



Data Collection and Preprocessing Phase

Date	15 March 2024
Team ID	xxxxxx
Project Title	xxxxxx
Maximum Marks	6 Marks

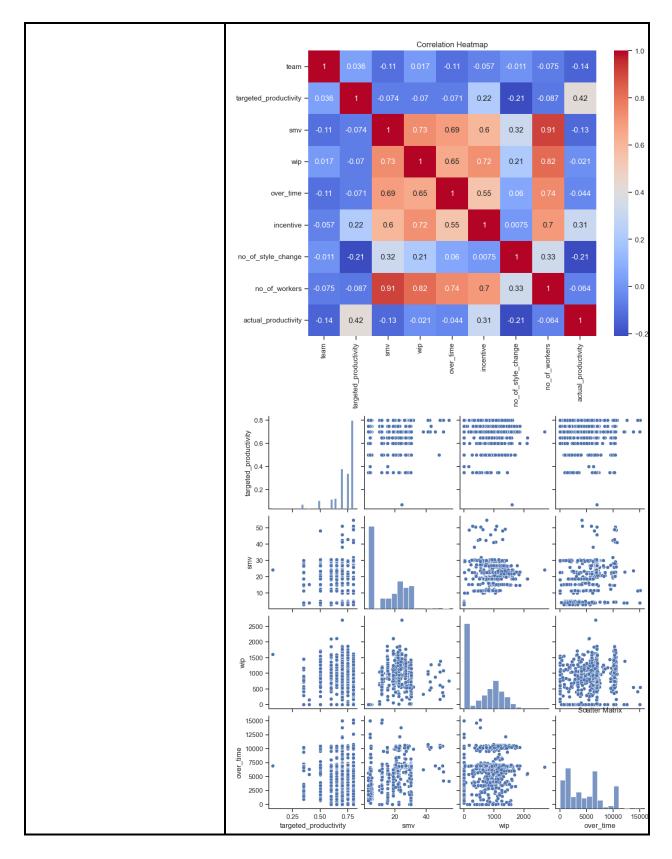
Data Exploration and Preprocessing Template

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 1197,000000 <th< th=""></th<>
Univariate Analysis	Distribution of Targeted Productivity 1200 - 1000 - 1000 - 200 - 200 - Targeted Productivity
Bivariate Analysis	

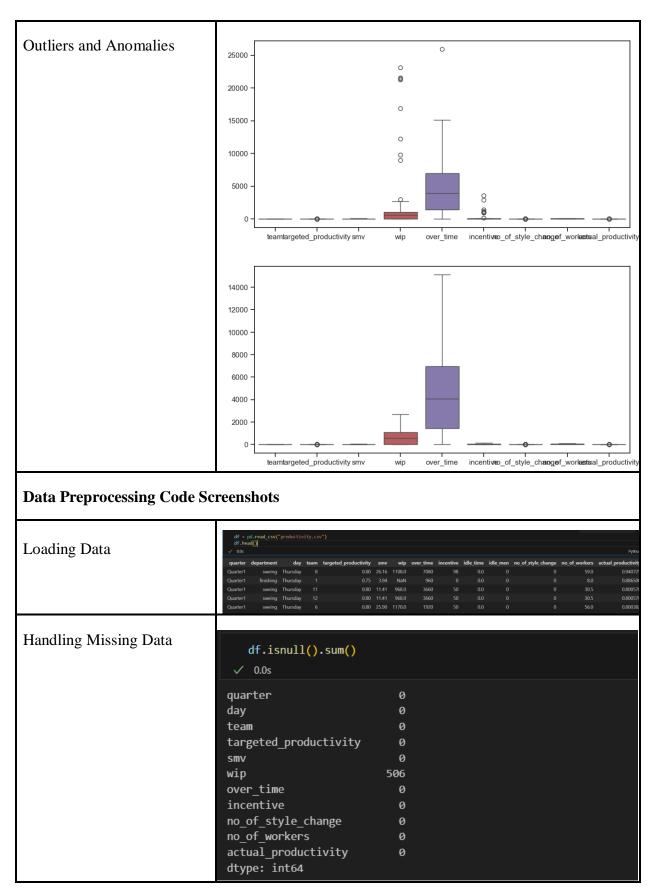
















```
df['wip'].fillna(0,inplace=True)
                                 df.isnull().sum()
                               ✓ 0.0s
                              C:\Users\hp\AppData\Local\Temp\ipykernel 17788\818197784.py:1:
                              The behavior will change in pandas 3.0. This inplace method wi
                              For example, when doing 'df[col].method(value, inplace=True)'
                                df['wip'].fillna(0,inplace=True)
                              quarter
                                                        0
                                                        0
                              day
                              team
                                                        0
                              targeted_productivity
                                                        0
                                                        0
                              wip
                                                       0
                              over time
                                                       0
                              incentive
                              no_of_style_change
                                                       0
                              no of workers
                                                        0
                              actual_productivity
                              dtype: int64
Data Transformation
```





Save Processed Data

df_encoded.to_csv('processed_productivity.csv', index=False)

v 0.0s