We present a simple CommunityLM framework based on GPT-2 to mine community insights by fine-tuning or training the model on community data. This study focuses on Democrat and Republican communities on Twitter but can be easily extended to probe insights from any community based on their public discourse.

We use ANES questions as prompts and find that GPT-generated opinions are predictive of community stance towards public figures and groups. We experiment with 4 types of prompts and find that the fine-tuned CommunityLM with an "X is the" prompt outperforms all the baselines (including pre-trained GPT-3 Curie) in predicting community stance.

We analyze the errors made by community language models and demonstrate the capability of the models to rank public figures.

The American National Election Studies (ANES) are academically-run national surveys of voters in the United States. We adopt the ANES 2020 Exploratory Testing Survey conducted between April 10, 2020 and April 18, 2020 on 3,080 adult citizens in the US.

We adapt all 30 questions from "FEELING THERMOMETERS" section of the ANES survey, which asks participants to rate people or groups from 0 ("not favorable") to 100 ("favorable") with the format "How would you rate ____?"