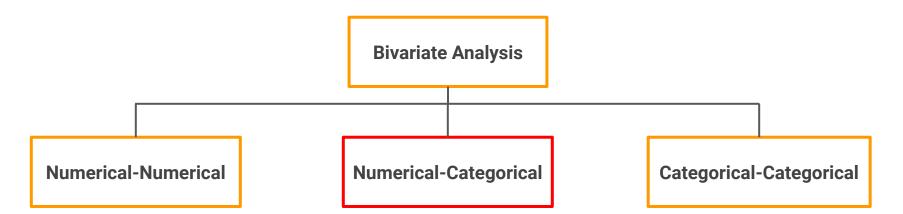
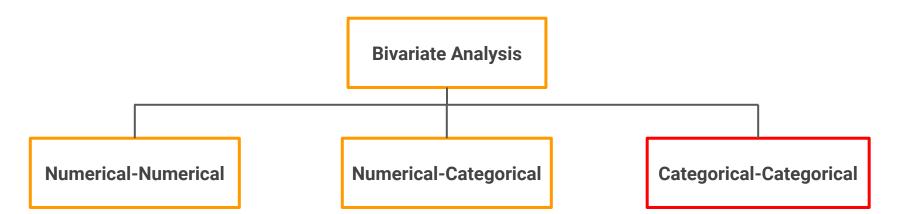
Bivariate Analysis for Categorical-Categorical Variables



Introduction to Bivariate Analysis



Introduction to Bivariate Analysis





	churn	not churn
age	mean_age of customers who churned	mean_age of customers who didn't churn



	churn	not churn
age	mean_age of customers who churned	mean_age of customers who didn't churn



	churn	not churn
age	mean_age of customers who churned	mean_age of customers who didn't churn



	churn	not churn
Male		
Female		



	churn	not churn
Male		
Female		





	churn	not churn
Male		
Female		



	churn	not churn
Male	Males who churned	
Female		



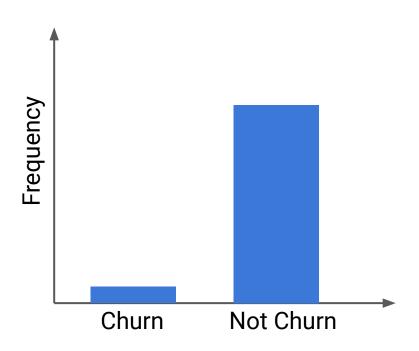
	churn	not churn
Male	Males who churned	Males who did not churn
Female		



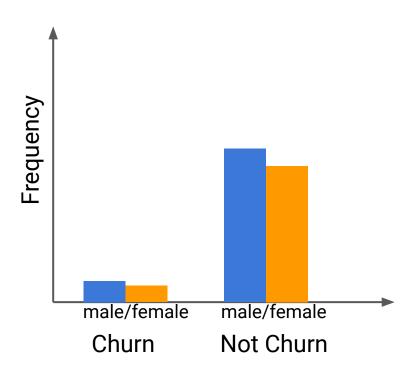
	churn	not churn
Male	Males who churned	Males who did not churn
Female	Females who churned	Females who did not churn



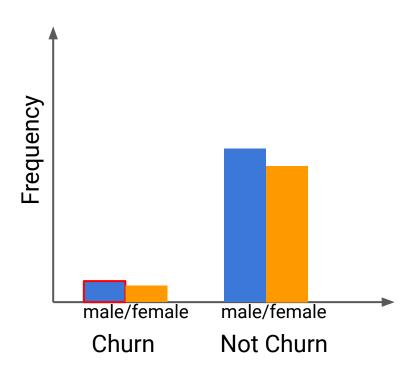
Categorical Bar Plots



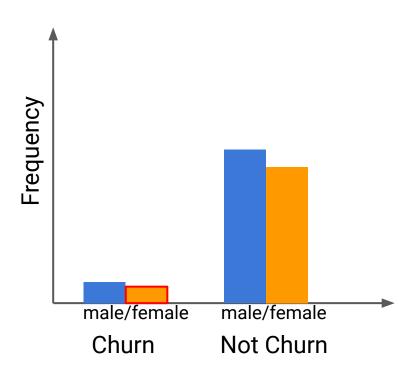




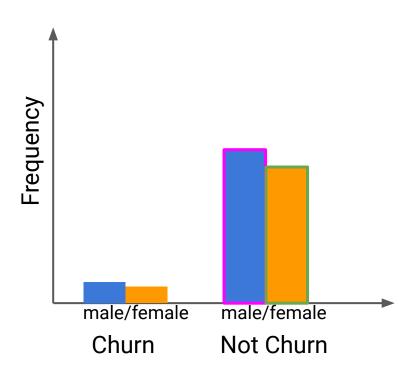




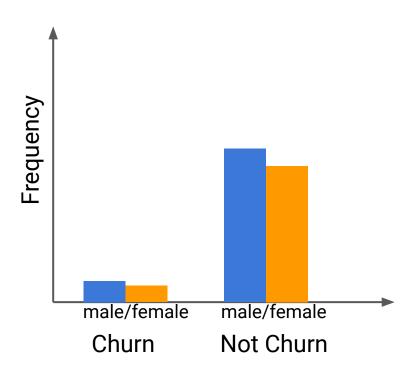




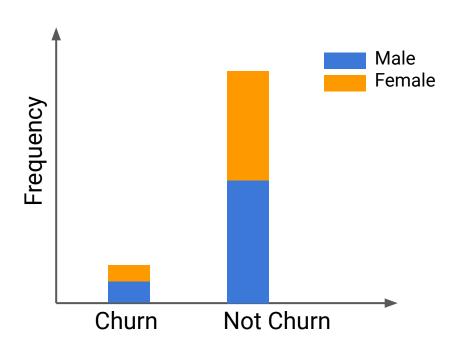




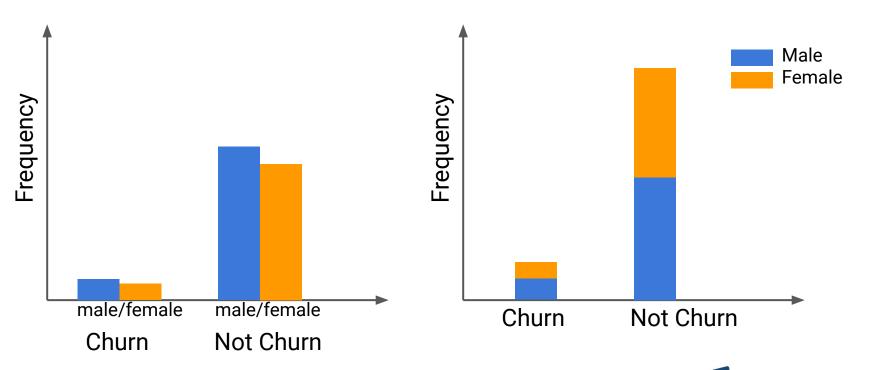




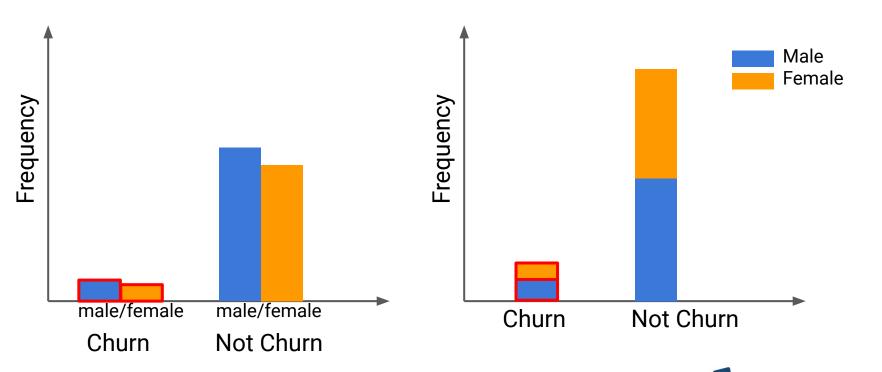




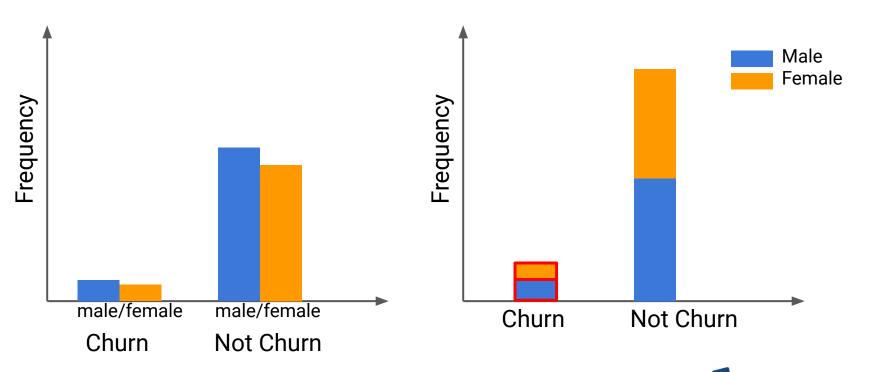




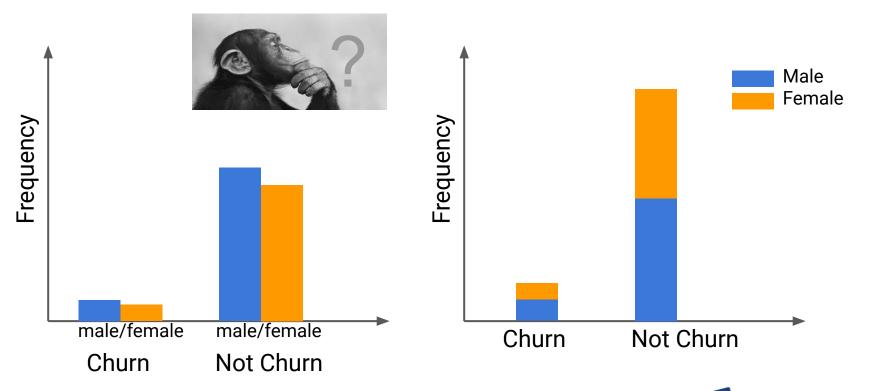




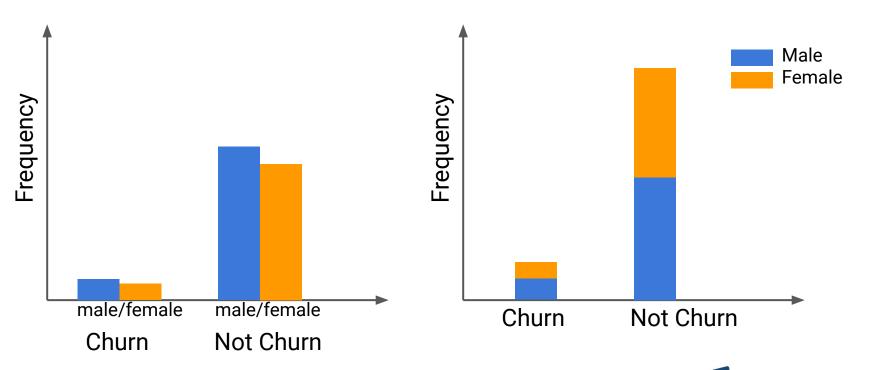




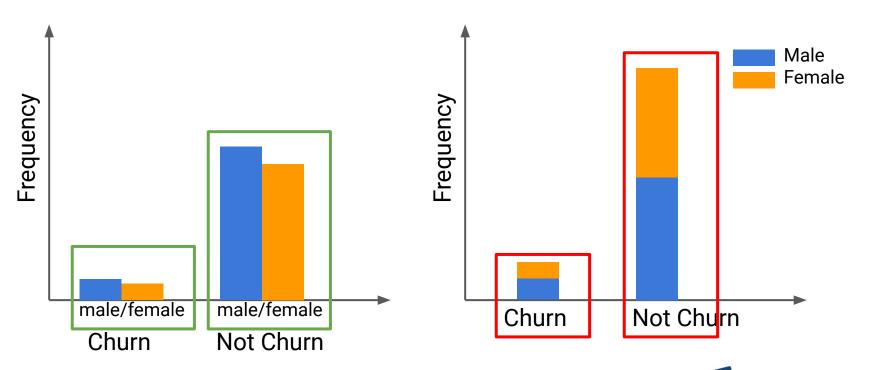














	churn	not churn
Male	Males who churned	Males who did not churn
Female	Females who churned	Females who did not churn



	churn	not churn
Male		
Female		
	1	·



Out of all the customer who churned, what percentage of them are males?

	churn	not churn
Male	# Males Total churn	
Female		

1



Out of all the customer who churned, what percentage of them are females?

	churn	not churn
Male	# Males Total churn	
Female	# Females Total churn	

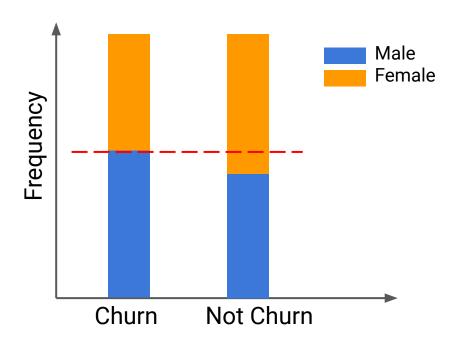
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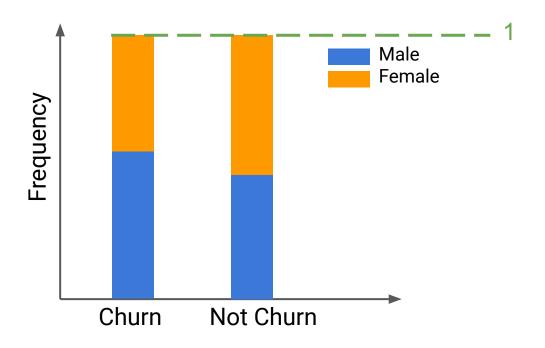
	churn	not churn
Male	#Males churn Total churn	#Males not churn Total not churn
Female	#Females churn Total churn	#Females not churn Total not churn



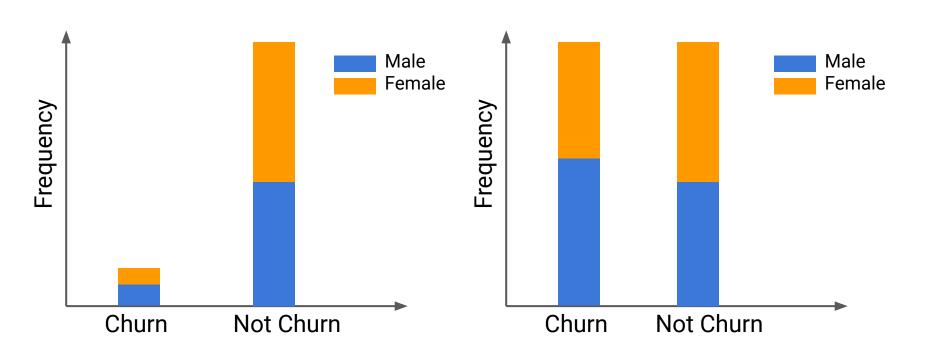




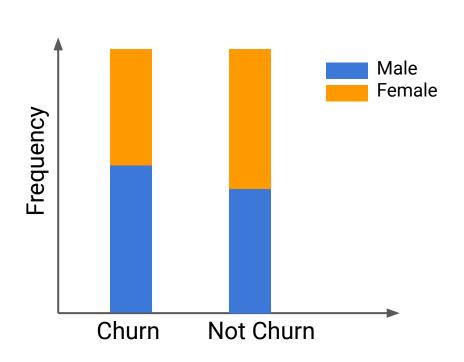
















Thank You!

