Victor Sanh, Albert Webson, Colin Raffel, Stephen H. Bach & the BigScience crew ICLR 2022

Presented by Giuseppe Attanasio

Solving tasks the model was not trained for

3

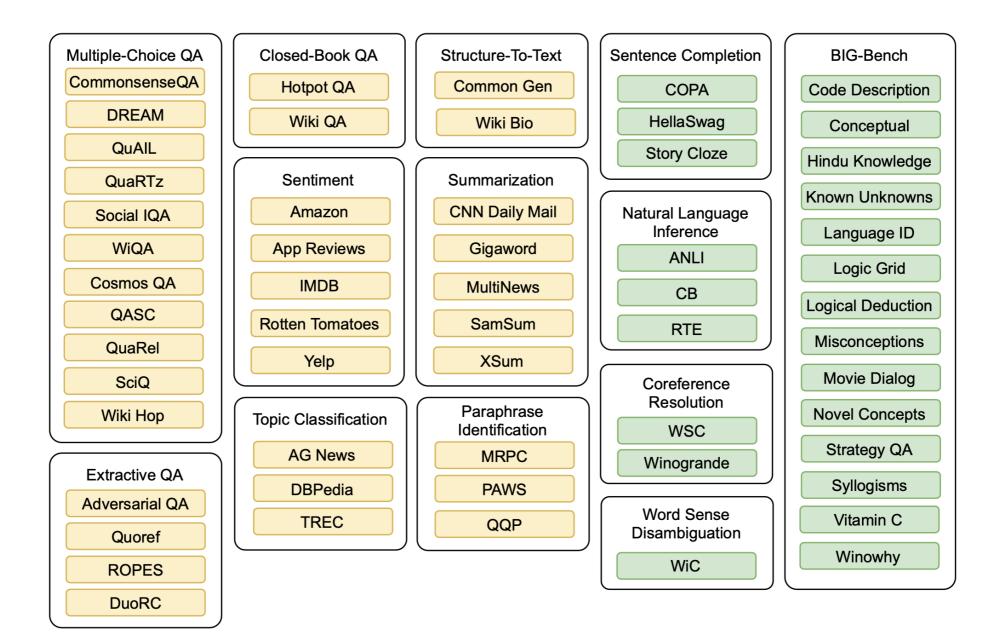


Solving tasks the model was not trained for

4



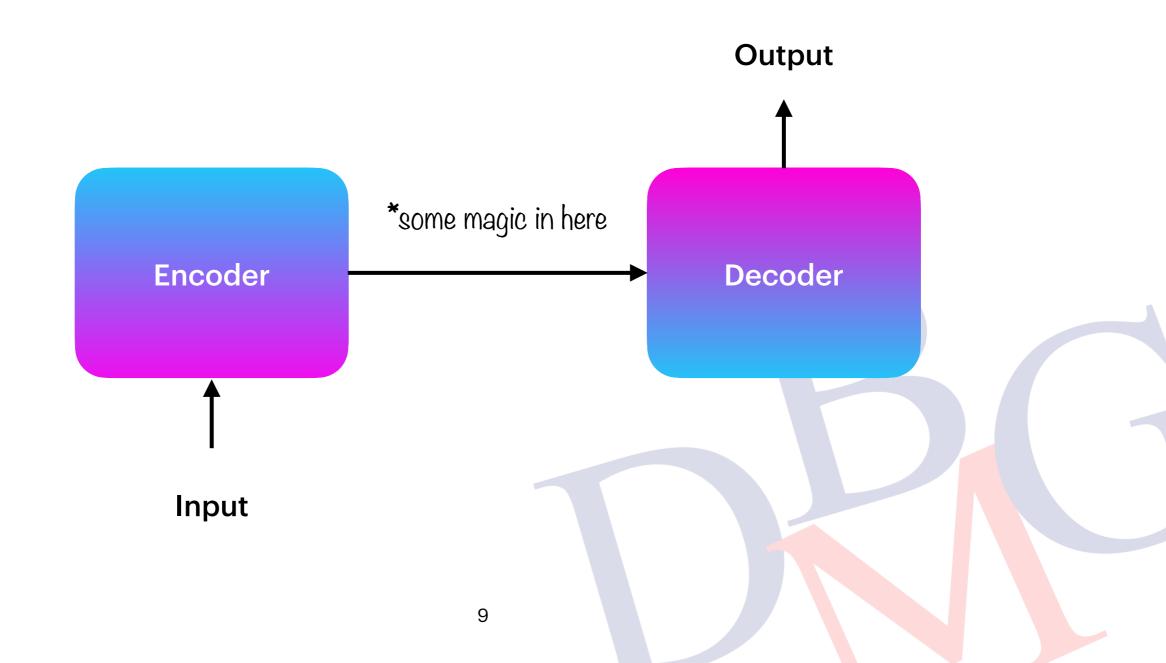
Multitask, Zero-Shot

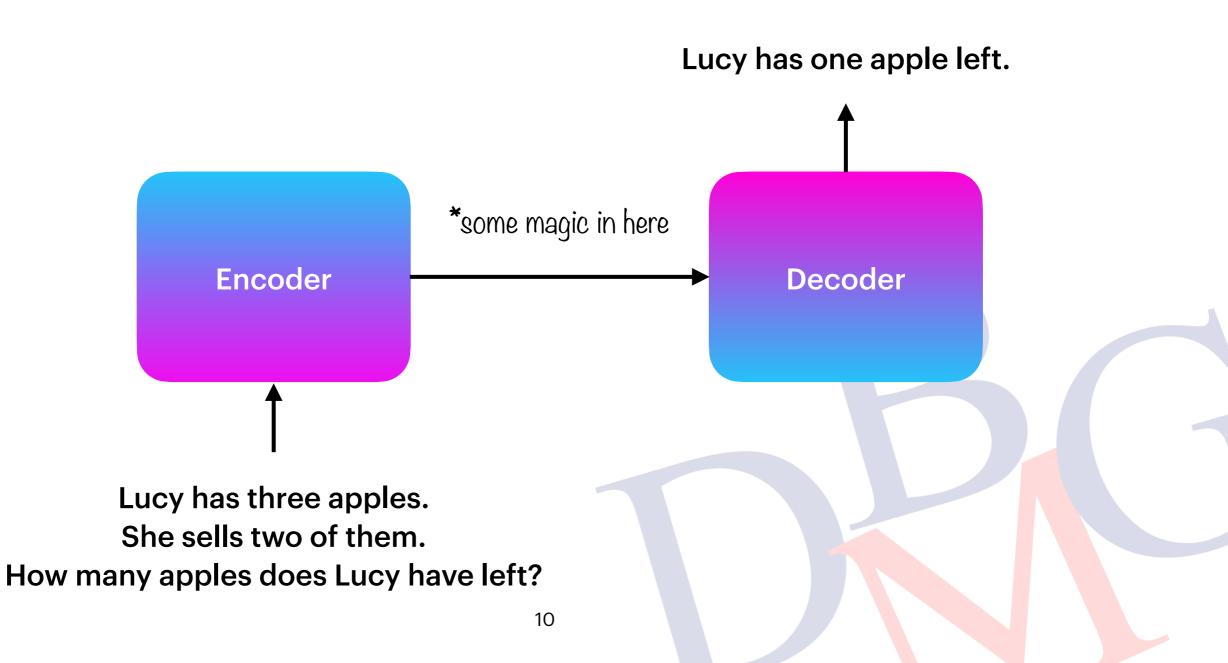


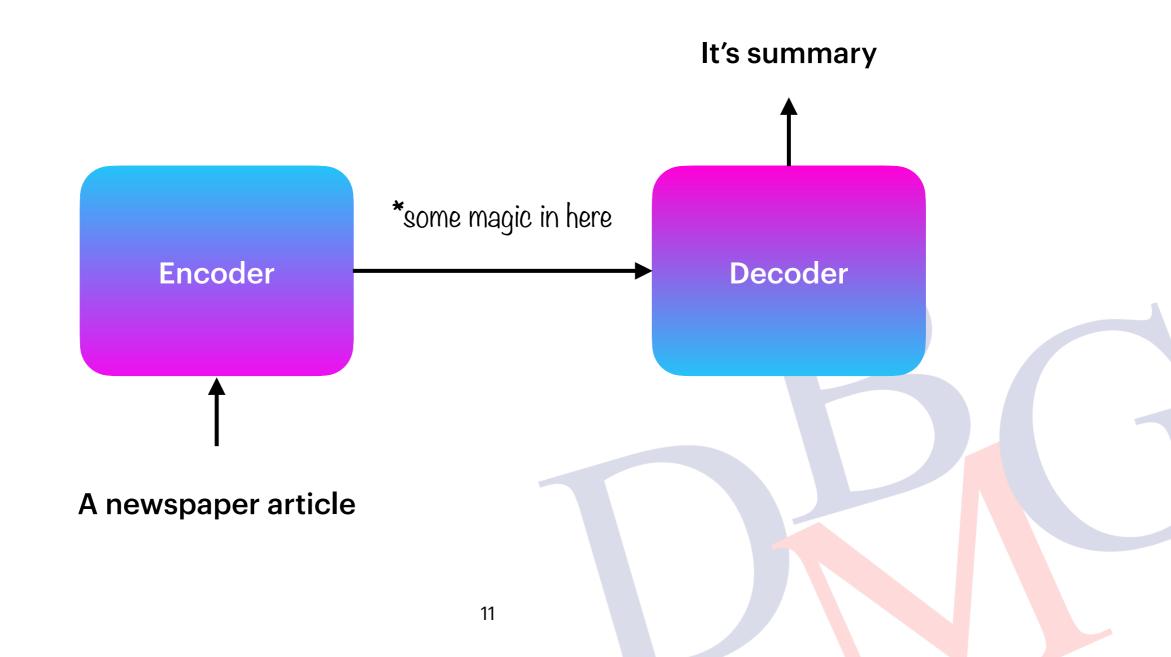
Crazy, right?

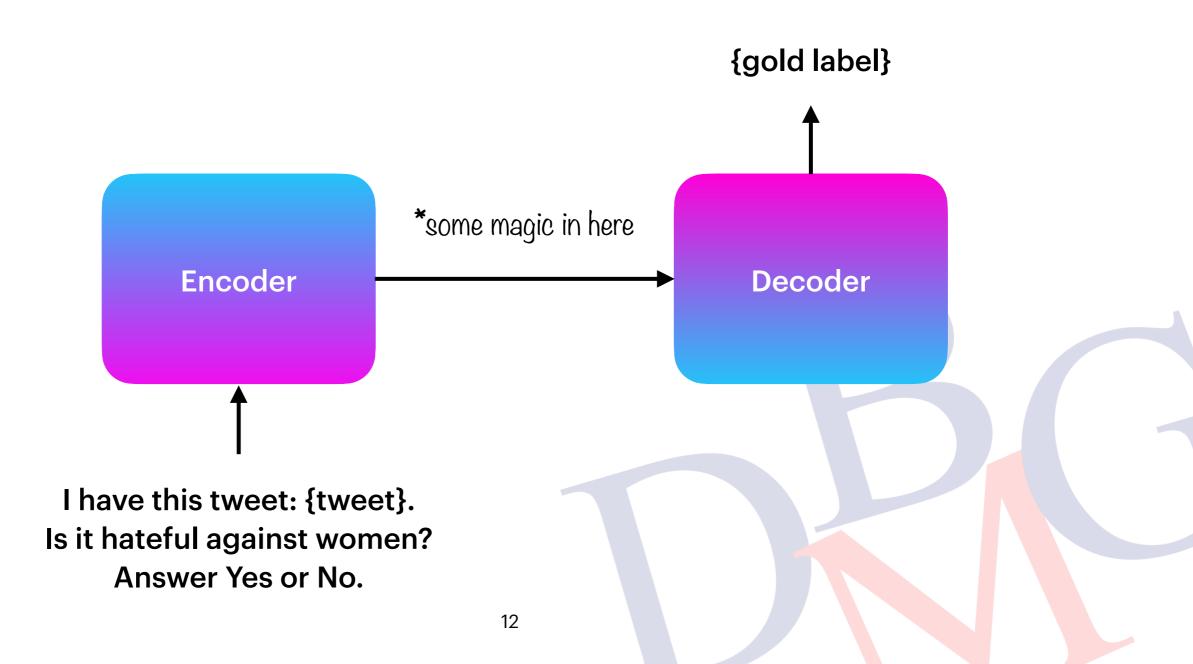
Prompting (A clever NLP trick)



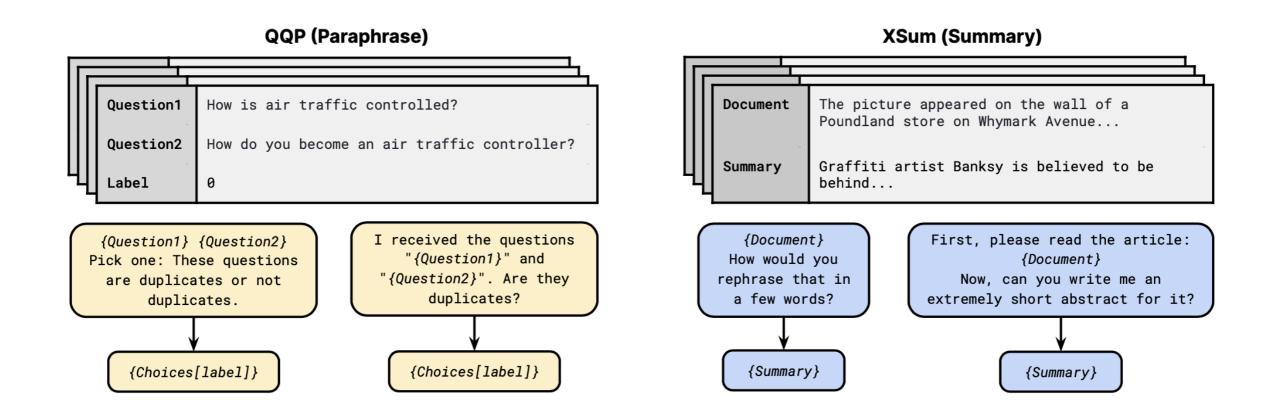








Unified Prompt Format



- Prompt: a input, output template
- Both formal and creative prompts
- ~8 prompts per dataset

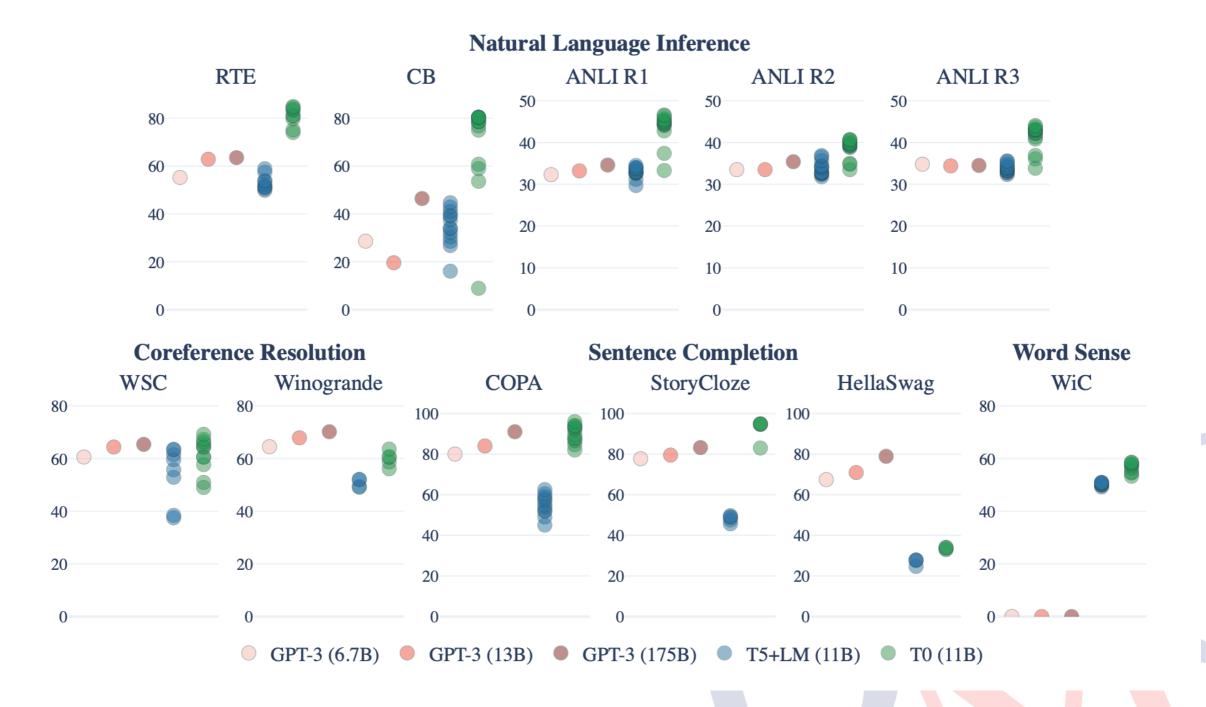
Amazon Review Polarity

{title}, {content}, {label}

	Input Template:
Iı	Input Template:
	You are considering whether to buy a product. You look at the reviews. Would the following review {{answer_choices[0]}} or {{answer_choices[1]}} the chances of you buying the product? Review title: {{title}} Product review: {{content}}
Т	Target Template:
	{{answer_choices[label]}}
A 1	Answer Choices Template: decrease increase



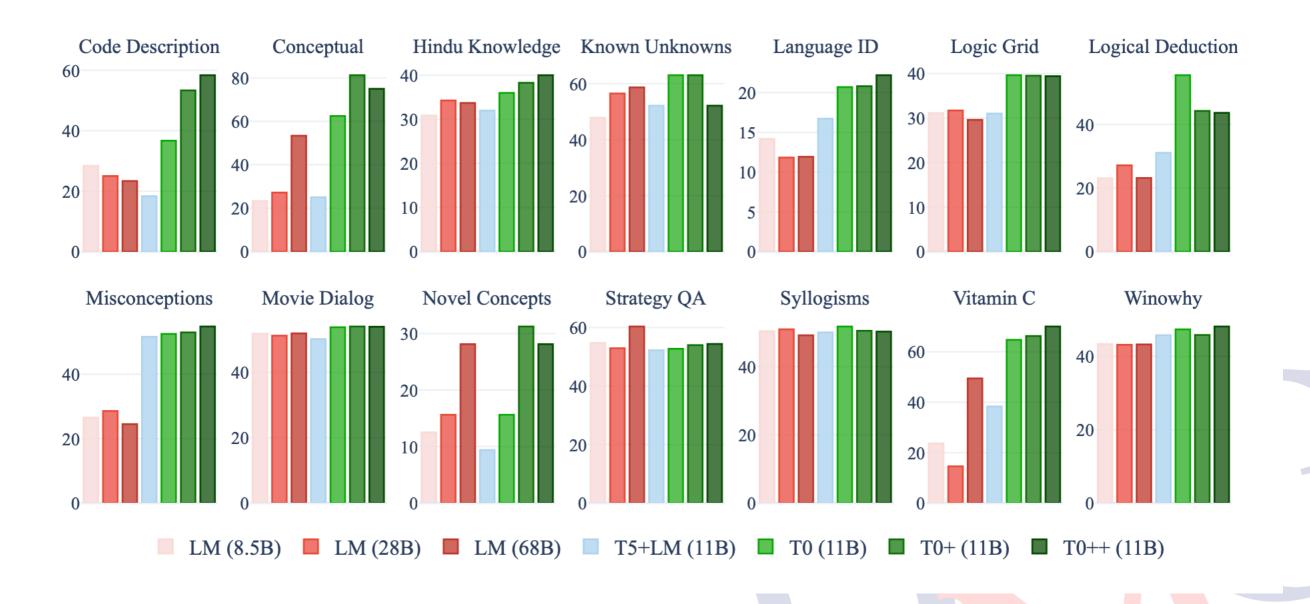
Held-out tasks Classic tasks



Held-out tasks

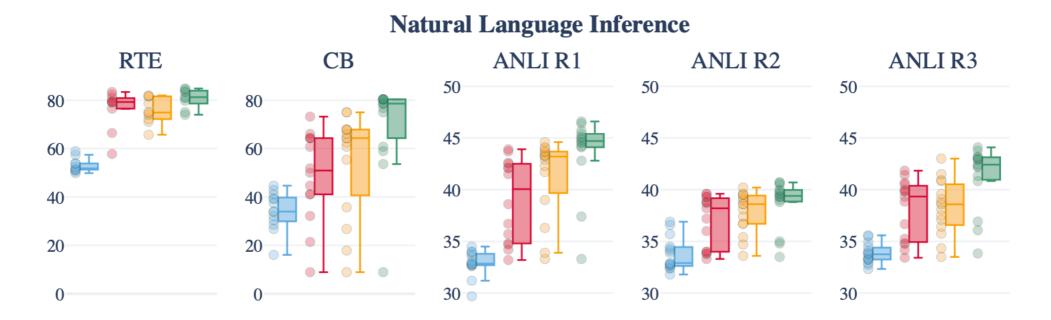
BIG-bench suite

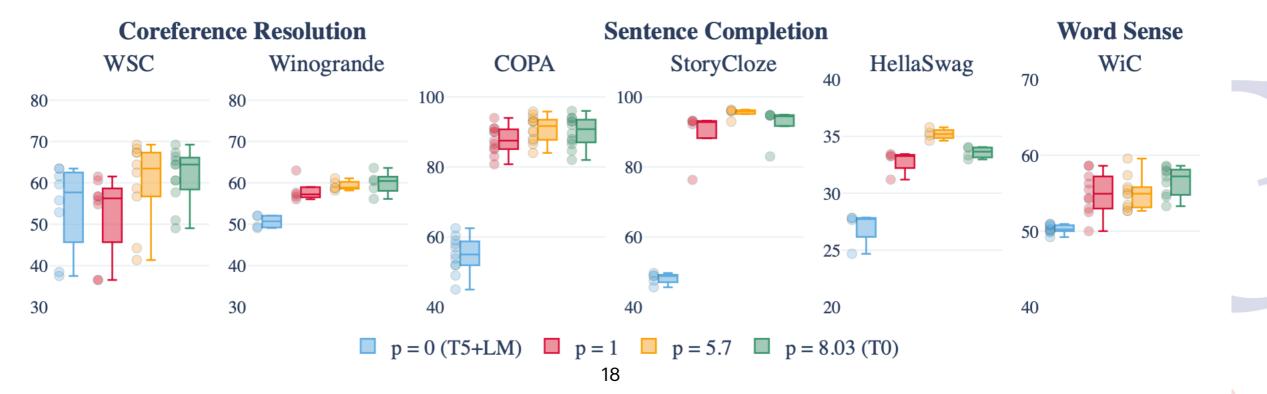
<u>arXiv</u>-ed yesterday!



17

On the number of prompts More is better







- If you do NLP, prompting is a now thing
- Crazy, beautifully formulated, effective idea
- Community effort, one-year long project

- Gap between builders and users
- Is it true generalization?



And yours?