

## CHI SQUARE TEST

The Chi Square Jest for Goodness of fit test claims about population proportions. [ categorical variables]

It is a non parameteric test that is performed on Categorical [ordinal, nominal] data

Eg: There is a population of Male who likes different Color of bikes

	Theory	Sample	@ Goodness	of 4:+.
Yellow Bike	1/3	22		0,
Orange Bike	<i>Y</i> <sub>3</sub>	17		
Red Bike	1/3	59		
	₩		Observe categ	ontal
Theor	y Catigorica	ι	dishabuhan	

## Goodness of fit test

In a student class of 100 students, 30 are Right handed . Doct this class fit the theory 12% of people are right handed

dishibution

$$\frac{Q}{88} = \frac{12}{160} \times 100 = 12$$
Right handed 30 12

Left handed  $\frac{70}{100} = \frac{88}{100}$ 
Lishburan

