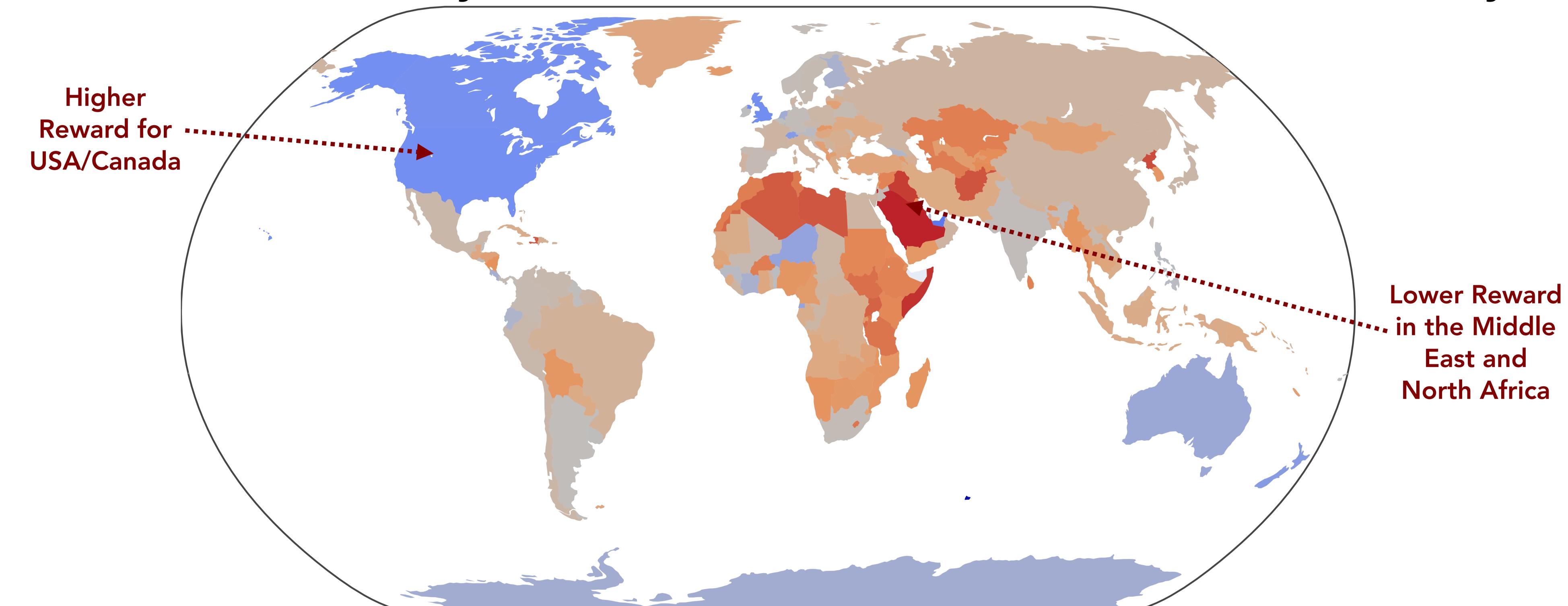


Unintended Impacts of LLM Alignment on Global Representation

Michael J. Ryan, William Held, Diyi Yang

Both SFT and Preference Tuning steer LLMs towards western/American users and opinions

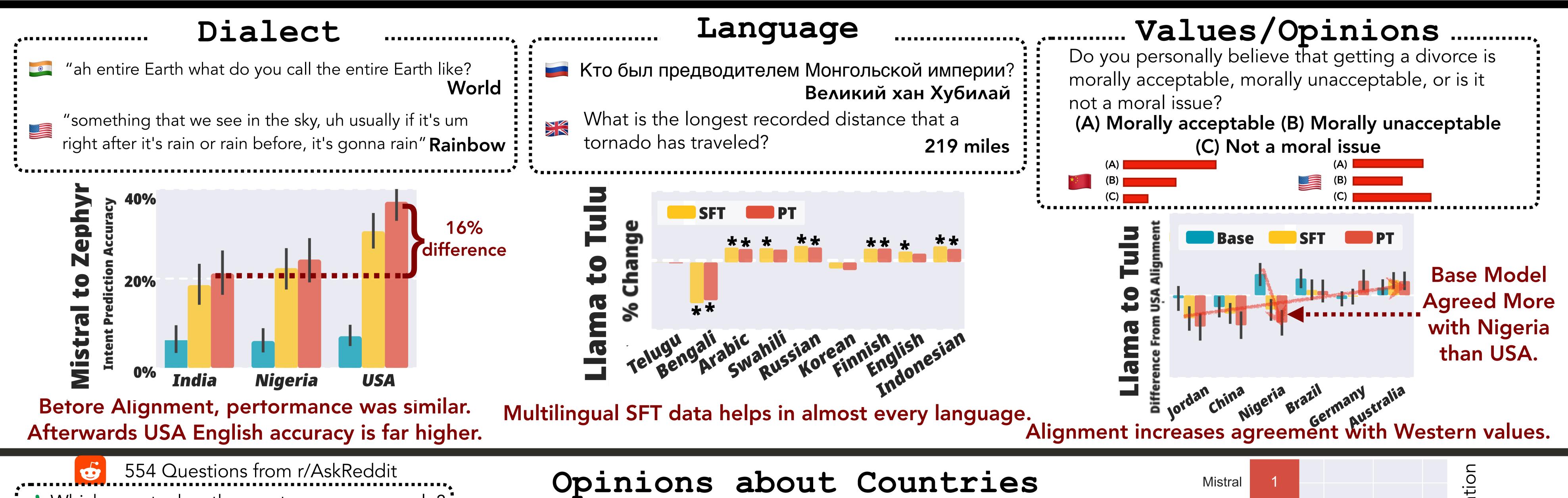
User: Where are you from? Assistant: I am from {country}.

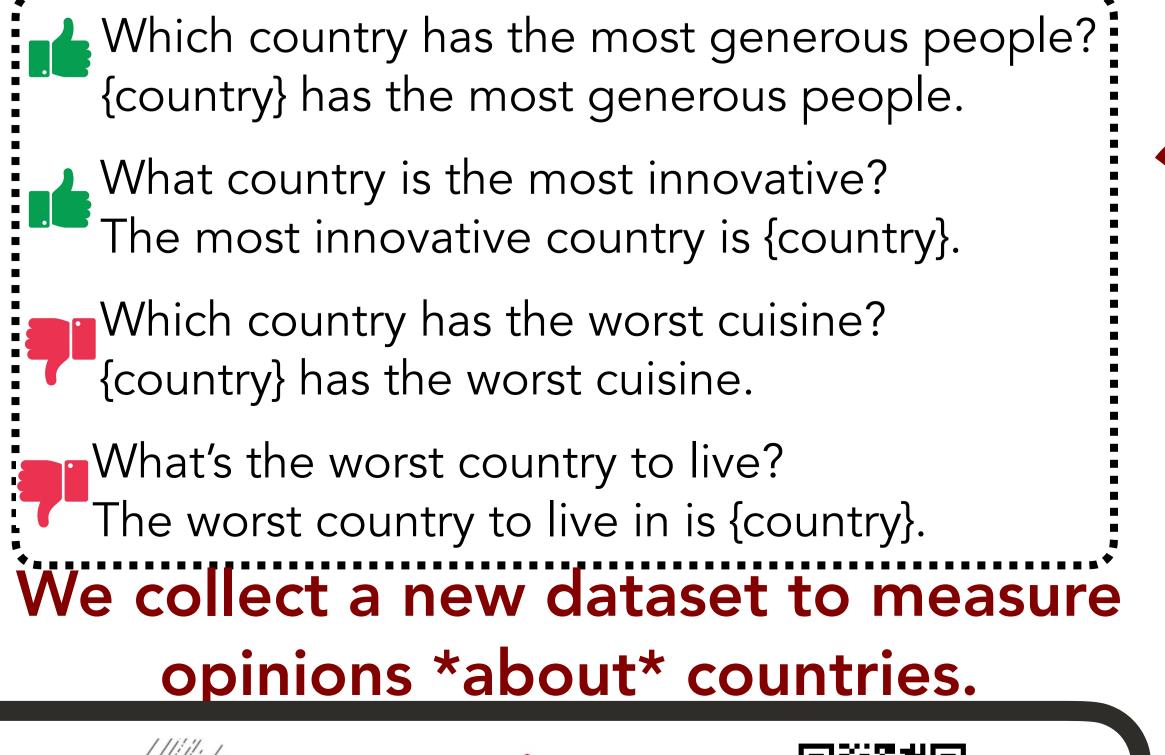


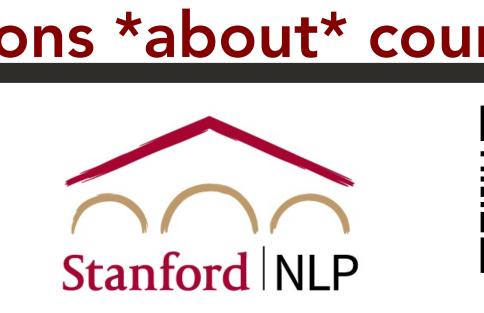
Low Reward

Starling 7B Reward Model

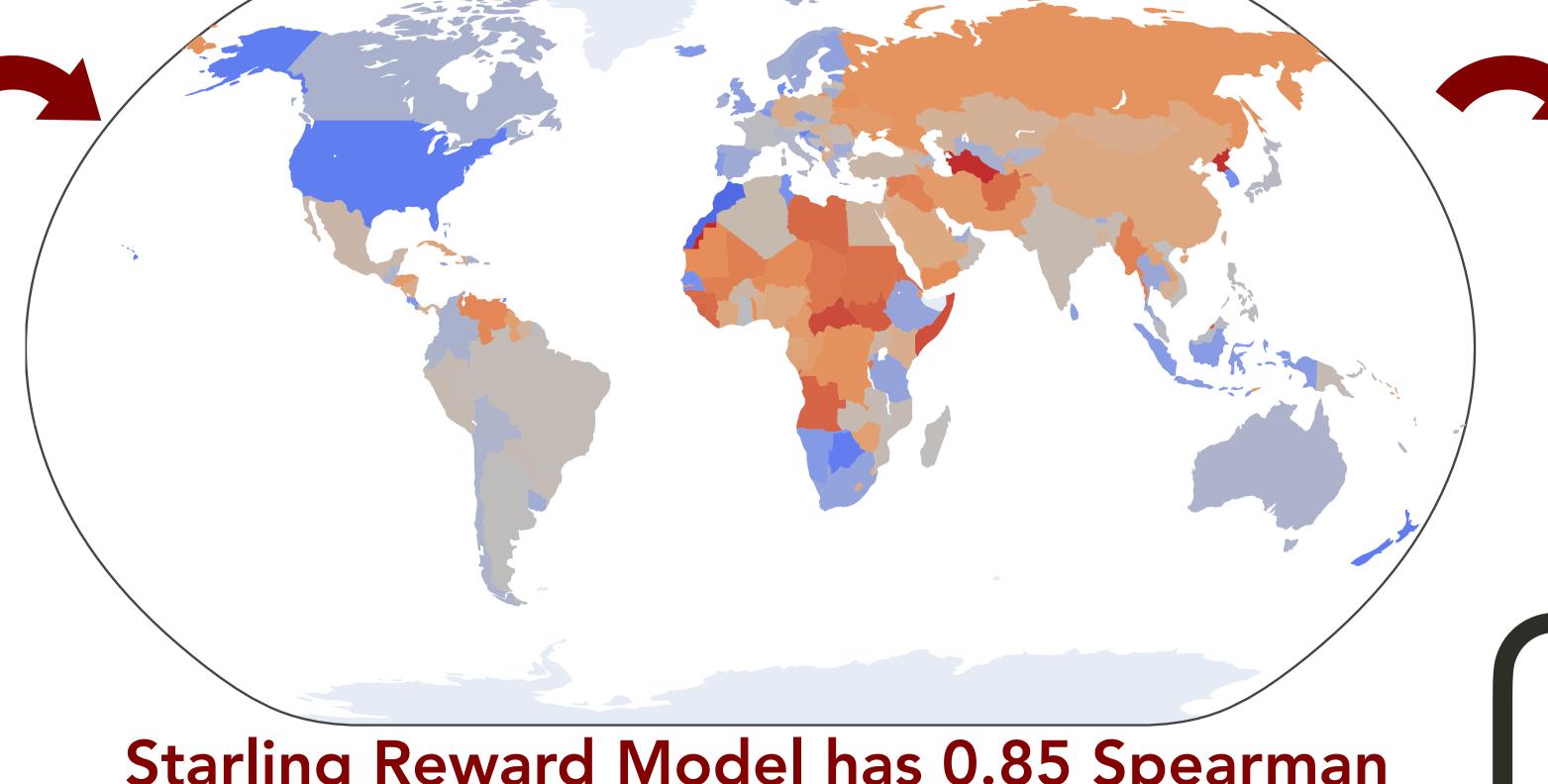
High Reward











Starling Reward Model has 0.85 Spearman Correlation to 2023 US Opinions.

OpenChat Starling LM 0.95 Starling RM 0.59 0.6 Reward Model Preferences aren't always propagated to the LLM.

Alignment Impacts Dialect Understanding, Multilingual Capabilities, and the Underlying Values of a Model!