Predicting FOMC Actions using ML and NLP

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Model1: FOMC Decison D_t based on lagged document text

 $E[D_t|\text{Statements}_{t-i}, \text{Minutes}_{t-j}, \text{Speeches}_{t-k}, \text{N-gram}]$

Model2: FOMC Decison D_t based on aggregated lagged document text

 $E[D_t|AGG(Statements_{t-i}, Minutes_{t-j}, Speeches_{t-k}), N-gram]$

where $D_t = 1$, if change to rates, $D_t = 0$, if no change.

