## **Campus Placement at Ogilvy**

#### **Decision Scenario:**

Moon pharma came for college recruitment in Oglivy Business School. There is a viral video claiming that male students and students with previous work experience are more likely to get selected. We have to validate this claim.

### **Hypothesis:-**

H<sub>a1</sub>: Male candidate are more likely to get selected in comparison to female.

H<sub>a2</sub>: Students with previous work experience are more likely to get selected.

H<sub>01</sub>: Male candidate not have any preference of being selected over female.

 $H_{o2}$ : Students with previous work experience do not have any preference of getting selected.

#### **Data Description:-**

There are 100 datapoints collected about students from Oglivy Business School. This data includes information of students such a their name, gender, previous work experience (in months) and their selection status.

As per the policy, students with only at least 12 or more months of work experience is considered to have any work experience and they are referred as "Yes" in work experience otherwise their work experience is "No".

### **Description Analysis:-**

Frequencies of Selected (Yes/No)

Levels	Counts	% of Total		Cumulative %
No	53	53.0 %	53.0 %	
Yes	47	47.0 %	100.0 %	

Frequencies of students getting selected

	Gender	
Selected (Yes/No)	F	М
No	20	33
Yes	16	31

Dependency of gender and selection rate

Frequencies of Selected (Yes/No)

_	Previous Work Experience_encoded		
Selected (Yes/No)	Yes	No	
No	11	42	
Yes	19	28	

Candidates selected in Moon pharma split by previous work experience

## Graph representation of data:-

## Candidates selected in Moon pharma split by previous work experience ( Bar Graph )

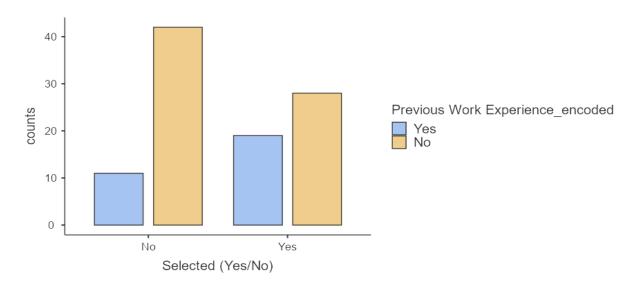


Fig 1. Candidates selected in Moon pharma split by previous work experience

## Candidates selected in Moon pharma split by Gender ( Bar Graph )

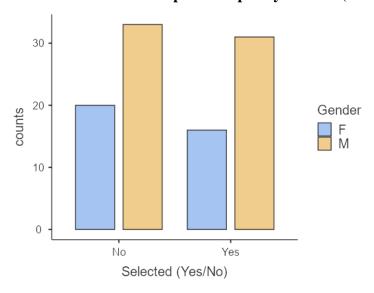


Fig 2. Candidates selected in Moon pharma split by Gender

## **Contingency Tables**

## Contingency table for selection frequency and gender

	Selected	Selected (Yes/No)			
Gender	No	Yes	Total		
F	20	16	36		
М	33	31	64		
Total	53	47	100		
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χ² Tests				
	Value	df	P	
$\chi^2$	0.147	1	0.701	
Ν	100			

# **Result 1** Considering alpha value as 0.05 and p-value=0.701 Here p-value > alpha, accept null hypothesis Accept $H_{01}$

#### Contingency table for selection frequency and previous work experience

Selected (Yes/No)			
Previous Work Experience_encoded	No	Yes	Total
Yes	11	19	30
No	42	28	70
Total	53	47	100

χ² Tests				
	Value	df	Р	
χ²	4.59	1	0.032	
Ν	100			

## **Result 2**Considering alpha value as 0.05 and p-value=0.032 Here p-value < alpha, reject null hypothesis Reject H<sub>02</sub>

#### Inference:-

Inference 1: There is no evidence to show relation of student being male and getting selected in Moon pharma.

Inference 2: There is evidences to show relation of student having previous work experience and getting selected in Moon pharma.

#### Recommendation:-

From our analysis we found evidence claiming that students having previous work experience are more likely to get selected in Moon Pharma in comparison to others. Thus it is recommended for students to have previous work experience to improve their chances of getting selected in Moon Pharma.