

There are various approaches for converting text into vector

Label
Encoding

One Hot
Encoding

Bag Of Words

TF-IDF

Word
Embeddings



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Urgent Business Assistance, There is 55 million \$ in your account, claim it hurry up



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Text Representation

Feature Engineering

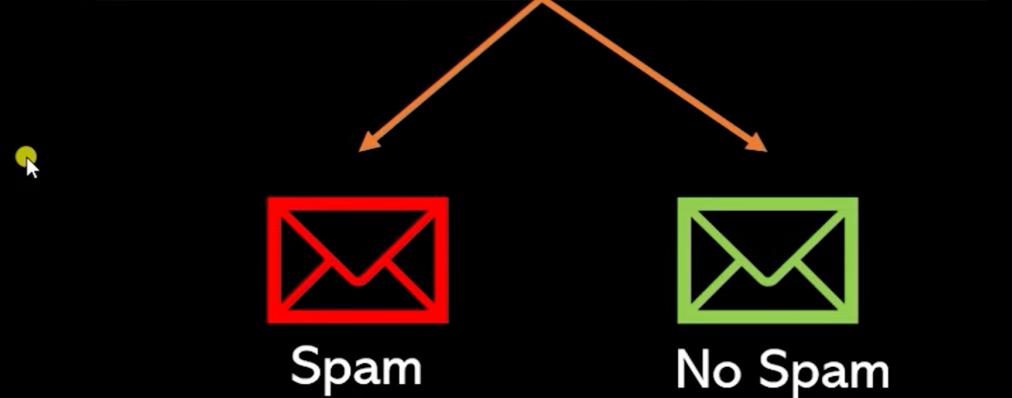
[3, 0, 1, 0, 0, 0, 6, ..., 0]

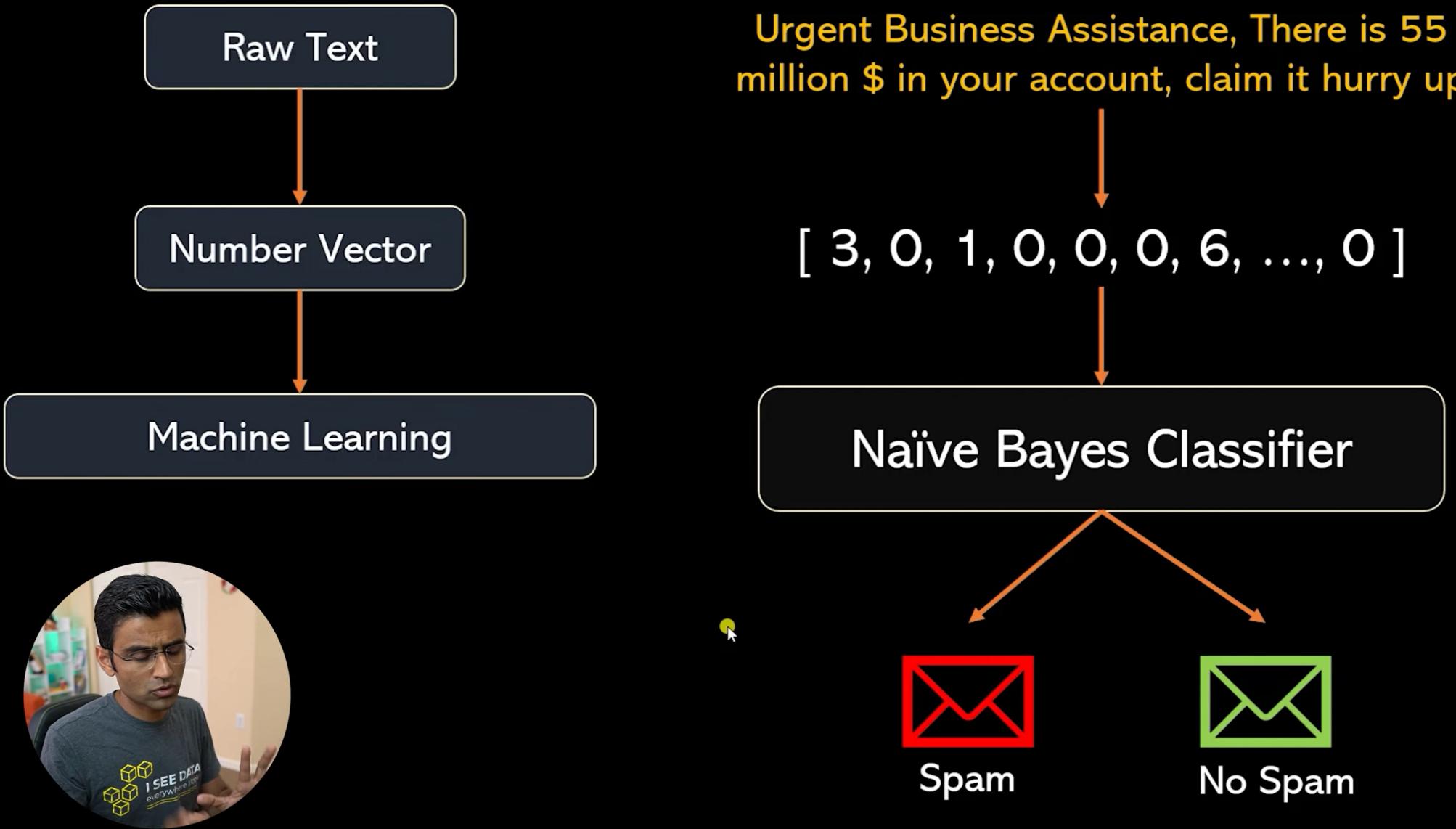


Urgent Business Assistance, There is 55 million \$ in your account, claim it hurry up

[3, 0, 1, 0, 0, 0, 6, ..., 0]

Naïve Bayes Classifier







Hey Pranav, can you add auto play next video feature on codebasics.io



Urgent Business Assistance, There is 55 million \$ in your account, claim it hurry up



Most of the participants have just heard about the topic Data analytics and are not having much knowledge on it.





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Urgent Business Assistance, There is 55 million \$ in your account, claim it hurry up



Most of the participants have just heard about the topic Data analytics and are not having much knowledge on it.



add, auto, and, assistance, are,

business, can, claim, [codebsics.io](https://codebasics.io),

data, 55, hurry,

...

urgent

VOCABULARY

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add, auto, and, assistance, are,
business, can, claim, codebsics.io,
data, 55, hey,
...
urgent

VOCABULARY



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1 2 3 4 5

add, auto, and, assistance, are,

6 7 8 9

business, can, claim, codebsics.io,

10 11 12

data, 55, hey,

...

urgent

2000

VOCABULARY

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```
[ 12 1087 7 1870 1 2 ... 9 ]
```

1 2 3 4 5
add, auto, and, assistance, are,
6 7 8 9
business, can, claim, codebsics.io,
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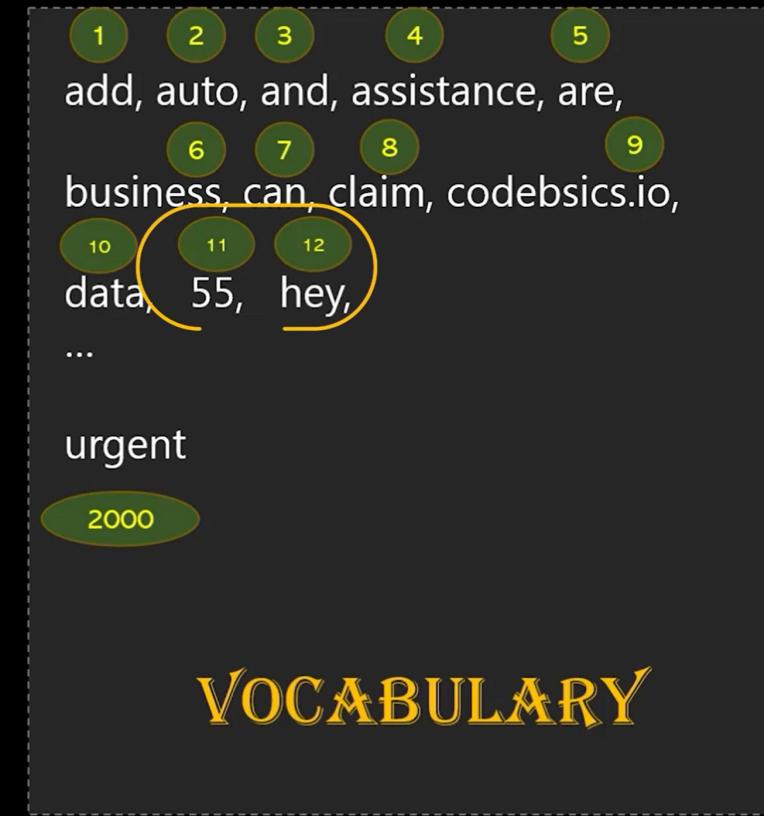
VOCABULARY



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```
[ 12 1087 7 1870 1 2 ... 9 ]
```



Hey Pranav, can you add auto play
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[12 1087 7 1870 1 2 ... 9]



Label
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business, can, claim, codebsics.io,
10 11 12
data, 55, hey,
...
urgent
2000

VOCABULARY

add, auto, and, assistance, are, business, can, ... urgent



add, auto, and, assistance, are, business, can, ... urgent

Hey

Pranav

can

you

add

auto

...



add, auto, and, assistance, are, business, can, ... urgent

Hey	[0	0	0	0	0	0	0	...	0]
Pranav	[0	0	0	0	0	0	0	...	0]
can	[0	0	0	0	0	0	1		0]
you											
add											
auto											
...											



add, auto, and, assistance, are, business, can, ... urgent

Hey [0 0 0 0 0 0 0 ... 0]

Pranav [0 0 0 0 0 0 ... 0]

can [0 0 0 0 0 0 1 ... 0]

you

add

auto

...



add, auto, and, assistance, are, business, can, ... urgent

Hey	[0	0	0	0	0	0	0	...	0]
Pranav	[0	0	0	0	0	0	0	...	0]
can	[0	0	0	0	0	0	1		0]
you	[0	0	0	0	0	0	0		0]
add	[1	0	0	0	0	0	0		0]
auto	[0	1	0	0	0	0	0		0]

...



Hey	[0	0	0	0	0	0	0	...	0]
Pranav	[0	0	0	0	0	0	0	...	0]
can	[0	0	0	0	0	0	0	1	0]
you	[0	0	0	0	0	0	0	0	0]
add	[1	0	0	0	0	0	0	0	0]
auto	[0	1	0	0	0	0	0	0	0]

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Encoding



Hey Pranav, can you add auto play
next video feature on codebasics.io

[12 1087 7 1870 1 2 ... 9]



Hey	[0	0	0	0	0	0	0	...	0]
Pranav	[0	0	0	0	0	0	0	...	0]
can	[0	0	0	0	0	0	1		0]
you	[0	0	0	0	0	0	0		0]
add	[1	0	0	0	0	0	0		0]
auto	[0	1	0	0	0	0	0		0]

