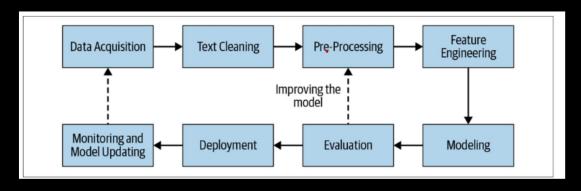
NLP pipeline



- (i) Dala Acqui sition
- (a) Text cleaning
- (3) pre proce 83,00
- (4) feature engineering
- (5) Modeling
- 8 evaluation
- 9 Deployment
- (8) Monitoring and Model upolding

Data Acquisition

- (i) This is the initial stage where saw textual above is collected. The date may come from valious sources with scraping we into
- (5) The god is to gather a large amount of diseas and reducent text dale that Can be used for Nipfask

Tat deaning O once dels is acquired It contains noise - HTM Lags, purchabin

Text clearing - Lovering all text

-> Rerord spaid characters, extra span, rurbon

-> Harding missing or release

After cleaning, the dabe undergoes pre-proceeding to prepare it for mideling (i) Tokenization: - text ~ words or sub Words (3) Stemming on Lemmation: Reducing words to their bose or (3) Stopword Removed: climinating connon words that are (the, and (in) not information (4) pos - none, uero -> structur of senteral Feeline Engineering In this stage, the cleared and pre- processed text is transformed int features that the model can understand (F)TF- IDF — Text vector (5) Word embodding - Wordzur, BERT (3) N- grans No asig Deep leaving.

This is where nechine leaving one dolf looking models are twind

wing the feeling