



## **Data Collection and Preprocessing Phase**

Date	11 July 2024
Team ID	SWTID1720178802
rioject ritie	Garment worker productivity prediction
Maximum Marks	6 Marks

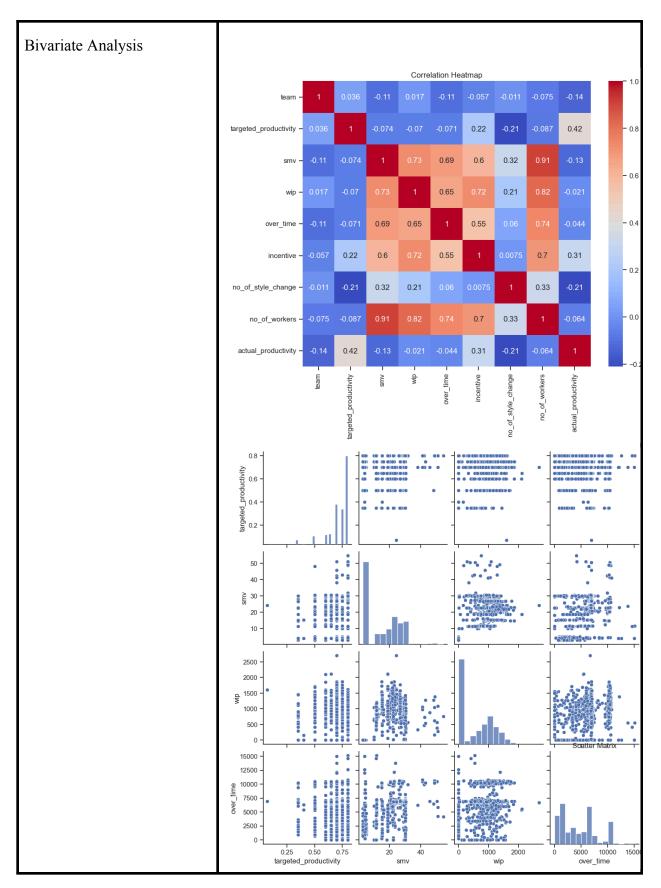
## **Data Exploration and Preprocessing Template**

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	Description
Data Overview	count         team         targeted productivity         smv         wip         over time         incentive         to_of_style_change         to_of_workers         actual_production           count         1197,000000         10,00000         10,00000         21,000000         114,000000         10,000000         10,00000         10,00000         10,000000         10,000000         10,000000         10,000000 </th
Univariate Analysis	Distribution of Targeted Productivity
	1000 -
	800 -
	H 600 -
	400 -
	Targeted Productivity

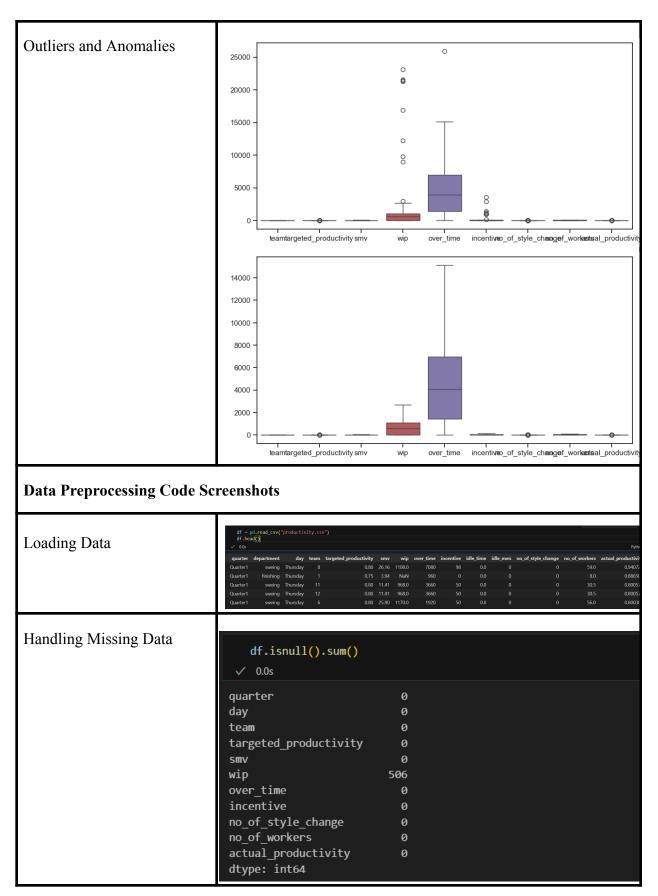
















```
df['wip'].fillna(0,inplace=True)
                                  df.isnull().sum()
                               ✓ 0.0s
                              C:\Users\hp\AppData\Local\Temp\ipykernel_17788\818197784.py:1
                              The behavior will change in pandas 3.0. This inplace method wi
                              For example, when doing 'df[col].method(value, inplace=True)'
                                df['wip'].fillna(0,inplace=True)
                              quarter
                                                        0
                              day
                              team
                                                        0
                              targeted_productivity
                                                        0
                              smv
                                                        0
                              wip
                              over time
                                                        0
                              incentive
                                                        0
                              no_of_style_change
                                                        0
                              no of workers
                              actual productivity
                                                        0
                              dtype: int64
Data Transformation
```





Save Processed Data

df\_encoded.to\_csv('processed\_productivity.csv', index=False)

v 0.0s