

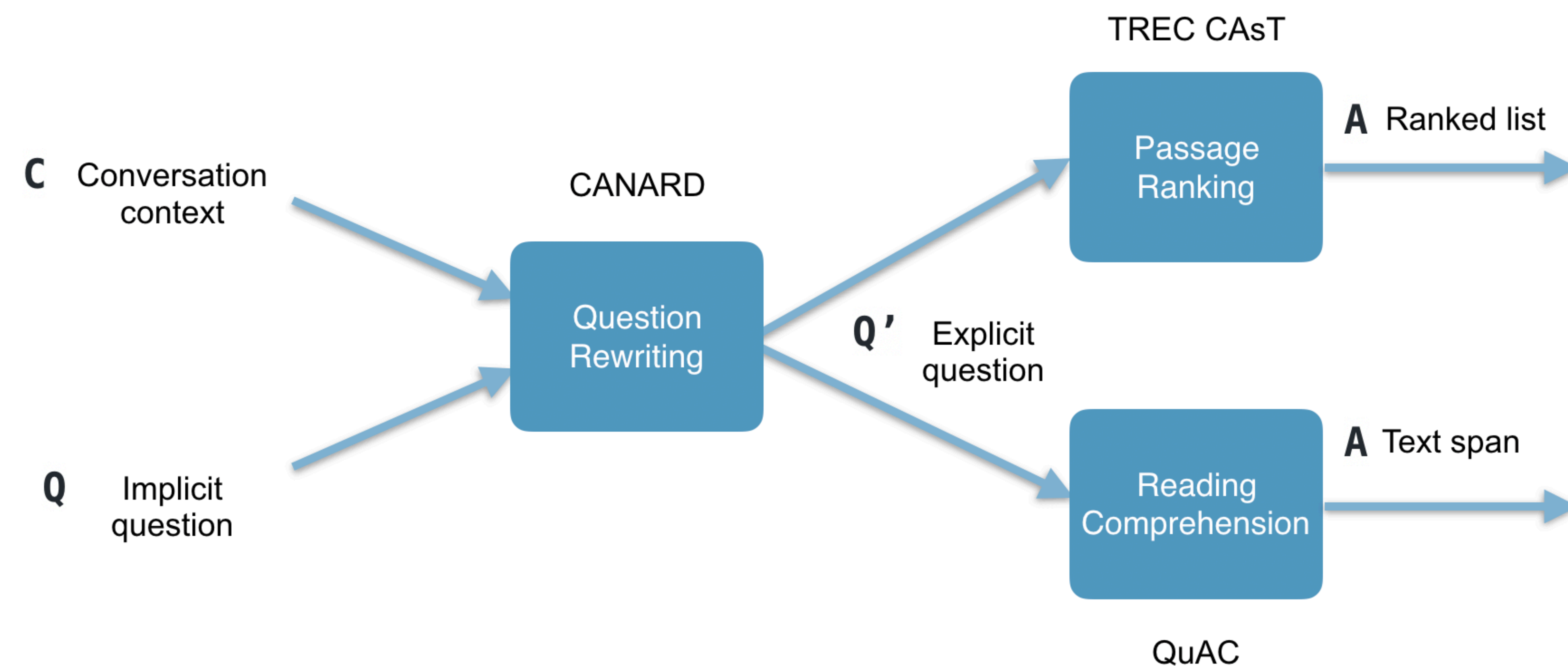
A Wrong Answer or a Wrong Question? An Intricate Relationship between Question Reformulation and Answer Selection in Conversational Question Answering

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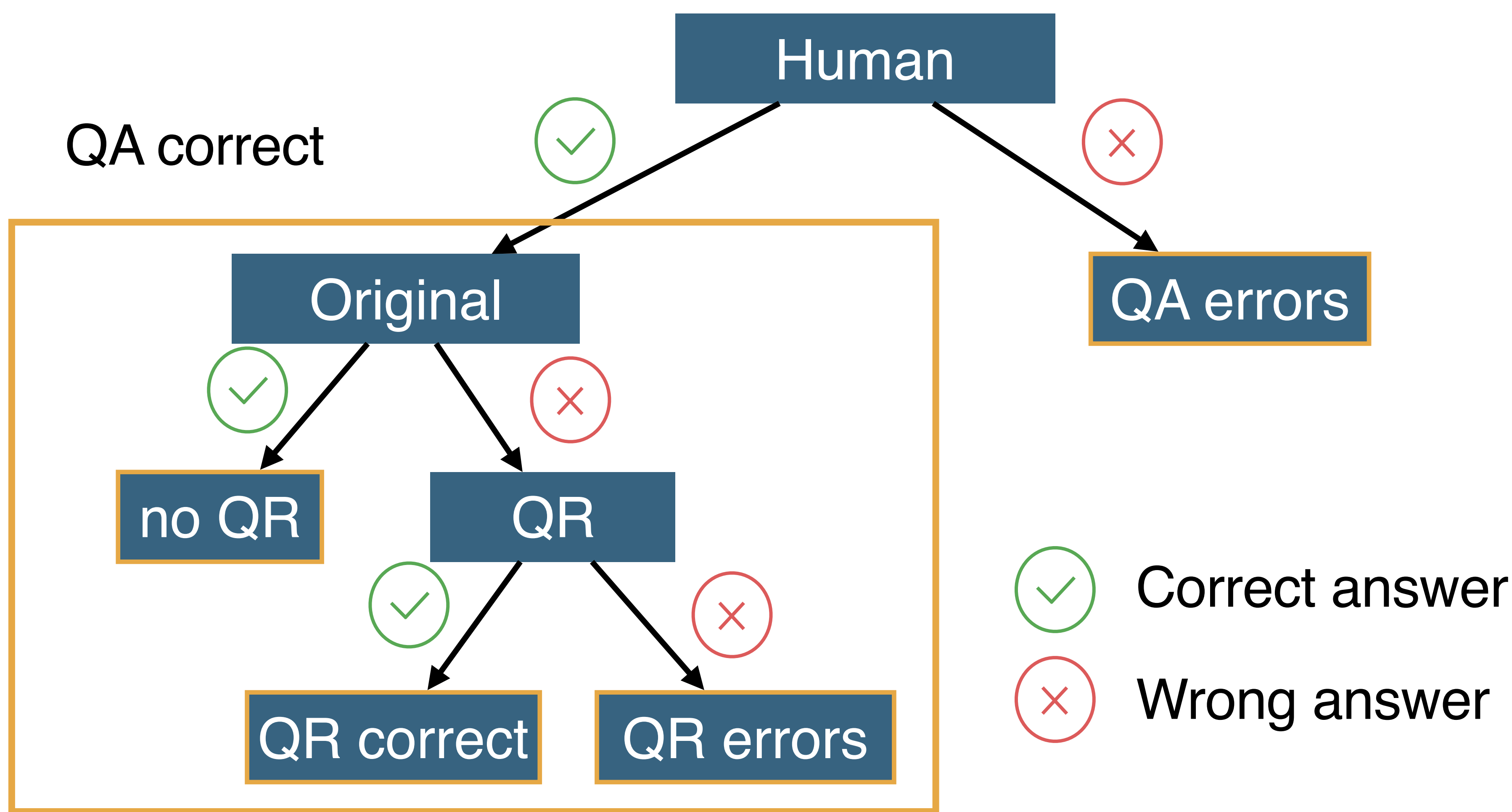
¹University of Amsterdam, ²Apple Inc.



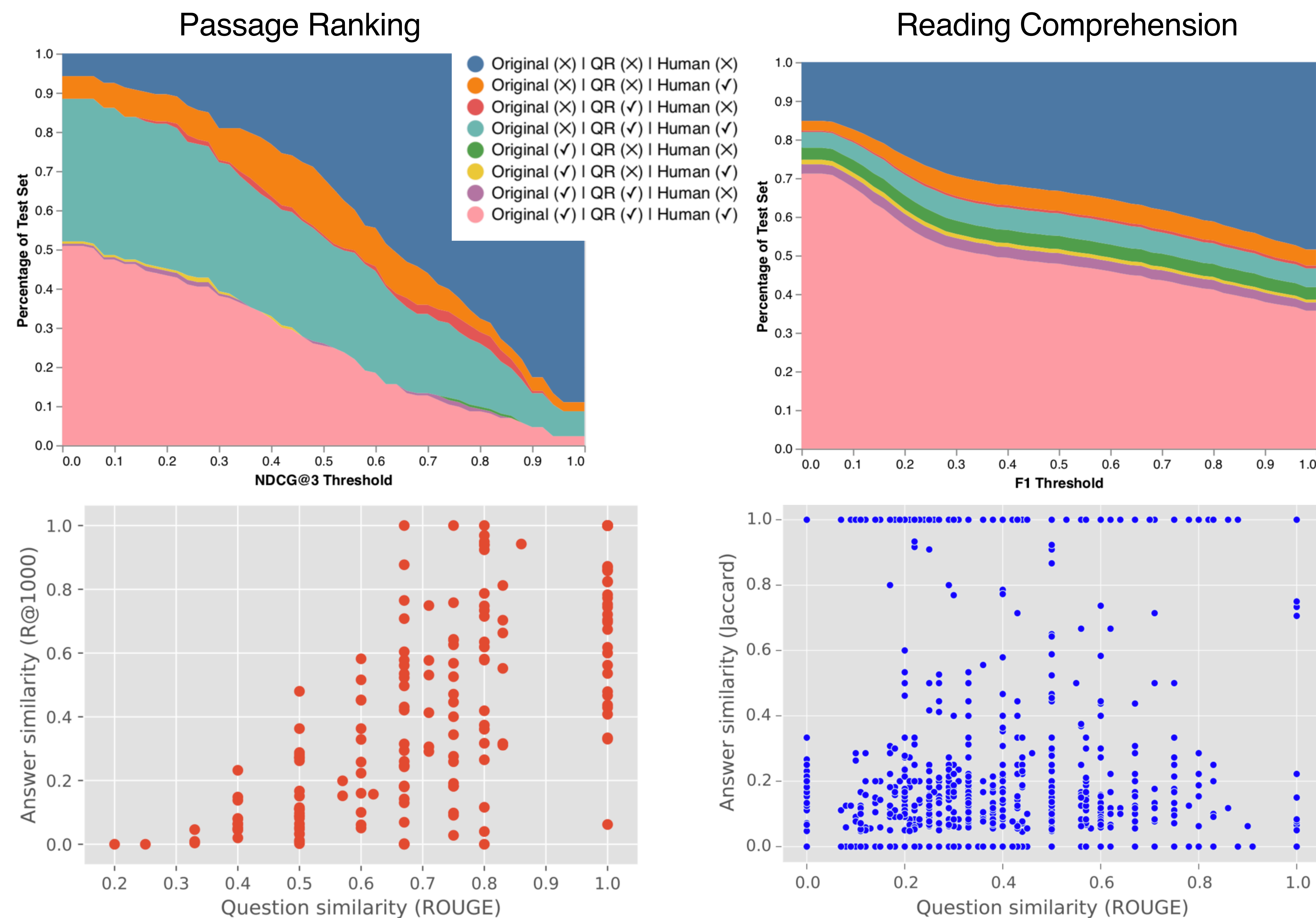
Conversational Question Answering



Approach



Experimental Evaluation



Results

Original	QR	Human	F1 > 0	F1 ≥ 0.5	F1 = 1
×	×	×	847 (136)	1855 (235)	2701 (332)
✓	×	×	174	193	181
×	✓	×	19	35 (2)	40 (1)
✓	✓	×	135	153	120
×	×	✓	141	288	232
✓	×	✓	65 (1)	57 (1)	40
×	✓	✓	226	324	269
✓	✓	✓	3964 (529)	2666 (428)	1988 (333)
Total			5571 (666)		

QR	Human	ROUGE-1 R	R@1000
How is intermittent fasting related to keto diet	How is intermittent fasting related to keto?	1	0.48
What's the biggest great whites ever caught	What about for great whites?	0.6	1

QR	Human	ROUGE-1 R	Jaccard
was kick out the jams well received?	was Kick Out the Jams well received?	1	0.03
did he do anything else?	did Guy Lombardo have any other career highlights besides racing and the restaurant?	0.08	1

<https://github.com/svakulenk0/QRQA>