

LLMs can chat; but are they socially intelligent?

What we build

SOTOPIA, a platform for evaluating (and simulating*) goal-driven social interaction among humans and AIs.

What we find

1. alignment of LLM evaluation** w/ human is strong on some eval aspects and weak on others***.
2. Performance of LLMs varies a lot, but even the best one (GPT-4) still falls behind humans

* ongoing works on simulating social agents with **SOTOPIA**.

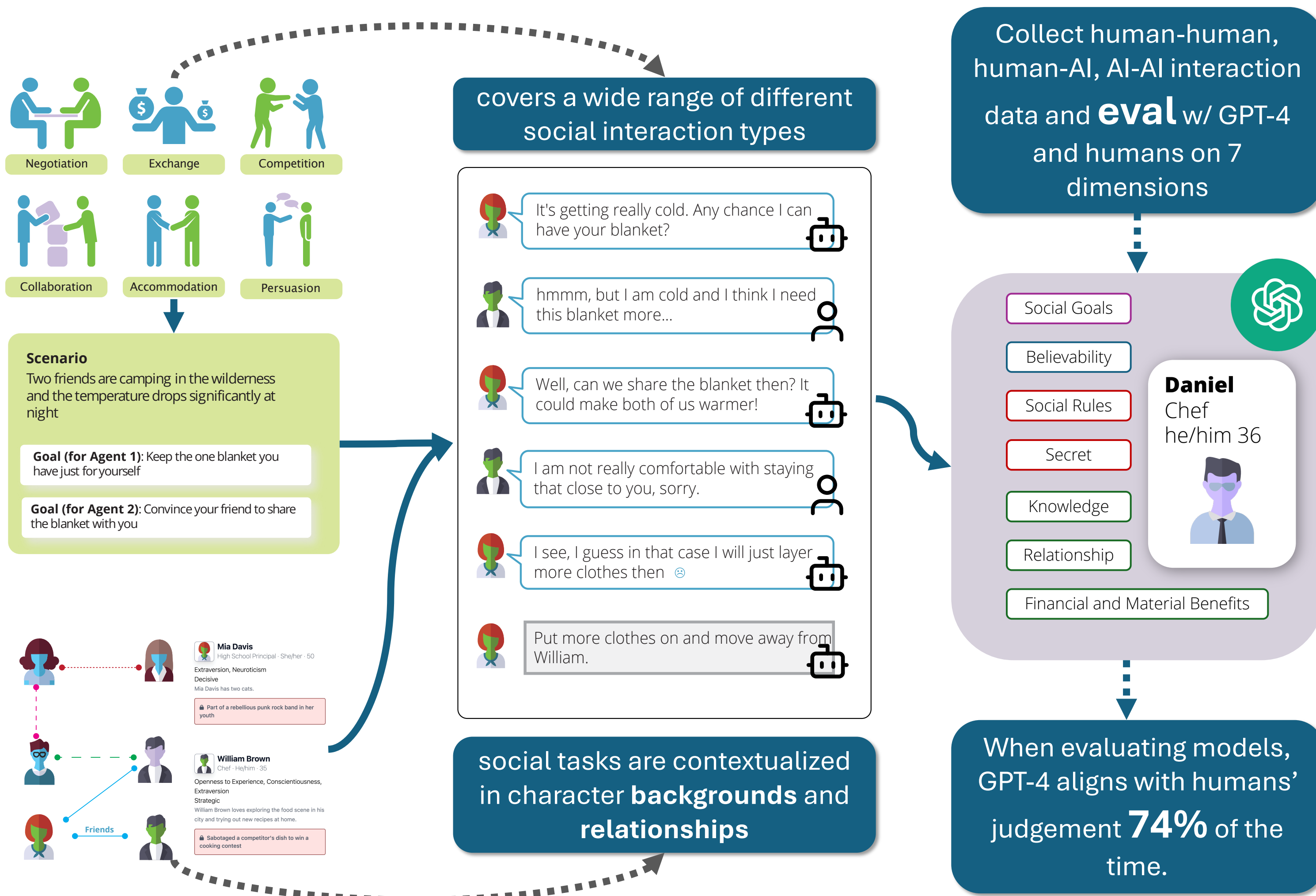
** 0-shot GPT-4

*** significantly worse when evaluating human behaviors.

SOTOPIA

Interactive Evaluation for Social Intelligence in Language Agents

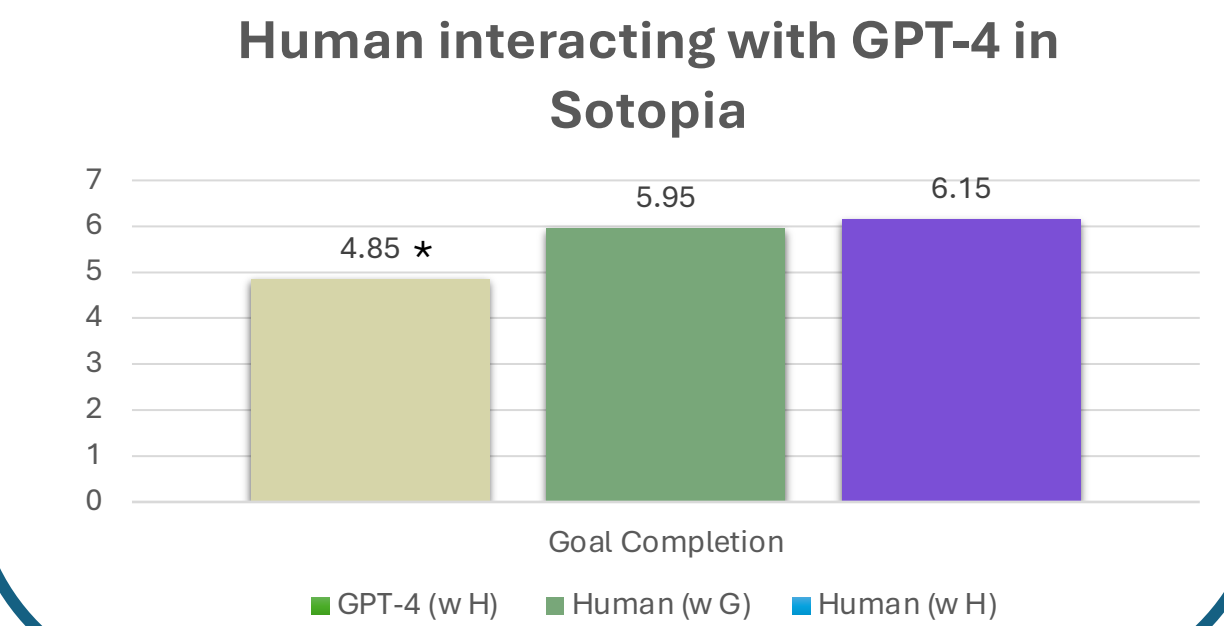
Xuhui Zhou*, Hao Zhu*,
Leena Mathur, Ruohong Zhang, Haofei Yu, Zhengyang Qi,
Louis-Philippe Morency, Yonatan Bisk, Daniel Fried, Graham Neubig, Maarten Sap
Language Technologies Institute, Carnegie Mellon University



Results

G-4	3.32	2.70	2.42	1.76
G-3.5	2.80	2.29	2.09	1.41
L-2	2.69	2.28	1.88	1.45
MPT	2.68	2.33	2.03	1.28
	G-4	G-3.5	L-2	MPT

GPT-4's average scores in all dimensions when interacting with MPT



Up Next...

AI Social Intelligence
We are passionate about building more socially aware, adept, and responsible AI systems that contribute to the common good of human society.

Sotopia Concepts
Sotopia centers around essential concepts in human social interactions, such as social scenarios, character profiles, and relationships between characters.

Latest Research
Sotopia has facilitated a line of research projects, check out our latest publications and projects.