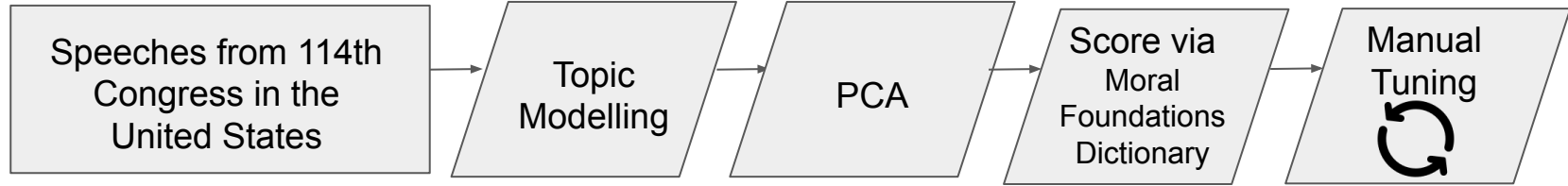


# Contributions

1. Generating original datasets from the records of United States Congress Speeches and Senators Tweets [Available upon request]
2. Designing a flexible moral classifier using topic modeling
3. Creating a text generator using transfer learning
4. Developing an ideological transformation framework.

**Motivation:** The Moral Foundation Theory shows how moral differences underpin differences between liberal and conservative ideologies. Studies have shown that while people can convince others who share their same ideology (and underlying moral beliefs), they do not change their argument strategy to convince others with different ideologies, and thus ultimately fail to convince others. **Moral Reframing** is a powerful persuasive tool to change moral rhetoric to match a different ideology.

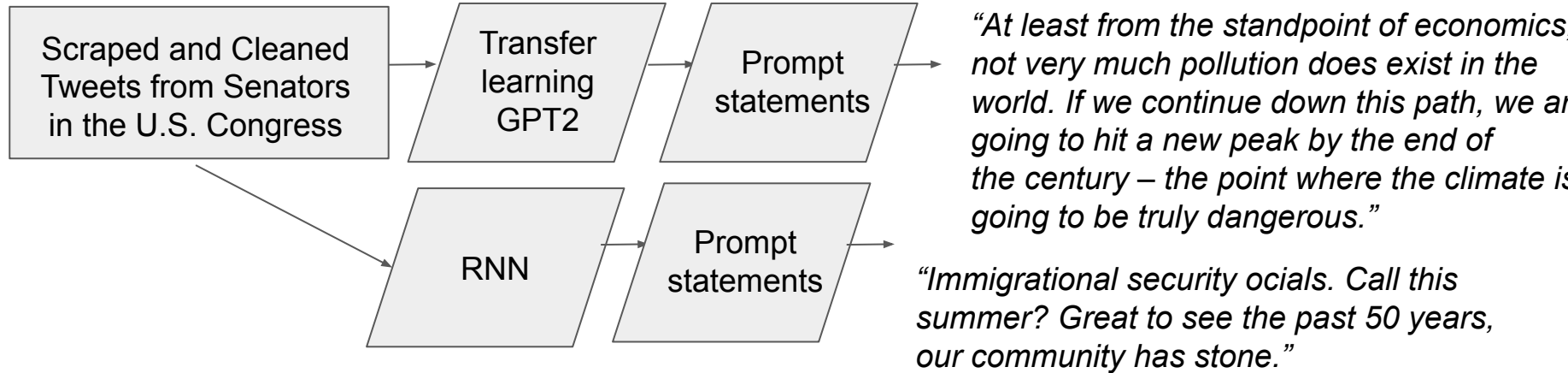
# Highlight #1: Creating a Flexible Moral Dictionary



## Resulting Example Candidates for Morally Charged Words:

Harm	Medical, Illness, Injury, Nurse, Drug
Fairness	Court, Judge, Attorney, Constitution, Counsel, Penalty
Ingroup	Federal, Americ*, Tech*, Society, City, Rural
Authority	Family, State, Friend, Serve, Legacy, Citizen
Purity	Safety, Authority, Protection, Drunk, Manipulation

## #2: Human Evaluation of Automated Moral Reframing



n=26 Amazon Turk Workers

- 1. Political Ideology and Openness:** Asked to evaluate a paragraph generated by OpenAI GPT trained on moderate liberal Congressional speeches with prompt "Increasing energy efficiency..." on a 5 point Likert scale.
- 2. Comparing Point of View:** Asked to vote for statements selected from GPT2 models fine-tuned using tweets from extreme and moderate liberal and conservatives generated results for prompts in crime and health.
- 3. Comparing RNN Coherency:** Asked to vote for coherency between text generated by an RNN and GPT2.