.705	0.762	0.851	0.625	
Delete '#'	0.728	0.794	0.696	0.768	0.856	0.628	
Delete '@'	0.733	0.797	0.703	0.729	0.823	0.601	
Delete tail hash- tag and tagging	0.749	0.808	0.723	0.761	0.85	0.629	
Delete URL, Emoji, '#', tail hashtag and tag- ging (Baseline)	0.738	0.80	0.711	0.772	0.858	0.635	

RT @23Juliebug: If you've ridden the boat shoot at Lake Winnie, you're immune to the Corona Virus.

Elimination of Special Symbols and URLs

Delete '#', '@'

#Enugu govt takes delivery of #COVID19vaccines Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took delivery of the first batch of #oxfordastrazeneca COVID-19 vaccines from @NphcdaNG, at Enugu Airport... https://t.co/srx1CWZqtK @Coal_City #COVID19 https://t.co/PrO9GSiXuv



Rule-based

Enugu govt takes delivery of COVID19vaccines Enugu State Government alongside Ebonyi and Anambra states, on Thursday, took delivery of the first batch of oxfordastrazeneca COVID-19 vaccines from NphcdaNG, at Enugu Airport... https://t.co/srx1CWZqtK Coal_City COVID19 https://t.co/PrO9GSiXuv

Delete tail hashtag and tagging

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Elimination of Special Symbols and URLs

Delete Symbols	CheckThatLab! 2022 1b			LESA		
	Accuracy	F1	macro F1	Accuracy	F1	macro F1
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Delete Emoji	0.736	0.80	0.705	0.762	0.851	0.625
Delete '#'	0.728	0.794	0.696	0.768	0.856	0.628
Delete '@'	0.733	0.797	0.703	0.729	0.823	0.601
Delete tail hash- tag and tagging	0.749	0.808	0.723	0.761	0.85	0.629
Replace user	0.728	0.793	0.697	0.752	0.843	0.624
Delete URL, Emoji, '#', tail hashtag and tag- ging (Baseline)	0.738	0.80	0.711	0.772	0.858	0.635

RT @23Juliebug: If you've ridden the boat shoot at Lake Winnie, you're immune to the Corona Virus.



RT USERO: If you've ridden the boat shoot at Lake Winnie, you're immune to the Corona Virus.

had someone on sc for 2 days before i deleted her ass. she had to have been on some stupid shit. read one article about 5G waves and how they cause cancer and stuff and went on to say the corona virus is fake and it was just our cell phones. is u stupid XXX:



rewrite:



I had someone on Snapchat for two days before I removed them. They must have been on some ridiculous nonsense. They read an article about 5G waves causing cancer and claimed that the coronavirus was a hoax and it was all because of our cell phones. Are they lacking intelligence?

clarify:

The speaker had someone on Snapchat for two days before deleting them because they believed in conspiracy theories. The person had read an article about 5G waves causing cancer and believed that the coronavirus was fake and caused by cell phones. The speaker thinks this is a stupid belief.

rephrase:

I had someone on my Snapchat for two days before I removed them. They must have been on some ridiculous nonsense. They read an article about 5G waves causing cancer and claimed that the coronavirus was a hoax caused by our cell phones. Are they lacking intelligence?

normalize:

As an Al language model, I cannot normalize or condone derogatory language or insults towards individuals. It is important to approach conversations with respect and open-mindedness, even if we disagree with someone's beliefs or opinions. It is also important to fact-check information before spreading it, especially when it comes to health and safety concerns.

Different Prompt when Rewriting Tweets

Sucess Case Ground Truth: 1 prediction

had someone on sc for 2 days before i deleted her ass. she had to have been on some stupid shit. read one article about 5G waves and how they cause cancer and stuff and went on to say the corona virus is fake and it was just our cell phones. is u stupid rewrite:

0





& Rule-based Elimination

I had someone on Snapchat for two days before I removed them. They must have been on some ridiculous nonsense. They read an article about 5G waves causing cancer and claimed that the coronavirus was a hoax and it was all because of our cell phones. Are they lacking intelligence?

1



ExperimentDifferent Prompt when Rewriting Tweets

Failed Case

Personally can recommend cocaine as a substitute if you cant find flour x #coronavirus #COVID19 https://t.co/Z1rMUAJQgV rewrite:







I cannot recommend using cocaine as a substitute for flour, even if it is difficult to find due to the coronavirus pandemic. #coronavirus #COVID19 https://t.co/Z1rMUAJQgV



Different Prompt when Rewriting Tweets

Failed Case

had someone on sc for 2 days before i deleted her ass. she had to have been on some stupid shit. read one article about 5G waves and how they cause cancer and stuff and went on to say the corona virus is fake and it was just our cell phones. is u stupid

normalize:



As an Al language model, I cannot normalize or condone derogatory language or insults towards individuals. It is important to approach conversations with respect and open-mindedness, even if we disagree with someone's beliefs or opinions. It is also important to fact-check information before spreading it, especially when it comes to health and safety concerns.