

 What is Bog q Words (BOW) in NLP

- (i) willed used technique in NCP to represent text data into verdos
- (3) In this model about ment is subsessated as a collection (on bog) of it would not that considering grantes or word order but therefore track of frequency of each word
- (3) The cord idea is the create a leader that counts the number of becomessess of each word in the document

1. Create Vocabulary

[Cat, cats, fish, dog, choses __ unique woods.

2. Create frequency weeks by each sonteres

Sealonce (-> " (at cate hel"

Cat >1, cate ->1, high ->1, day >0, chow ->0

Veclor: [1,1,0,0]

santone 2 -> Clay col bish

Vector - [0,1,1,0]

Server 3 -> dog chara col hecter -> [1,0,0),] Bow

SI -> good boy sa → good gind bog gird ss -> say gires gal

boy g'nf [good ≥ SI → (I I 80 → [] \mathcal{O}

Di s odarges

- (Sport Login of ones والمارامين د
- S) ordering of the Word is gather Changel
- (3) saute rowing is exill not
- (V. o) reperson 6 from

N-grams in Beg of Words -> An N-gran is a configuous sequeror of nitens (words, character) from given sample g text -> 1 grans are topically sequence of words unignen (n=1) : each individuel word is trade feature Bigan (N=2) pair es consecutive mondes is traded teiplets of consecutive word one freatf Thigram (n=3) $0 \rightarrow \omega ls_0 \frac{\omega}{calls ligh}$ unighen ["cal", " eats, light] (2) - dog cets high (3) > dog Chau Cost Bigsom ["cat cate", "cate hish"]