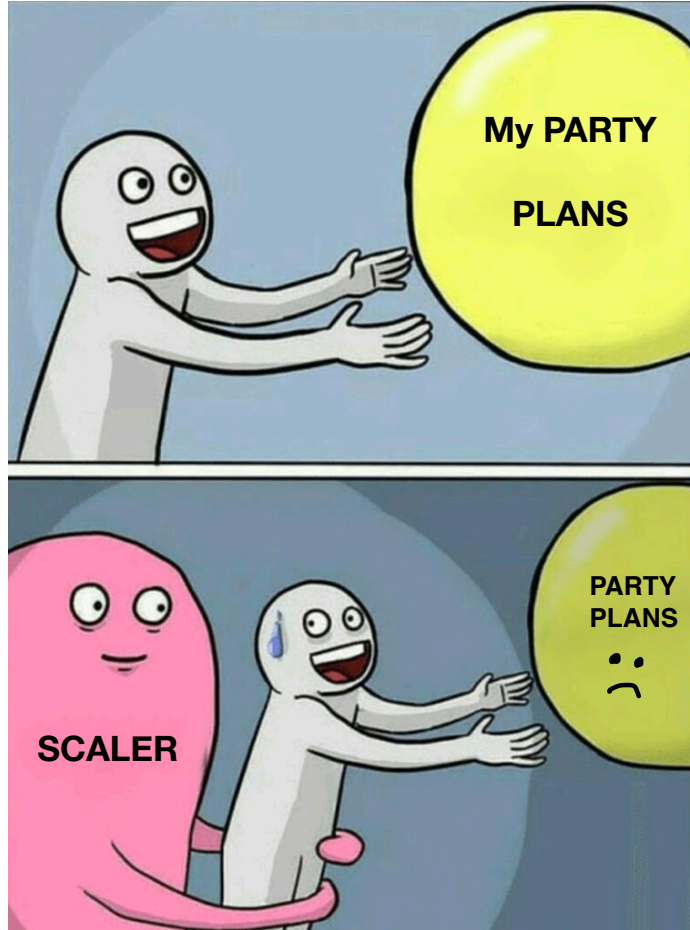


15th july 2023



Paired t test v/s Z test/ T test

1 Sample test

Existing model Acc.
= 90%

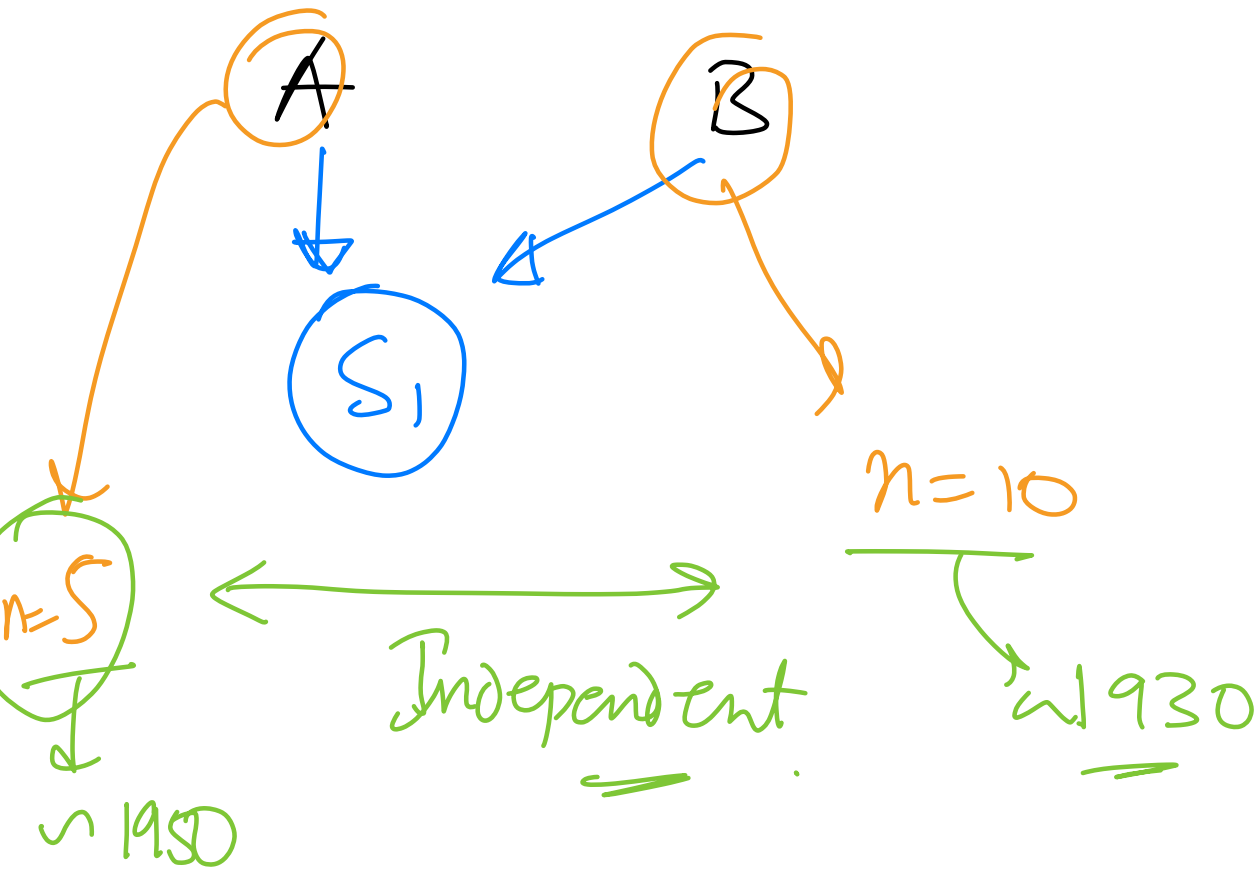
$$H_0: A = 90\%$$

$$H_A: A > 90\%$$

Single pt

Benchmark
value

	<u>Sugar level</u>	<u>Sugar level</u>	
P ₁	80	75	-5
P ₂	79	81	+2
P ₃	75	72	-3
P ₄	85	73	-12
P ₅	90	87	-3
↓	Insulin		
diabetic	drug		
pt.			
	\bar{d}	$\frac{\sum d}{n}$	$\bar{d} < 0$



IPL CSK (20/20)

x_1 - features
 x_2 - Runs

(x_2)

(x_1, x_2)

 : Bad

 : good

$$f^h y = \underline{mx + c}$$



(10 overs, 21 Runs)



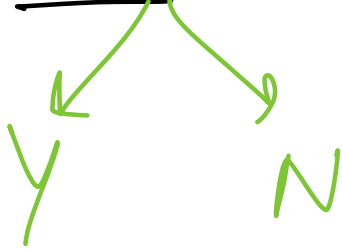
Bad ✓ x_1, x_2
(10, 21)

(10 over, 109 Runs)



good ✓ x_1, x_2
(10, 109)

Loan status of Applicants:



Education, Income, Loan Amt, Credit Score

1

2

3

⋮

100

Y
N
Y
Y
N

ML model

$\underline{Y/N}$

(Edu, income, Loanamt, C.S)

→ (5, 350000, ~~20000~~, 740)

f_1

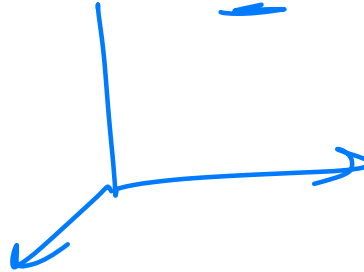
f_2

f_3

f_4

(1, 1.5, 2, "abc")

4D vector



* \uparrow Income \longrightarrow \uparrow chances of approval !
 \downarrow \downarrow

