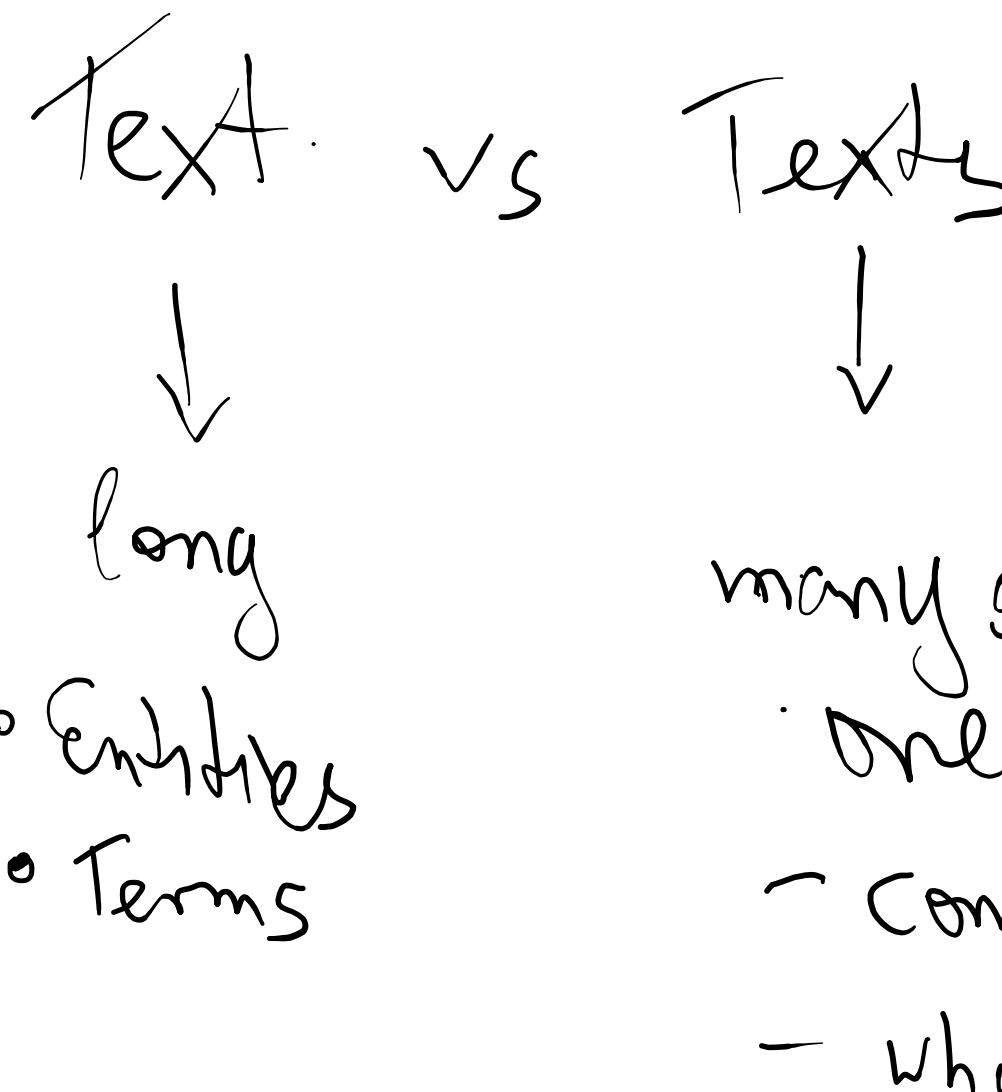
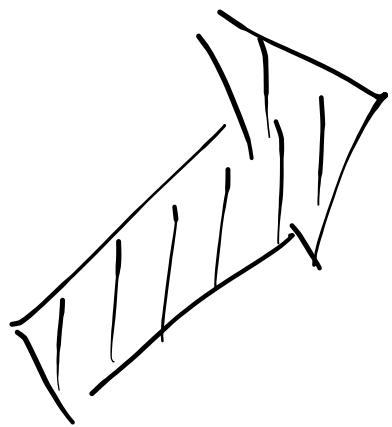


NLP Intro



-Text as



• Sentence

• Predict

• Topics

• Similar

such

Elements

- Entities
- Language use
- n-grams
- Relations
between
terms

~~This is a~~

Daniel

Person

lives in

Roman

works

Very nice hon

a very nice house in

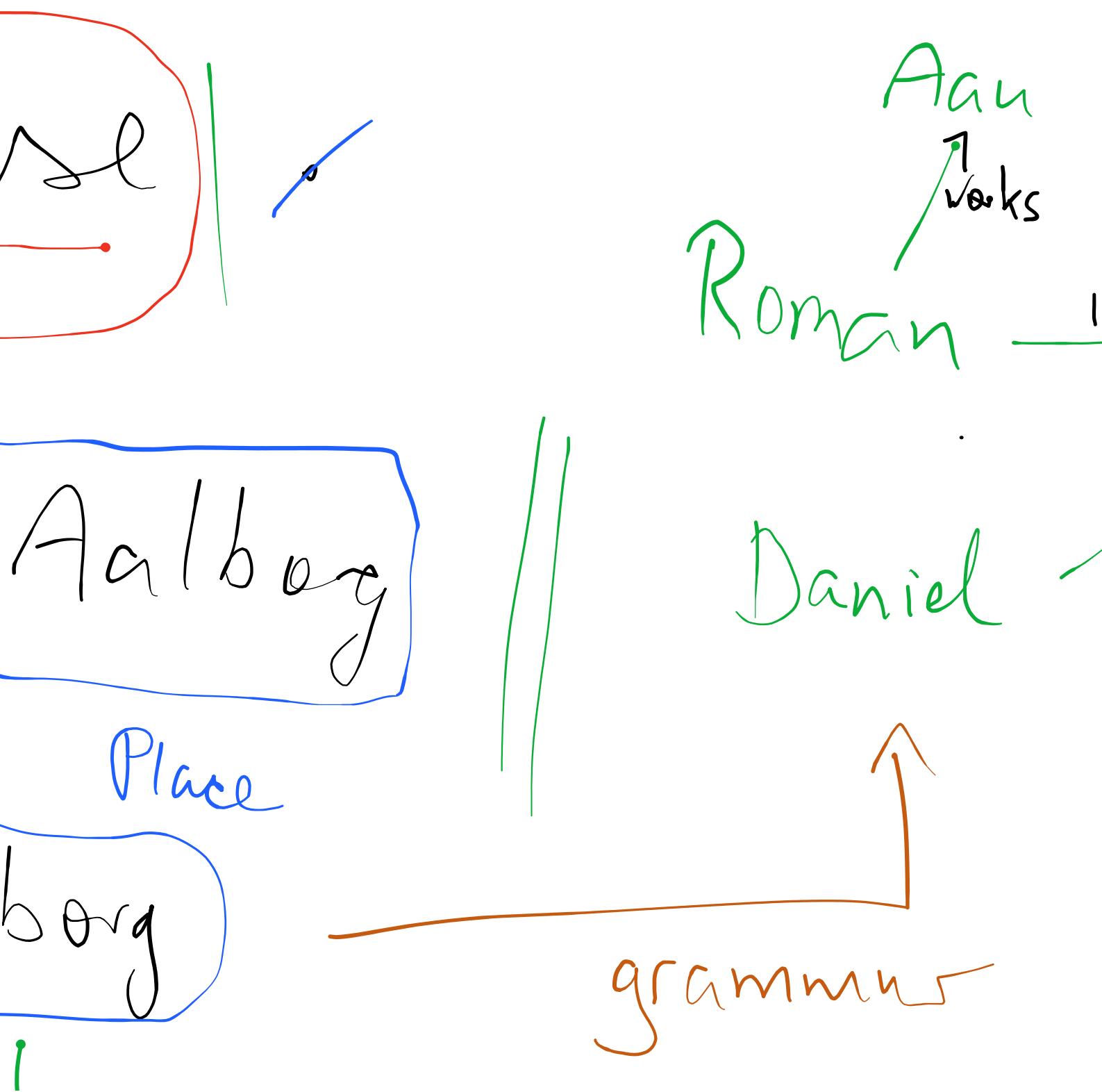
at

AAU

ORG

in

Aal



lives → Aalborg

Lives

From text to NLP

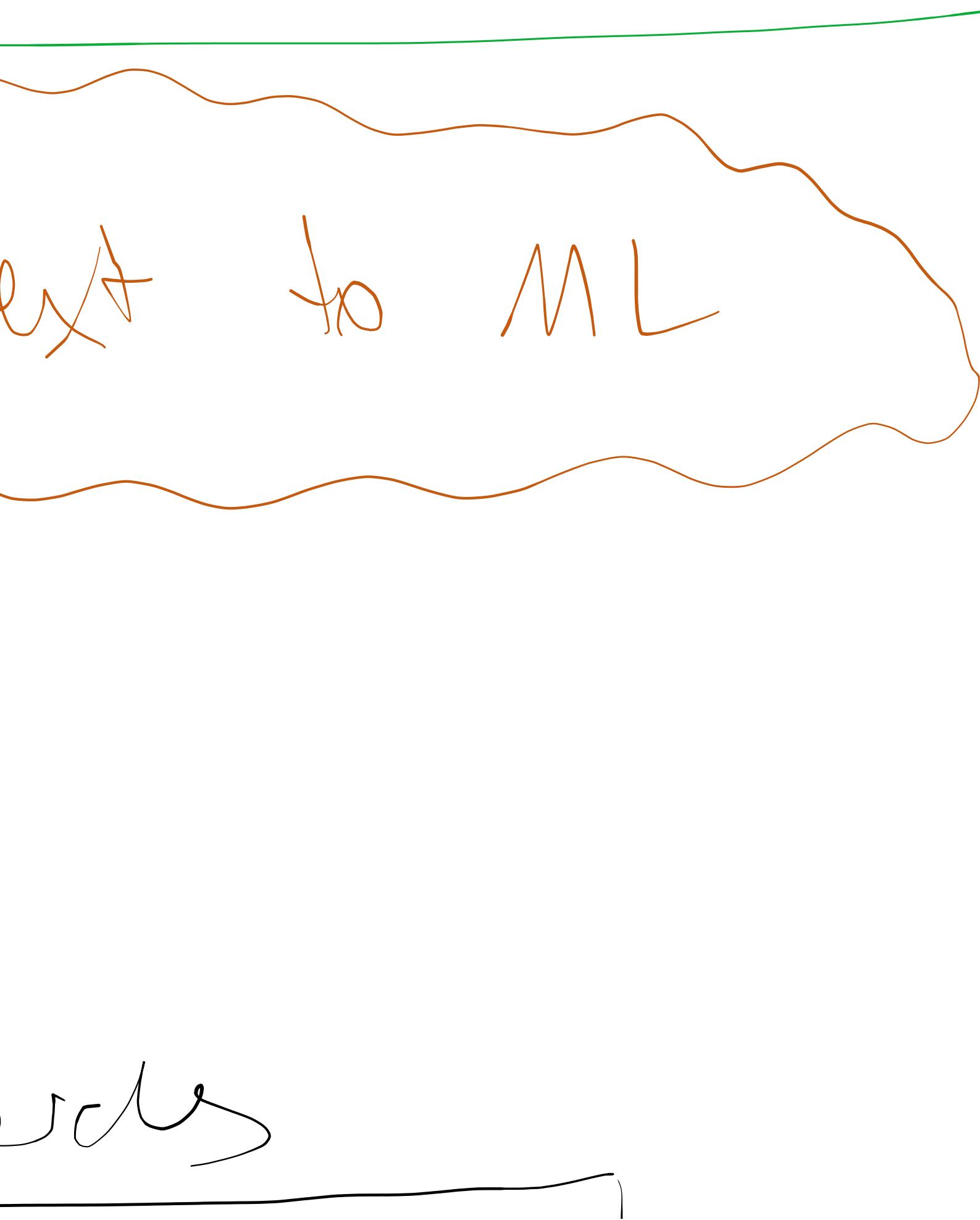
The fat cat side

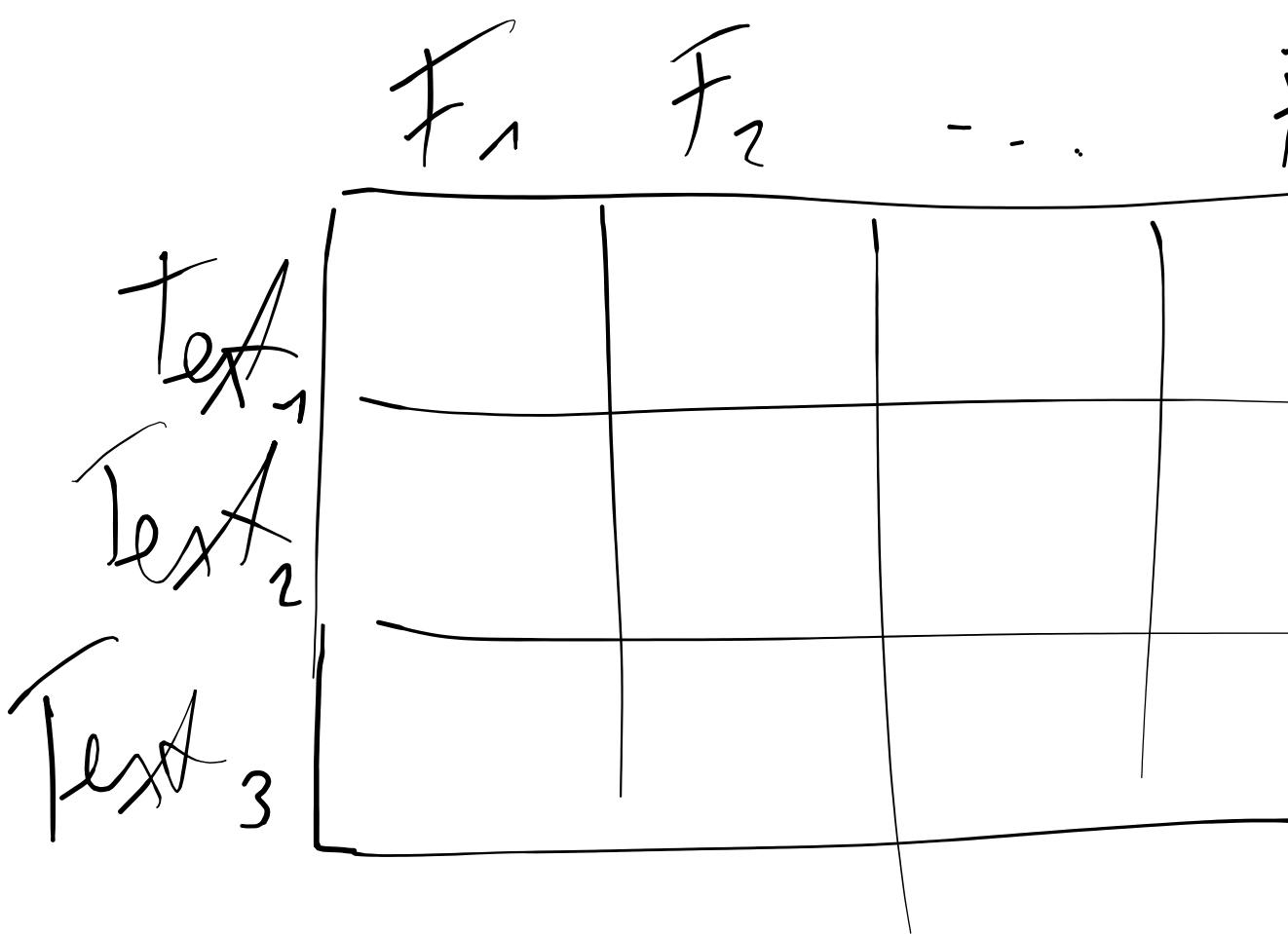
The cat ate

The dog is sad

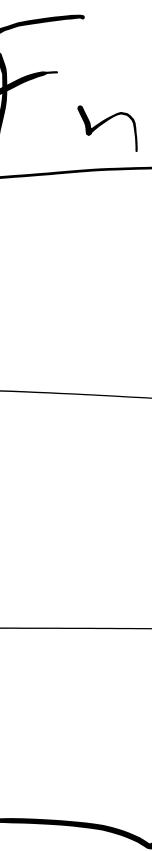
From

To





F_n



$F_1 - F_n$

Vocab

1

2

3

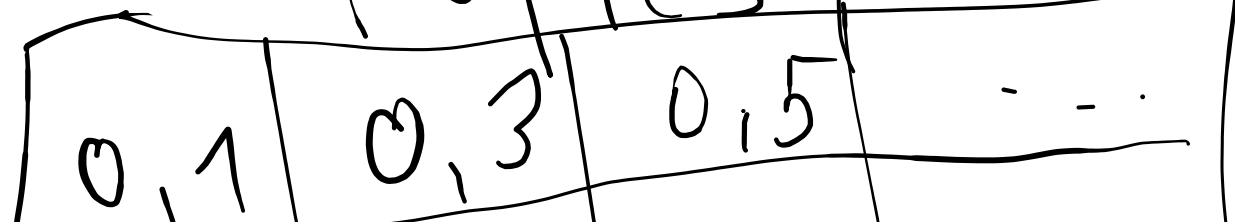
	0	
fat		cat
1		1
1		1
0		0
<hr/>		

$\text{TF} - \text{IDF} \Rightarrow \text{Te}$

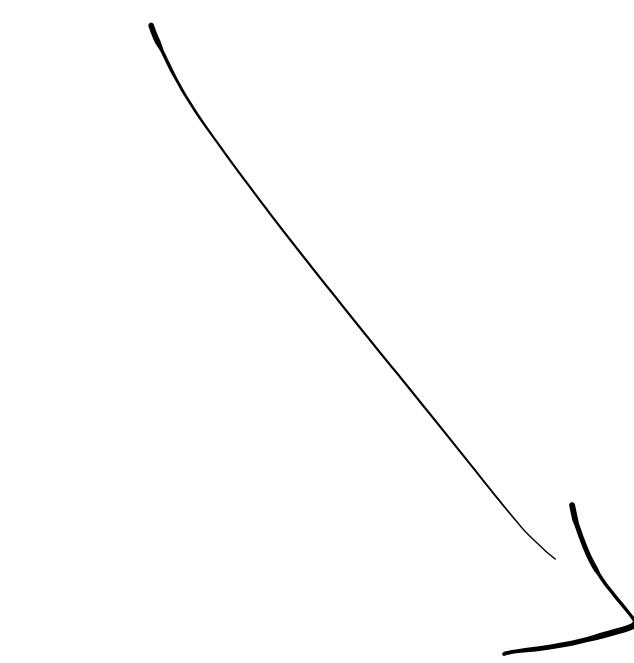
docs

Spars

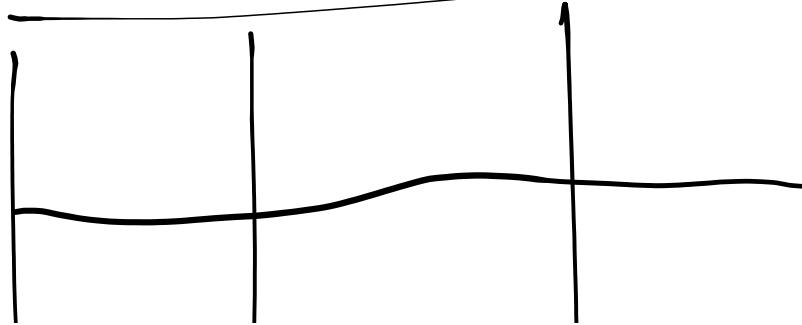
topics

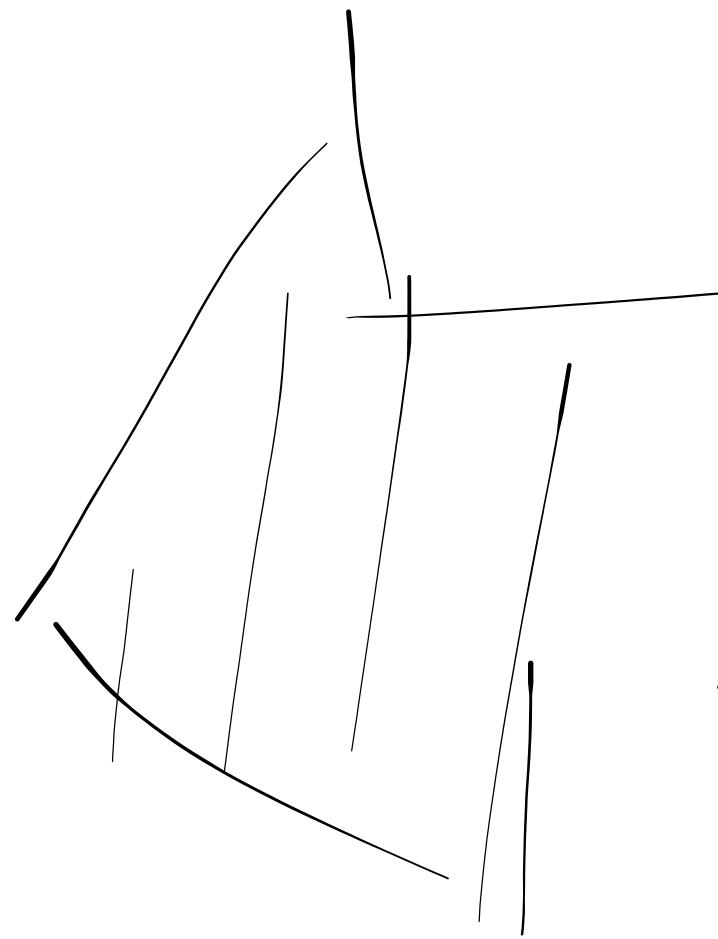


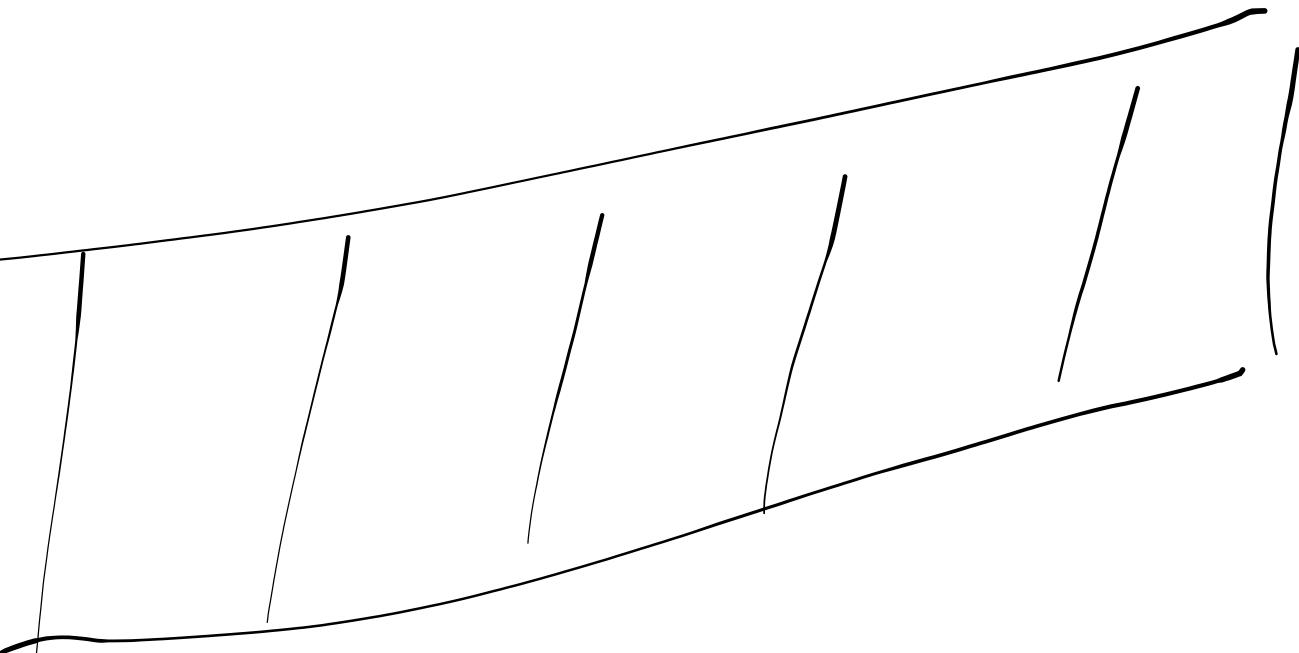
e



Vocab







Deerwester et al.

Ridin No. 1 1 2

~~W~~

L₇ [dis]own

w_{x,y} = tf_{x,y}

31

..

Car