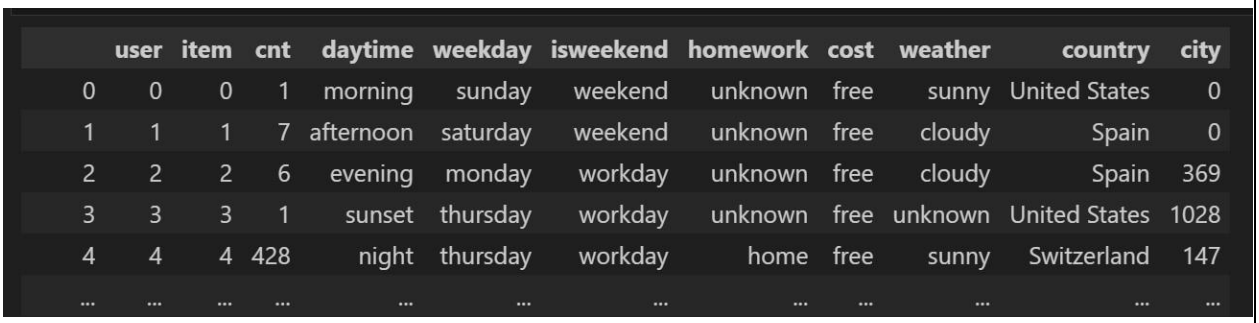
Data Collection and Preprocessing Phase

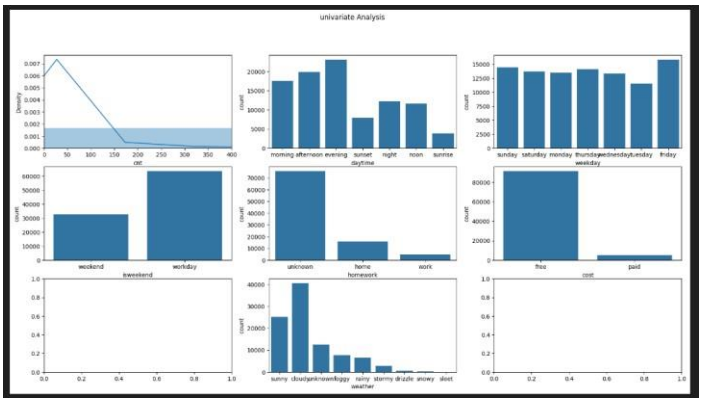
Date	18-JUNE-2024
Team ID	740028
Project Title	Frappe Activity: Mobile Phone Activity Classification Using Machine Learning
Maximum Marks	6 Marks

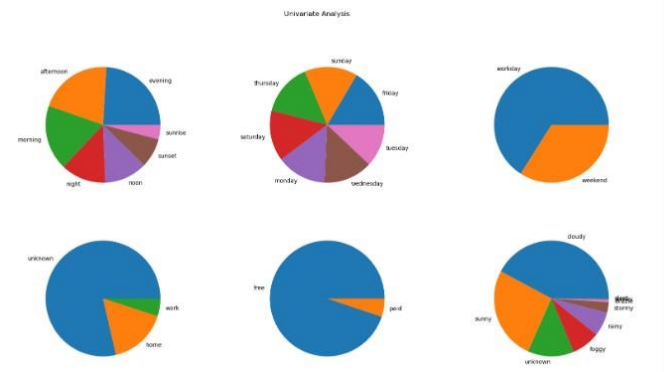
Data Exploration and Preprocessing Report

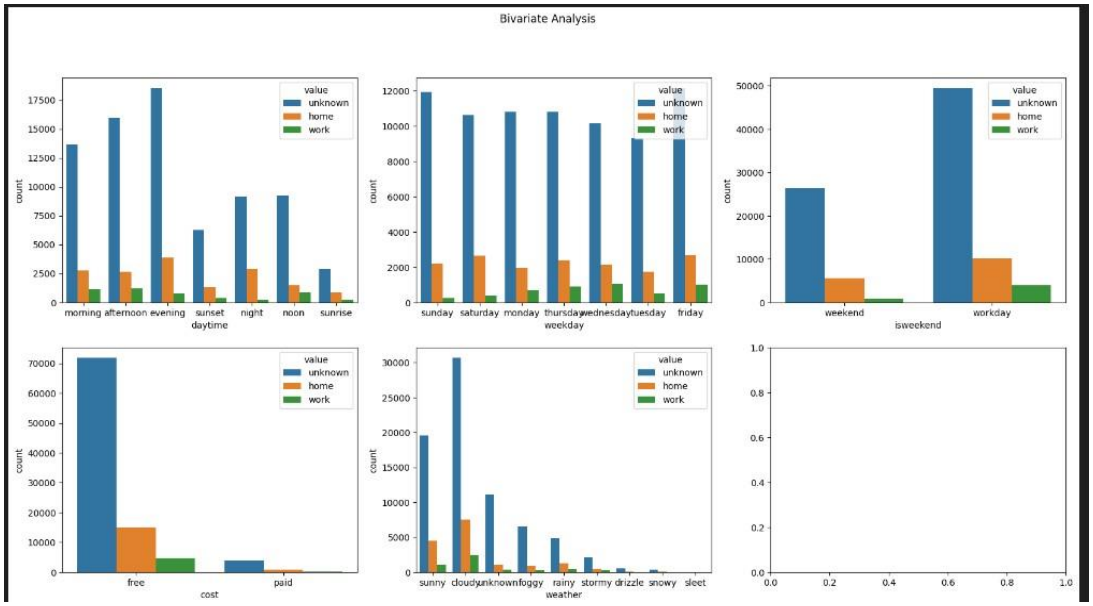
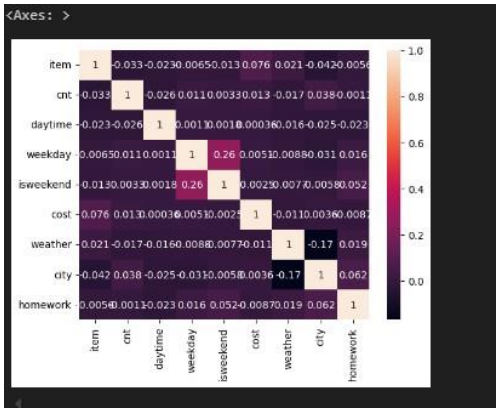
Dataset variables will be statistically analysed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modelling, and forming a strong foundation for insights and predictions

Section	Description
Data Overview	
Univariate Analysis	

	user	item	cnt	daytime	weekday	isweekend	homework	cost	weather	country	city
0	0	0	1	morning	sunday	weekend	unknown	free	sunny	United States	0
1	1	1	7	afternoon	saturday	weekend	unknown	free	cloudy	Spain	0
2	2	2	6	evening	monday	workday	unknown	free	cloudy	Spain	369
3	3	3	1	sunset	thursday	workday	unknown	free	unknown	United States	1028
4	4	4	428	night	thursday	workday	home	free	sunny	Switzerland	147
...	...	...	...	...	...	...	...	...	...	...	...


univariate Analysis
Density
cet
count
daytime
morning
afternoon
evening
sunset
night
noon
sunrise
weekday
sunday
saturday
monday
thursday
wednesday
tuesday
friday
weekend
workday
homework
unknown
home
work
cost
free
paid
weather
sunny
cloudy
unknown
foggy
rainy
stormy
drizzle
snowy
sleet


Univariate Analysis
afternoon
evening
morning
sunrise
sunset
night
noon
thursday
friday
saturday
tuesday
monday
wednesday
workday
weekend
unknown
work
home
free
paid
cloudy
sunny
rainy
foggy
unknown

Bivariate Analysis	
Multivariate Analysis