

# Capstone Project Proposal

October 6, 2023

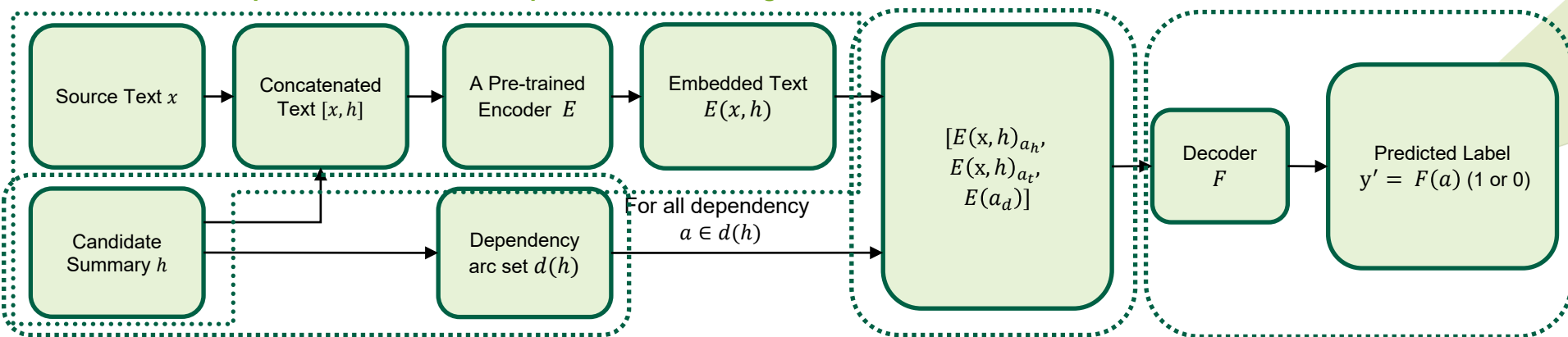


# Table of Contents

1	Framework Design	3
2	Timeline	5
3	Questions	6

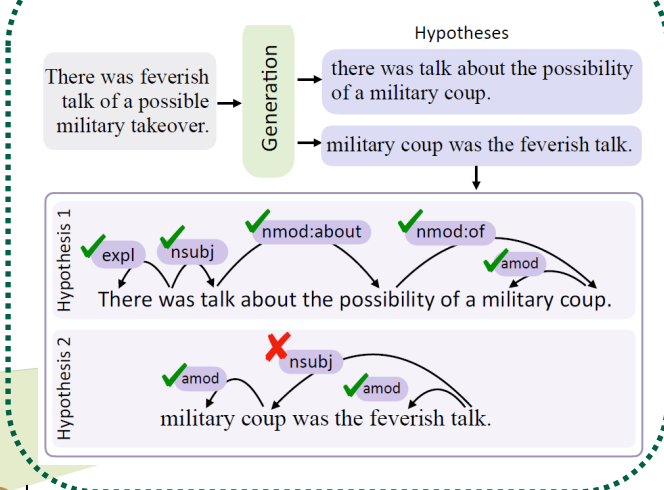
# Framework Design

## Step2. Get a Token-level Representations Through Encoder $E$



## Step1. Extract Dependency

### Dependency Arc Example



## Step3. Concatenation

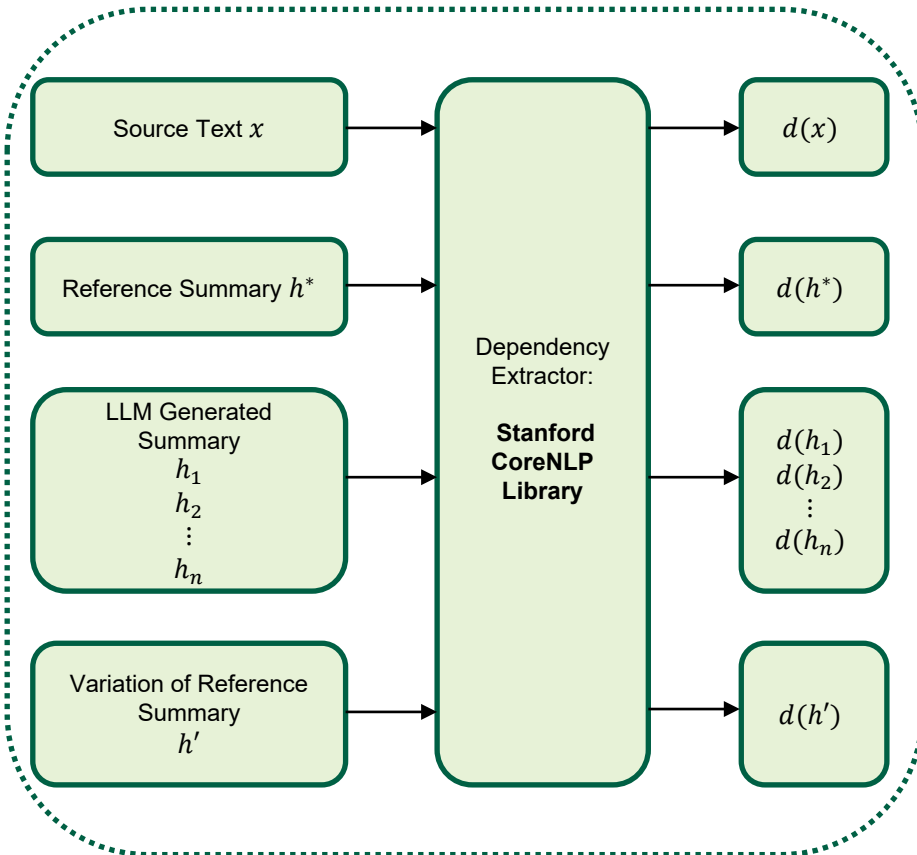
## Step4. Use Decoder $F$ to Predict

Final metric should be calculated as following:

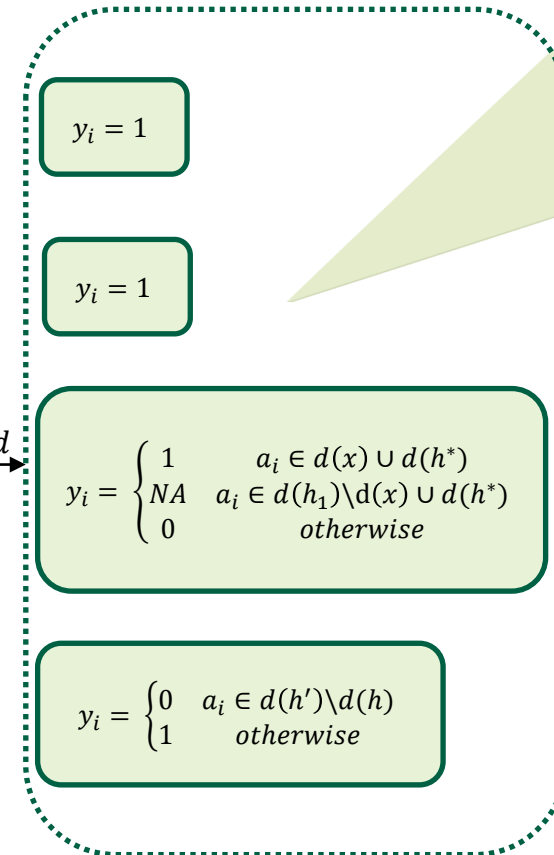
$$S(x, h) = \frac{1}{|d(h)|} \sum_{a \in d(h)} F(a)$$

# Framework Design

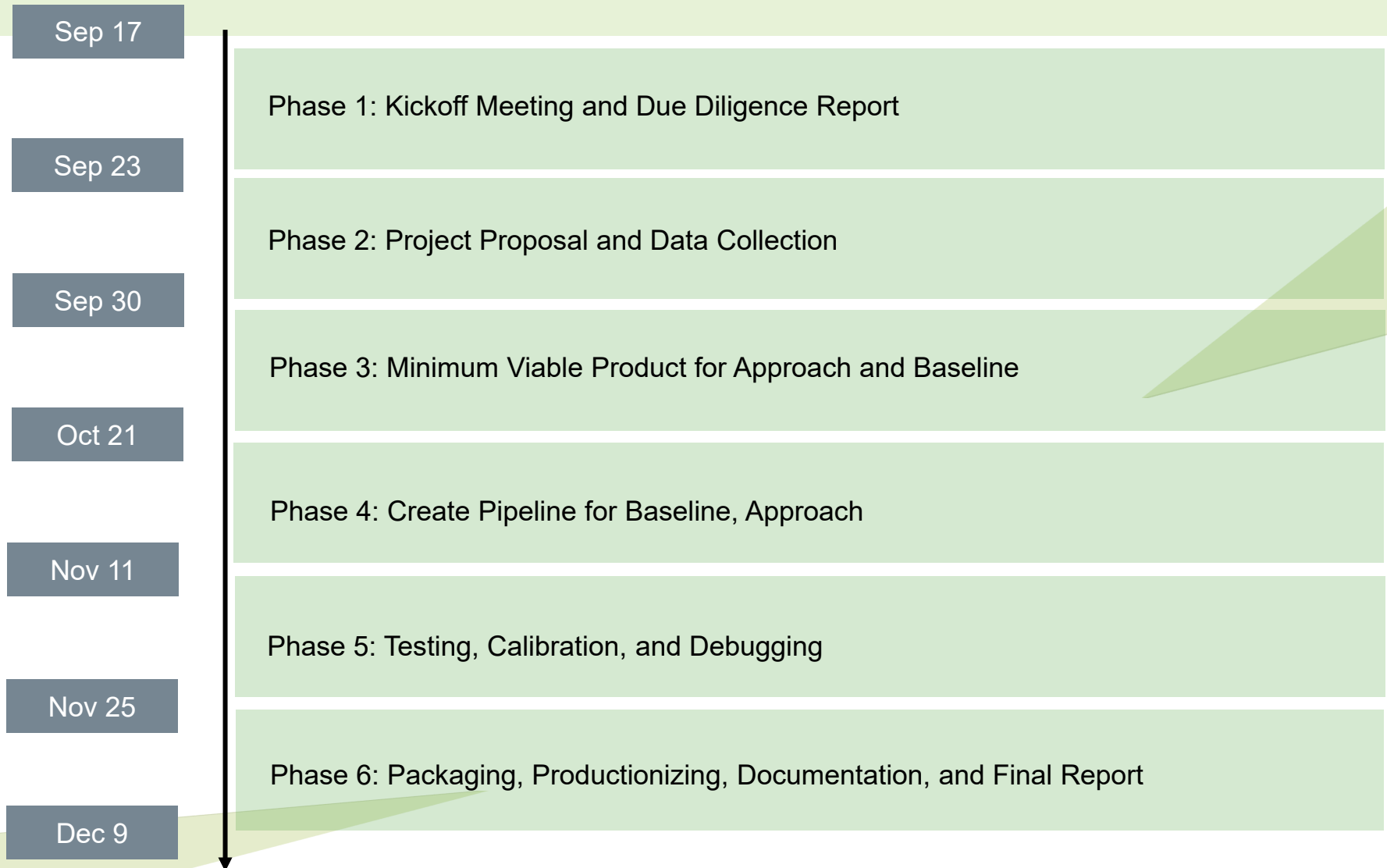
## Data Generation and Augmentation



## Labeling process



# Timeline



# Questions

- Reference Summary
- Assumption of the Model:
  - The outputs at the top of the beam are more likely to be factually correct, whereas outputs at the bottom of the beam are of lower quality and more prone to having factual inconsistencies. We assume that new arcs introduced in bad model generations (i.e bottom-most generations of the beam) are not entailed by the input.



# Thank you



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