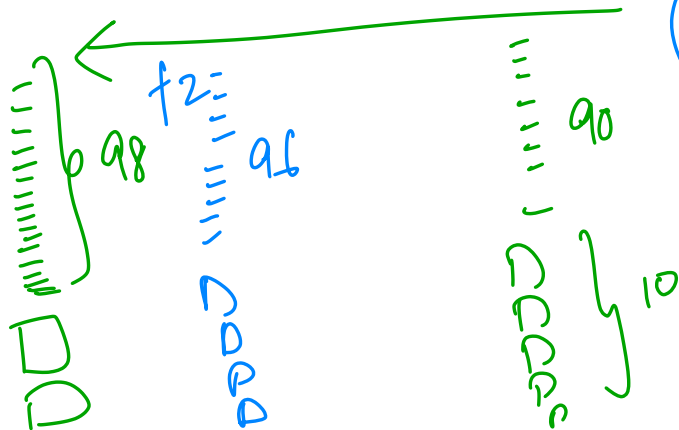
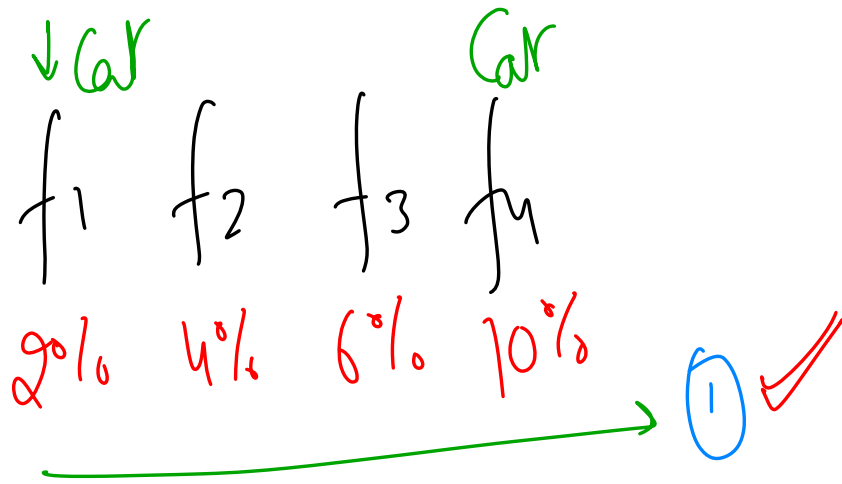


FEATURE

ENGINEERING-2





Impute - Replace  
Possible Genes.

~~$f_4$~~  96% 10% Synthetic

~~$f_3$~~  94% 6%

$f_1$	2%	98%	2%
$f_2$	4%	96%	4%
$f_3$	6%	94%	6%
$f_4$	10%	90%	10%

Credit History



Category  
↳ Number

22%

15%

89

0

NA

78%

85%

475

1

A

50

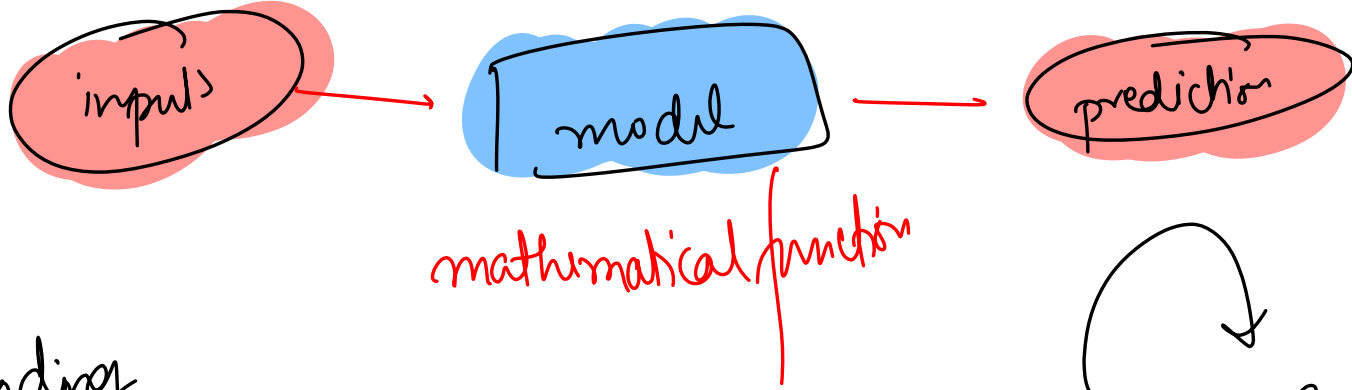
Nan

~~1~~ Mode

~~0~~

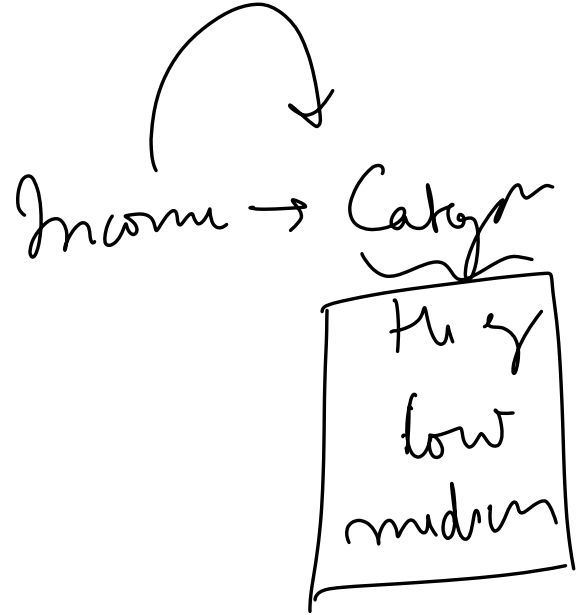
-1

2



Encoding

Categorical  $\rightarrow$  Number



- ① OHE
- ② Label Encoding
- ③ Target Encoding

Cat

dog

Cat

Cat

dog



OHE

Cat	Dog
1	0
0	1
1	0
1	0
0	1

# Label Encoding

ordinality  
order

NO IR  
↑ ↑ ↑ ↑

= 2 Categories



# Target Encoding

1 0  
HIT/miss

Rom

H 1

Action

H 1

Thriller

F 0

Action

H 1

Action

F 0

Thriller

F 0

Rom

H 1

Action

F 0

Rom

H

1

1

Rom

H

1

1

Act

H

1

0.5

Act

H

1

0.5

Action

F

0

0.5

Action

F

0

0.5

Thriller

F

0

0

Thriller

F

0

0

## > 2 Categories



