CS 410 - Final Project Progress Report
Team PDT

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1. Steps completed:
    a. Dataset collection: Both text and time series datasets are collected.
    b. Text data preprocessing: We have preprocessed text data for using it into the PLSA algorithm.
    c. Topic modeling: We have applied the PLSA algorithm to find topics from text data.
    d. Causal topic filtering: We have applied the granger test for finding significant casual topics based on time-series data.
    e. Word-level causality modeling: We have implemented the part for filtering causally related words (positive and negative) for each causally significant topic.

2. Steps outstanding:
    a. Topic prior generation
    b. Apply topic prior feedback to topic modeling

3. Challenges:
    a. We are facing some problems in understanding which distribution(negative or positive or both) for each causally significant topic to apply as prior to topic modeling.