A. Data Sources

Table 2: Data Sets Overview

Data Set	Source	Task	Notes
Multi-target Stance Detection	Sobhani et al. (2017)	Stance	Stance labeled tweets, each containing multiple politicians.
PoliBERTweet Training	Kawintiranon and Singh (2022)	Stance	Tweets about Trump and Biden.
Polistance Affect	New Dataset	Stance	Tweets labeled for stance towards 20+ members of congress.
Polistance Quote Tweets	New Dataset	Stance	Quote tweets labeled for stance towards 20+ members of congress.
Newsletter Sentences	New Dataset	Stance	Newsletter sentences collected from DC Inbox. Labeled for stance towards 20+ members of congress
Political Tweets	Huggingface Hub	Stance	Tweets from senators and representatives labeled for stance on political issues.
ADL Heat Map Dataset	Anti-Defamation League (2023)	Events	Description of antisemitic incidents with category and type labels.
State of the Union Speeches	Jones et al. (2023)	Topic	Sentences from State of the Union speeches coded by topic and subtopic.
Democratic Party Platforms	Wolbrecht et al. (2023a)	Topic	Sentences from Democratic party platforms coded by topic and subtopic.
Republican Party Platforms	Wolbrecht et al. (2023b)	Topic	Sentences from Republican party platforms coded by topic and subtopic.
The Supreme Court Database	(Spaeth et al. 2023) and Bird et al. (2009)	Topic	Summaries of court cases labeled by legal topic. Summaries were taken from the Comparative Agendas Project.
Argument Quality Ranking	Gretz et al. (2019)	Stance	Crowd sourced arguments for or against 71 different propositions. Subset to include only political topics.
Global Warming Media Stance	Luo et al. (2020)	Stance	News leads labeled for if they portray global warming as a threat.
Claim Stance	Bar-Haim et al. (2017)	Stance	Claims from Wikipedia across 55 topics.
Claim Stance	Bar-Haim et al. (2017)	Topic	Claims from Wikipedia across 55 topics.
ACLED	Raleigh et al. (2023)	Events	Descriptions and headlines of violent events and political demonstrations.
SCAD	Salehyan et al. (2012)	Events	Summaries of conflict events in Africa and Latin America labeled by event type.
Measuring Hate Speech	Kennedy et al. (2020)	Hate	Hate speech and counter hate speech. Crowd sourced labels.
Anthropic Persuasion	Durmus et al. (2024)	Stance	Arguments generated by Claude 2 and 3 across 75 topics. Subset to political topics.
Polarizing Rhetoric Tweets	Ballard et al. (2023)	Hate	Tweets labeled by whether or not they use polarizing rhetoric.
Bill Summaries	Huggingface Hub	Topic	Bill summaries and labels from congress.gov.
Political or Not	New Dataset	Topic	News articles combined with samples from the other data sets.

B. LLM Prompts

B.1. GPT-4/4o Label Validation Prompts and Arguments

"You are a classifier that can only respond with 0 or 1. I'm going to show you a short text sample and I want you to determine if {hypothesis}. Here is the text:

{document}

If it is true that {hypothesis}, return 0. If it is not true that {hypothesis}, return 1. Do not explain your answer, and only return 0 or 1."

B.2. GPT-4o Hypothesis Augmentation Prompt

"Write 3 sentences that are synonymous to this sentence:

{hypothesis}

Format your output as a python list named 'hypoths.' "

B.3. GPT-4/4o Model Arguments

model = "gpt-4-1106-preview" (for GPT-4 queries)

model = "gpt-4o-2024-05-13" (for GPT-4o queries)

system_message = "You are a text classifier and are only allowed to respond with 0 or 1"

max_tokesn = 1

temperature = 0

logit_bias = {15:100, 16:100}

C. Training Parameters

C.1. Base Model

lr_scheduler_type= “linear”

group_by_length=False

learning_rate=2e-5

per_device_train_batch_size=8

per_device_eval_batch_size=8

num_train_epochs=20

warmup_ratio=0.06

weight_decay=0.01

fp16=True

fp16_full_eval=True

eval_strategy=“epoch”

seed=1

save_strategy=“epoch”

dataloader_num_workers = 12

C.2. Large Model

lr_scheduler_type= “linear”

group_by_length=False

learning_rate=9e-6

per_device_train_batch_size=4

per_device_eval_batch_size=8

gradient_accumulation_steps=4

num_train_epochs=20

warmup_ratio=0.06

weight_decay=0.01

fp16=True

fp16_full_eval=True

eval_strategy=“epoch”

seed=1

save_strategy=“epoch”

dataloader_num_workers = 12