

I'm sure you're a real scholar yourself: Exploring Ironic Content Generation by Large Language Models

Pier Felice
Balestrucci*

Silvia
Casola*

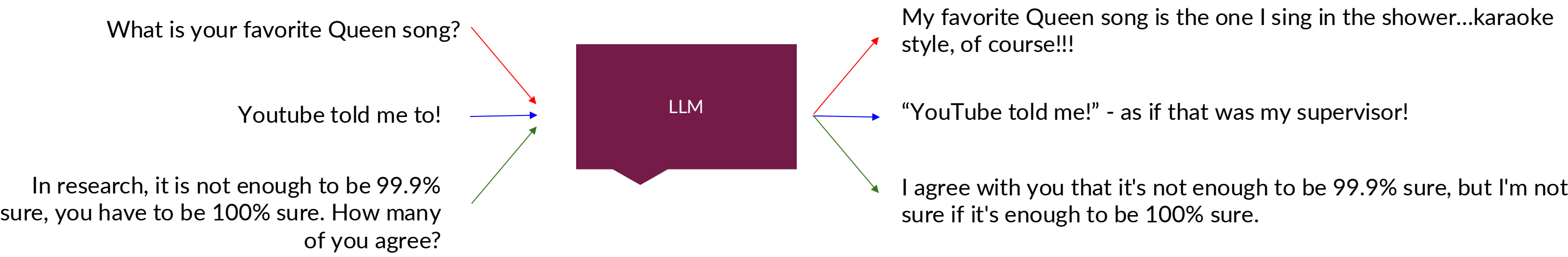
Soda Marem
Lo*

Valerio
Basile

Alessandro
Mazzei

University of Turin
LMU & MCLM

RQ1 CAN LLM GENERATE IRONIC CONTENT?



RQ2 CAN THE GENERATION BE AGE-BASED?



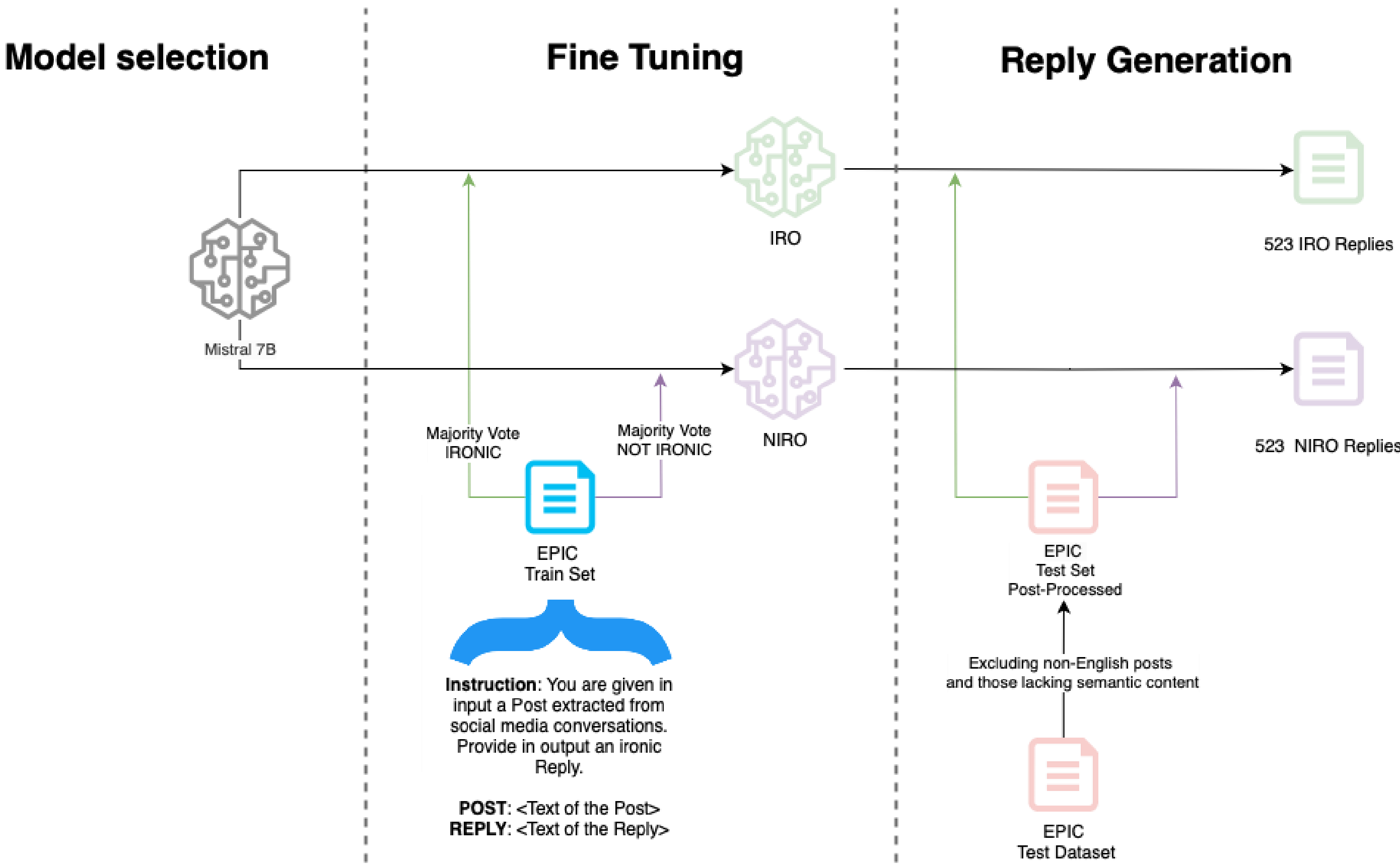
EPIC English Perspectivist Irony Corpus

ANNOTATOR	ID	POST	REPLY	ANN AGE	...	IRONIC
1	1	Youtube told me to!	lol	40		0
2	1	Youtube told me to!	lol	26		1
3	1	Youtube told me to!	lol	32		0
...						
2	2	right behind you	*looks behind	34		1
5	2	right behind you	*looks behind	29		0

- Disaggregated dataset
- Is the Reply **ironic** in the context of the Post?
- 3000 **Post - Reply** conversations
- Annotators demographic **metadata** (gender, age, ethnicity, nationality...)

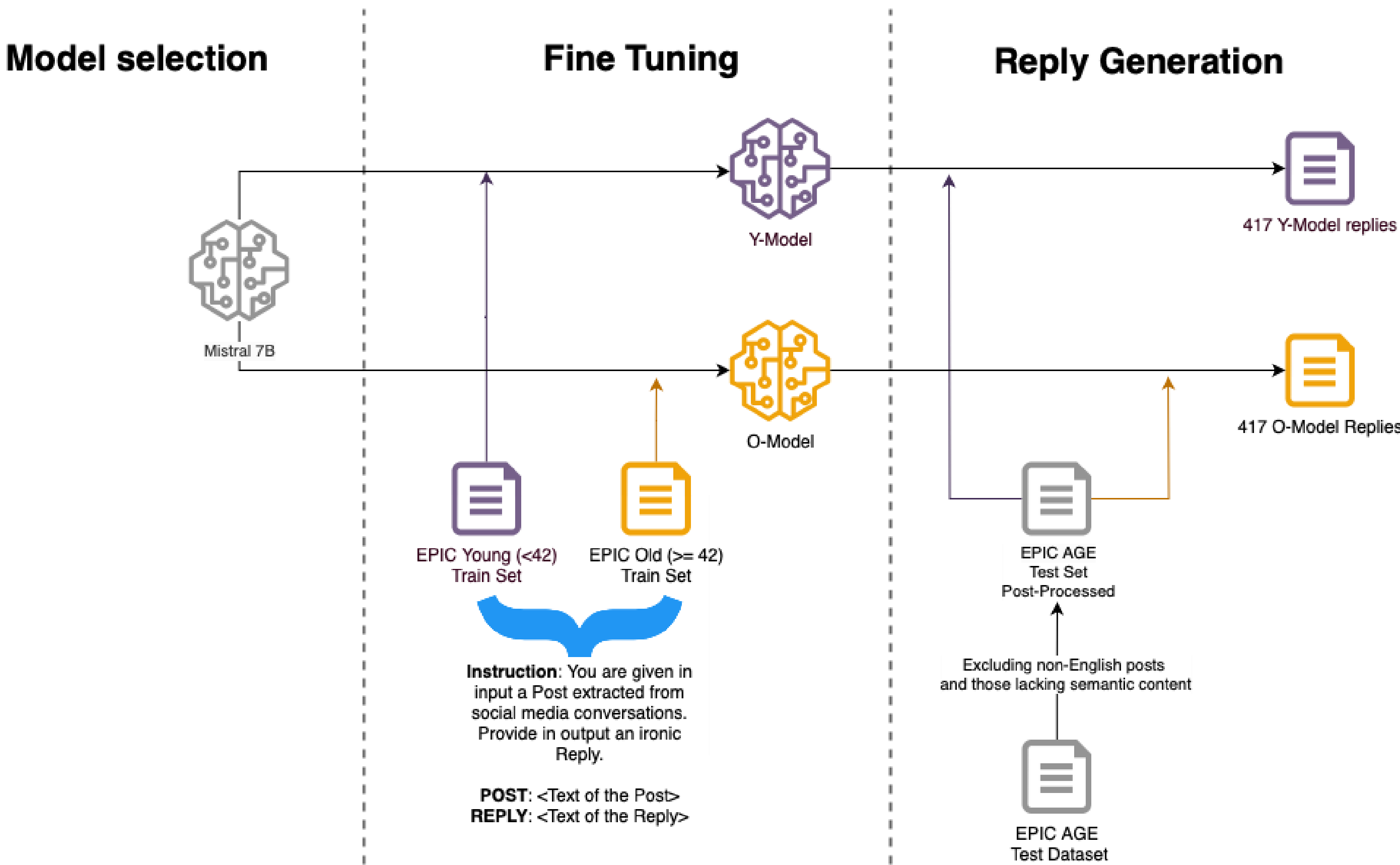


RQ1: IRONIC CONTENT GENERATION



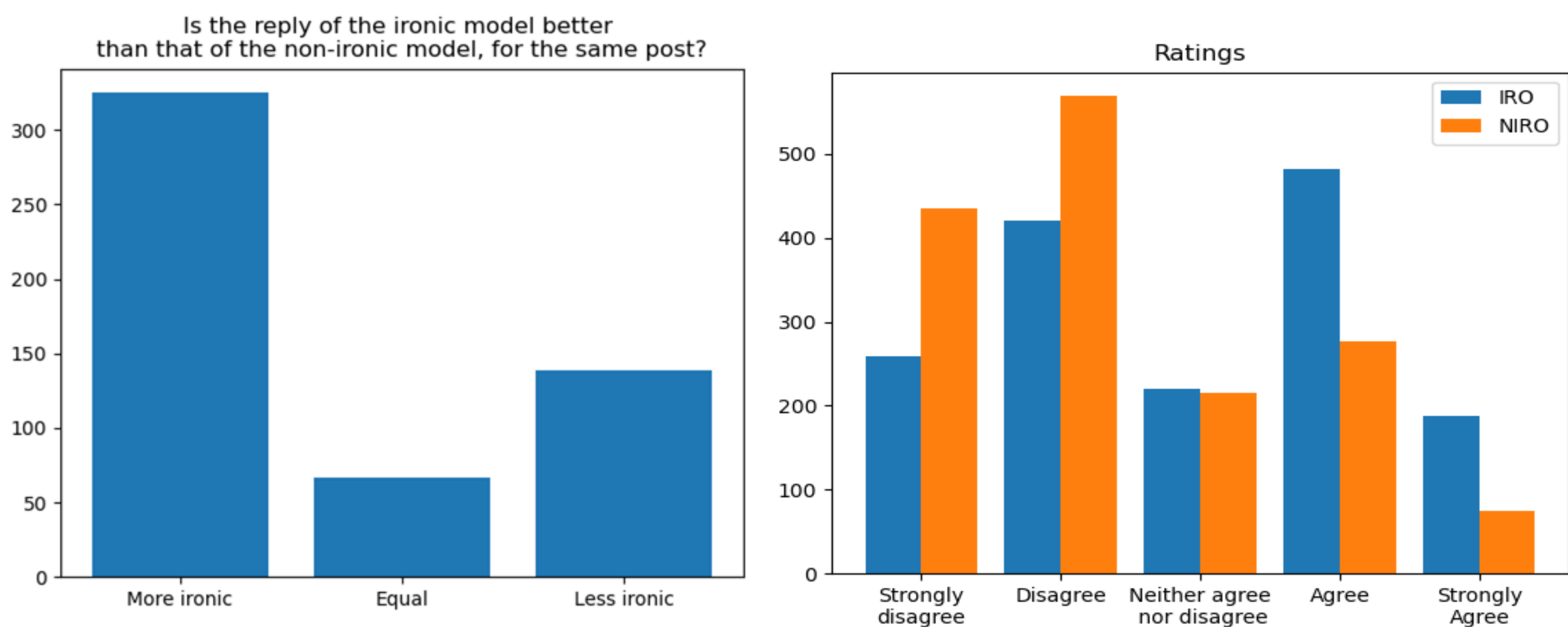
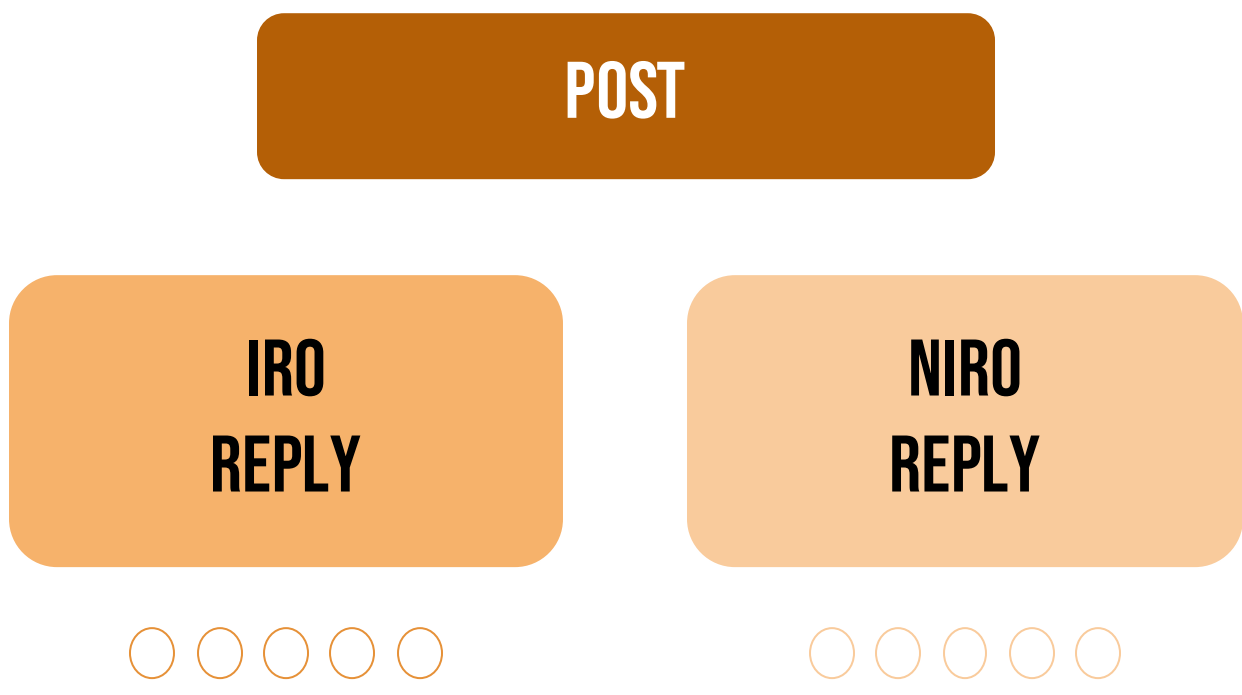
	Post	Human replies		Model replies	
		ironic	non-ironic	IRO	NIRO
Tokens	28	17	20	15	14
TTR	.25	.42	.31	.19	.18
Interjections	56	18	45	37	74
Negations	186	31	122	168	303
Named Entities	656	85	348	248	315

RQ2: AGE-SPECIFIC GENERATION

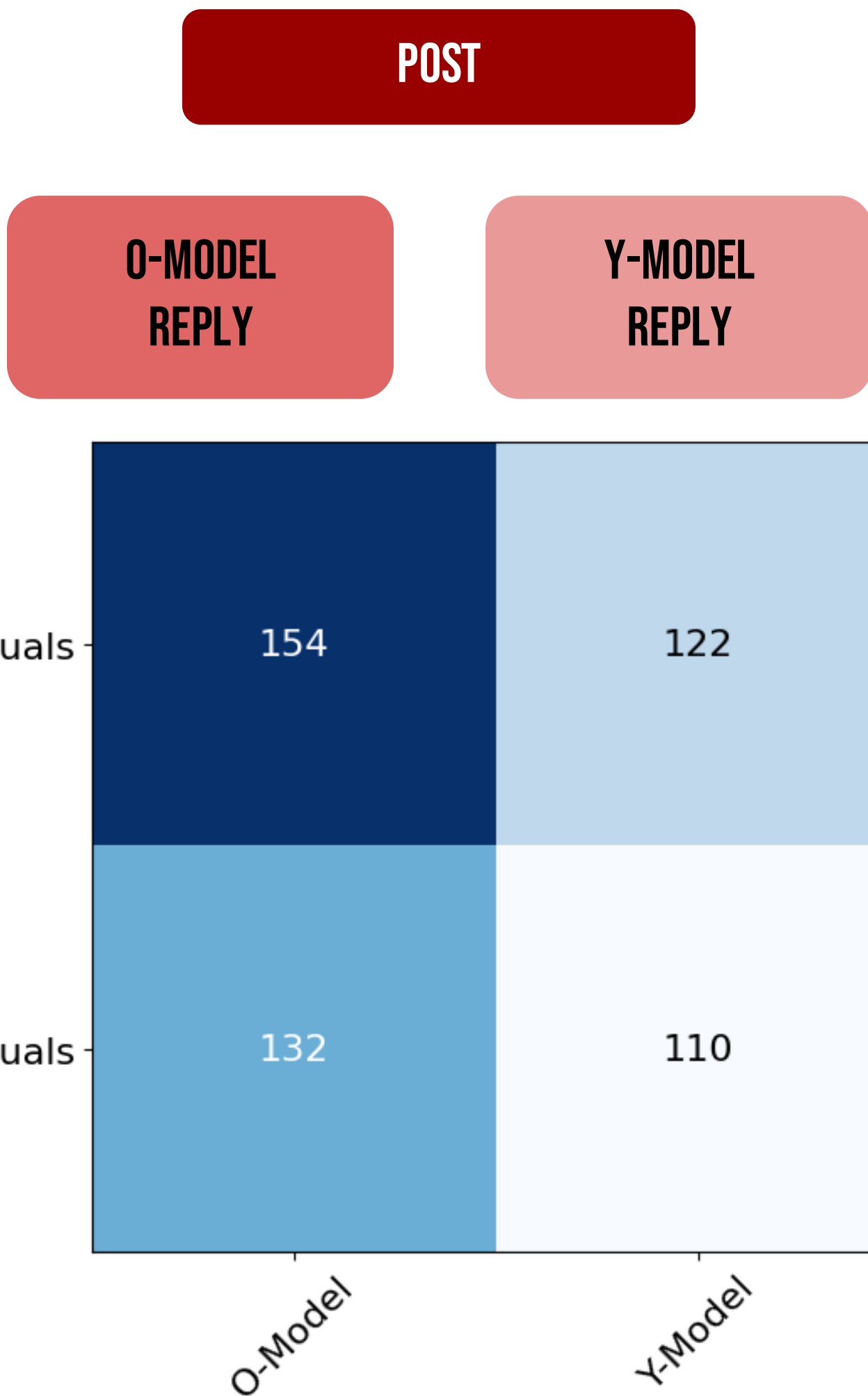


	Post	Human replies		Model replies	
		Old	Young	Old	Young
Tokens	29	18	16	12	15
TTR	.65	.47	.46	.23	.19
Interjections	53	25	19	33	29
Negations	231	25	29	121	121
Named Entities	588	59	56	174	282

ON A SCALE FROM 1 TO 5, HOW MUCH DO YOU AGREE THAT THE REPLY TO THE COMMENT IS IRONIC?



WHICH OF THE FOLLOWING REPLIES IS MORE IRONIC?



SCAN ME

References

EPIC: Multi-Perspective Annotation of a Corpus of Irony (Frenda et al., ACL 2023)

*Equal contribution.

The work of SC was done while at the University of Turin.

