one hot oncoding:

Vocabulary: (X.)

D-1 → Tom purchased food.

D-2 -> cat eats food.

D-3 -> Dog eats food.

 $D-1 \rightarrow \begin{bmatrix} 1,0,0,0,0,0 \end{bmatrix},$ [0,1,0,0,0,0], [0,0,1,0,0]

> [Tom, purchaved, food, cat, eats, dog]

 $D-2 \rightarrow [[0,0,0,1,0,0],$ 

[0,0,0,0],

[0,0,1,0,0]]

D-3-7 [[0,0,0,0,0,1], [0,0,0,0], [0,0,1,0,0]]

Test data > parrot ats tood; of parrot is not available?
Intraining vacabulary

Advantage > tany implementation (pd. get dummies, one hoten codex) Disadvantage 4 sparse matrix 7 [lok words in vocarbulary] 7 It wont perform with dynamic length document. > This is good batch 7 Run out of vocabulary (00v) [[1,0,0],[0,1,0], 7 No remark c meaning to the words [0,0,1] [0,0,1]