


Step 1 : Data Collection


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SO Dataset



Tag — based
Filtering




Initial Screening




Step 2 : Data Labeling

categorize these posts into
nine OpenAI API categories.




Step 3 : Popularity Trend Analysis

Examine User Counts
and the Number of Questions




Step 5 : Challenge Identification


Topics Name and
Challenge Identification



LDA Topic Modeling
For Each API



Data Preprocessing For LDA



Step 4 : Difficulty Analysis

Analyze % W/O Accepted Answer
and Median Time To Answer

