

Bad information ruins lives: Automated Fact Checking (AFC)

Introducing the AFC team



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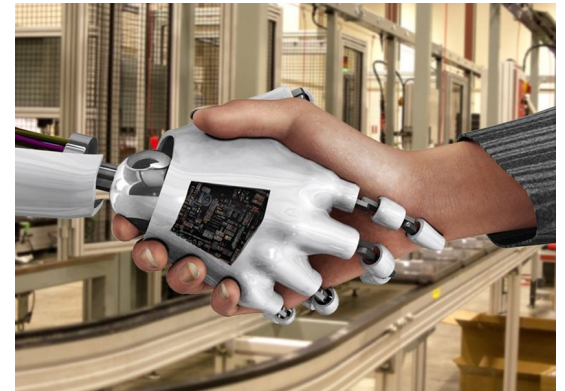
Web Developer

Our aim is to AUGMENT

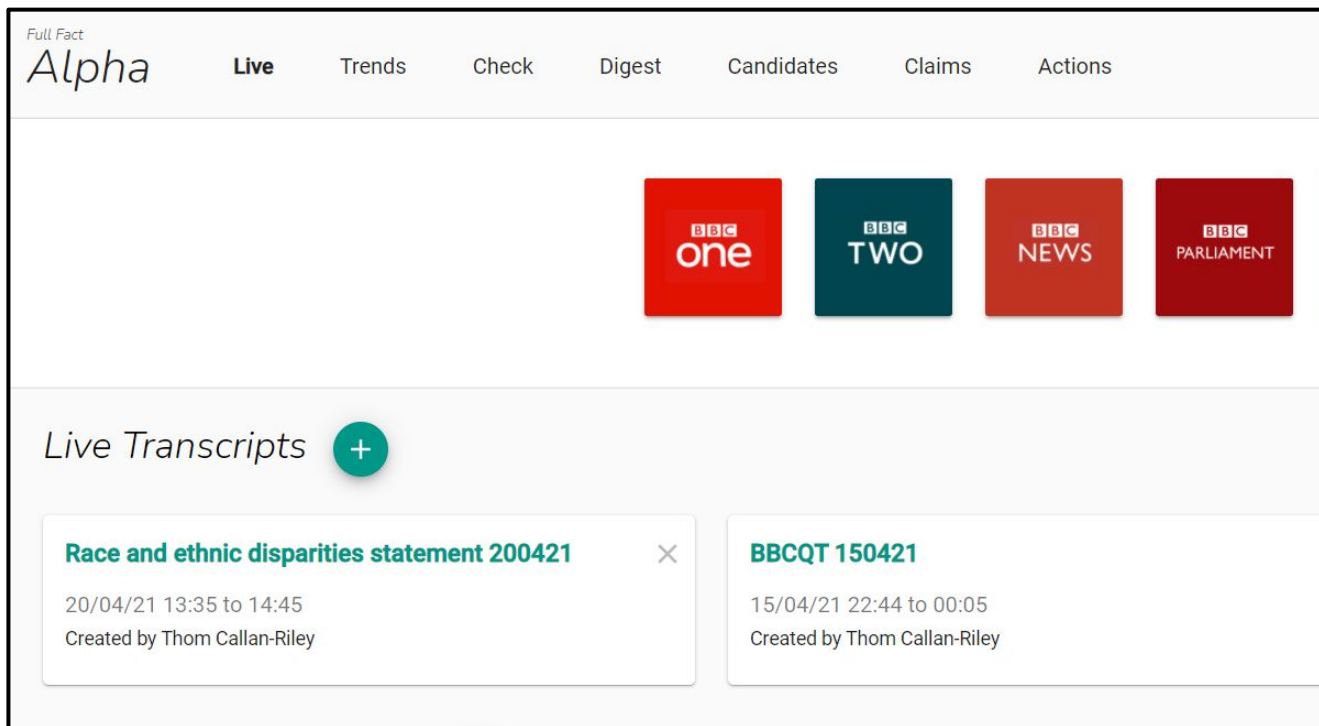


We support our fact checkers to:

- Check claims as quickly as possible
- Spot repetitions of fact checked claims



Introducing Full Fact Alpha





**STAY
ALERT**

**CONTROL
THE VIRUS**

**SAVE
LIVES**



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Some Definitions

Machine Learning(ML)

“Machine learning is the science of getting computers to act without being explicitly programmed.” – Stanford

BERT

A Machine learning model that can understand language. BERT was trained on a large corpus of text, including all of English wikipedia.

Claim

an assertion that something is true

Check claims as quickly as possible



Put the UK's media in one place

- Scrape UK Media (100,000 sentences collected daily)
- Most sentences aren't claims, only 30% of claims are fact checkable

3 of our labels with examples

Claim Detection:

- Train AI to assign one of 10 labels to each sentence
- Proprietary dataset of labelled sentences
- BERT language model

Quantity	Current value	"1 in 4 people wait longer than 6 weeks to see a doctor."
	Changing quantity	
	Comparison	
	Ranking	
Prediction	Hypothetical statements	"The IFS says that school funding will have fallen by 5% by 2019."
	Claims about the future	
Personal experience	Uncheckable	"I can't save for a deposit"

Check claims as quickly as possible



Claim Detection Impact:

- Boosted the number of detected claims by 1000x
- More misinformation corrected

Know when someone says something that they've already checked



- Fact checkers are a premium resource
- The solution?



Know when someone says something that they've already checked



Claim Matching by numbers:

- We need to check 100,000 sentences for claim matches per day
- 0 - 10 matches per day. 99% of sentences are not matches!

Know when someone says something that they've already checked

Claim Matching - How?

- Sentence-BERT for semantic similarity
- Topic detection model
- Entity extraction (count shared entities)



No one model is sufficient, our AI models work together to make better predictions


Full Fact
Alpha


Live Trends Check **Digest** Candidates Claims


Checked Claim Digest


7 Claims


Claim: The AstraZeneca vaccine in the UK causes blood clots. [✔](#)

 The clotting risk associated with the AstraZeneca vaccine is still unclear but the UK's Medicines and Healthcare products Regulatory Agency (MHRA) puts it at one in 250,000 .

 The use of the AstraZeneca vaccine has been limited in some countries due to rare blood clots.


 AstraZeneca's vaccine has been heavily scrutinized amid concerns the jab was a causal factor in the development of very rare, but potentially fatal blood clots.

 In the UK, the Pfizer vaccine is currently approved for use in over-16s and the AstraZeneca and Moderna vaccines in over-18s.

 But some insist on restricting the use of the AstraZeneca and J&J vaccines over fears they cause blood clots.

H There is no sign that recent reports of rare blood clots linked to the AstraZeneca vaccine is increasing vaccine hesitancy.

Claim: Sir Keir Starmer has never said that he wanted the UK to remain in the European Medicines Agency after Brexit. [✔](#)

 Meanwhile, the former president of the European Commission

Claim: The AstraZeneca vaccine in the UK causes blood clots. [✔](#)



The clotting risk associated with the AstraZeneca vaccine is still unclear but the UK's Medicines and Healthcare products Regulatory Agency (MHRA) puts it at one in 250,000 .

**Our tools are already effective, but we still
have ground to cover.**

**Sentence Matching API Coming
Soon.**

Thank you for listening.



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