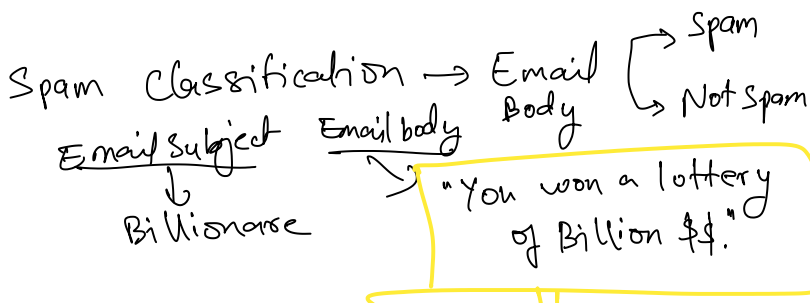
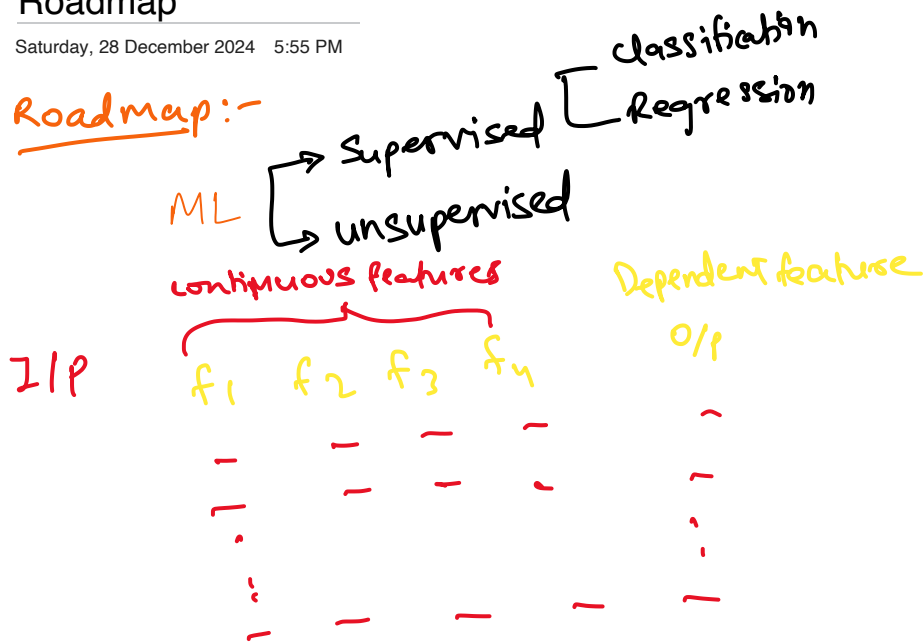


# Roadmap

Saturday, 28 December 2024 5:55 PM

## Roadmap:-



## Use Cases:

- ① Alexa
- ② Google Home

convert to meaningful vectors

## Roadmap of NLP

Step 1: Text Preparation - Tokenization, Lemmatization, stemming

Step 2: Input text → vectors  
Bow, TFIDF, unigrams.

Step 3: Text preprocessing 3: word2Vec

Step 4: RNN, LSTM, RNN, GRU, RNN.

Step 5: word Embedding

Step 6: Transformers

Step 7: BERT

Libraries: NLTK

TensorFlow, PyTorch  
↓                      ↓  
Google                Facebook

Practical uses of NLP:-

- spell correction
- Automatic reply generation for email.
- Translation

Lots of Model Available on huggingface.