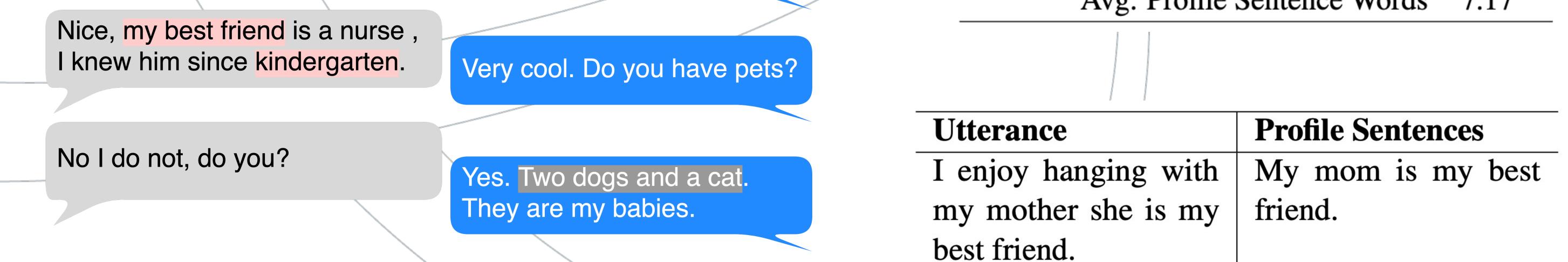


Rui Ribeiro, Joao P. Carvalho, Luísa Coheur

How can we create more personalized dialogue systems?

Speaker 1	Speaker 2	
Profile Sentences: I have traveled and studied abroad. I got a job working in advertising last year. I met my best friend in kindergarten.	I work as a nurses aide in a nursing home.	Train
Hey, are you a student? I traveled a lot, I even studied abroad.	No, I work full time at a nursing home. I am a nurses aide.	Valid
Nice, I just got a advertising job myself. Do you like your job?	Yes, I do. Caring for people is the joy of my life.	Test

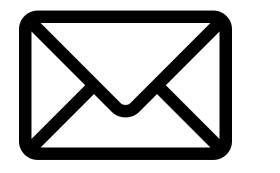
	# Samples	34355
Frain	Avg. Profile Sentences	1.06
Iram	Avg. Utterance Words	13.13
	Avg. Profile Sentence Words	7.14
	# Samples	4236
Valid	Avg. Profile Sentences	1.06
vanu	Avg. Utterance Words	13.36
	Avg. Profile Sentence Words	7.67
Fort	# Samples	3760
	Avg. Profile Sentences	1.06
Fest	Avg. Utterance Words	13.05
	Avg. Profile Sentence Words	7.17



The task is more challenging than just finding utterances that highly relate to each profile sentence.

For instance, the profile sentence "I like all genres of music" is probably at the origin of the utterance "Yes, sometimes I also listen to classical music", but we cannot extract that profile sentence from that single utterance.

I enjoy hanging with	My mom is my best			
my mother she is my	friend.			
best friend.				
I am almost done, I	I have got two more			
only have two years	years in college.			
left in law school.	I study law.			



rui.m.ribeiro@inesc-id.pt github.com/ruinunca/PGTask

Benchmark results for future work

	Model	BLEU-1	BLEU-2	BLEU-3	BLEU-4	ROUGE-1	ROUGE-2	ROUGE-L	BERTScore
Ļ	distilgpt2	5.59	0.30	0.00	0.00	6.86	0.93	5.80	84.66
/o I	gpt2-small	4.87	0.40	0.00	0.00	6.08	0.63	5.20	84.21
M/	gpt2-medium	4.48	0.20	0.00	0.00	7.20	0.31	5.32	83.28
<u> </u>	distilgpt2	44.42	13.18	5.60	0.00	35.68	14.12	35.39	92.35
7 F	gpt2-small	61.30	32.30	20.62	9.44	50.07	28.31	50.00	94.39
M	gpt2-medium	59.31	25.94	15.30	9.17	46.32	24.14	45.88	94.76

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