

TEAM ID: PNT2022TMID14136

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

Team Leader

IBM Home Page - Select or create a notebook Code - Jupyter Notebook

localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...

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jupyter Code (autosaved) Logout

File Edit View Insert Cell Kernel Widgets Help Connecting to kernel Not Trusted Python 3 (ipykernel)

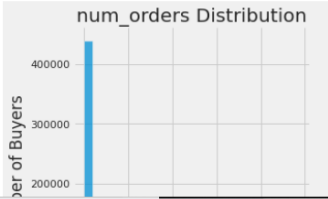
Run

Data Visualization

```
In [118]: import seaborn as sns
import matplotlib.pyplot as plt

In [119]: plt.style.use('fivethirtyeight')
plt.figure(figsize=(12,7))
sns.displot(trainfinal.num_orders, bins = 25)
plt.xlabel("num_orders")
plt.ylabel("Number of Buyers")
plt.title("num_orders Distribution")

Out[119]: Text(0.5, 1.0, 'num_orders Distribution')
<Figure size 864x504 with 0 Axes>
```



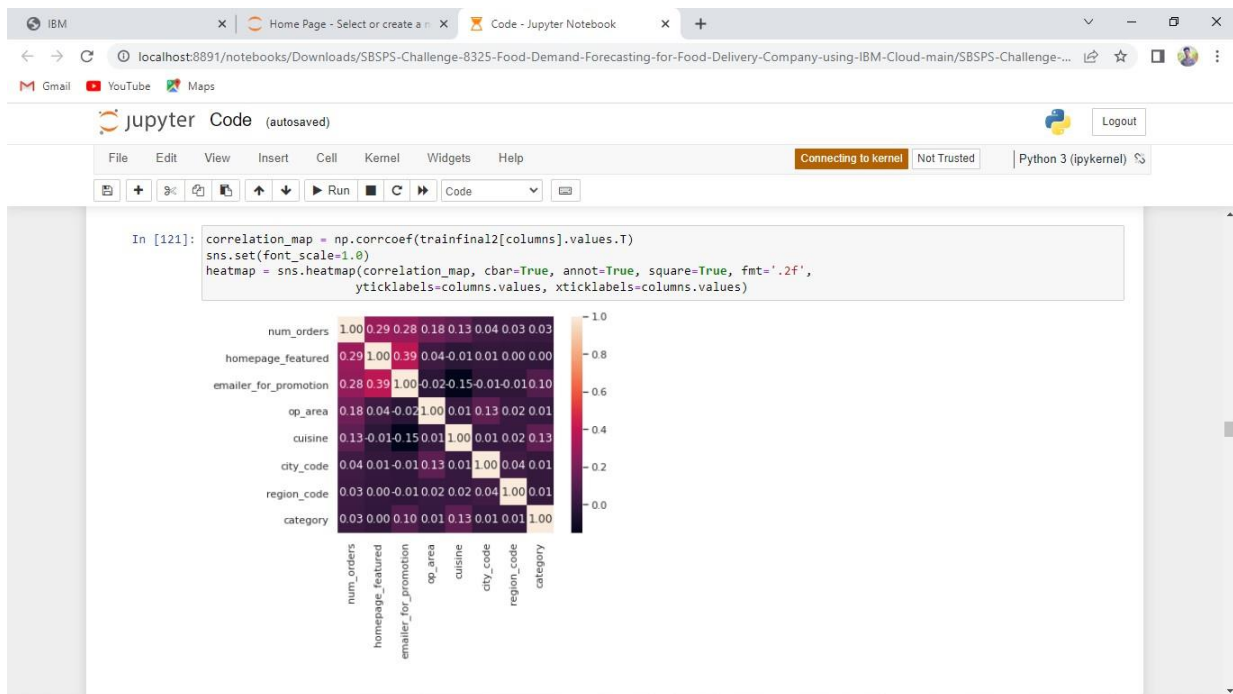
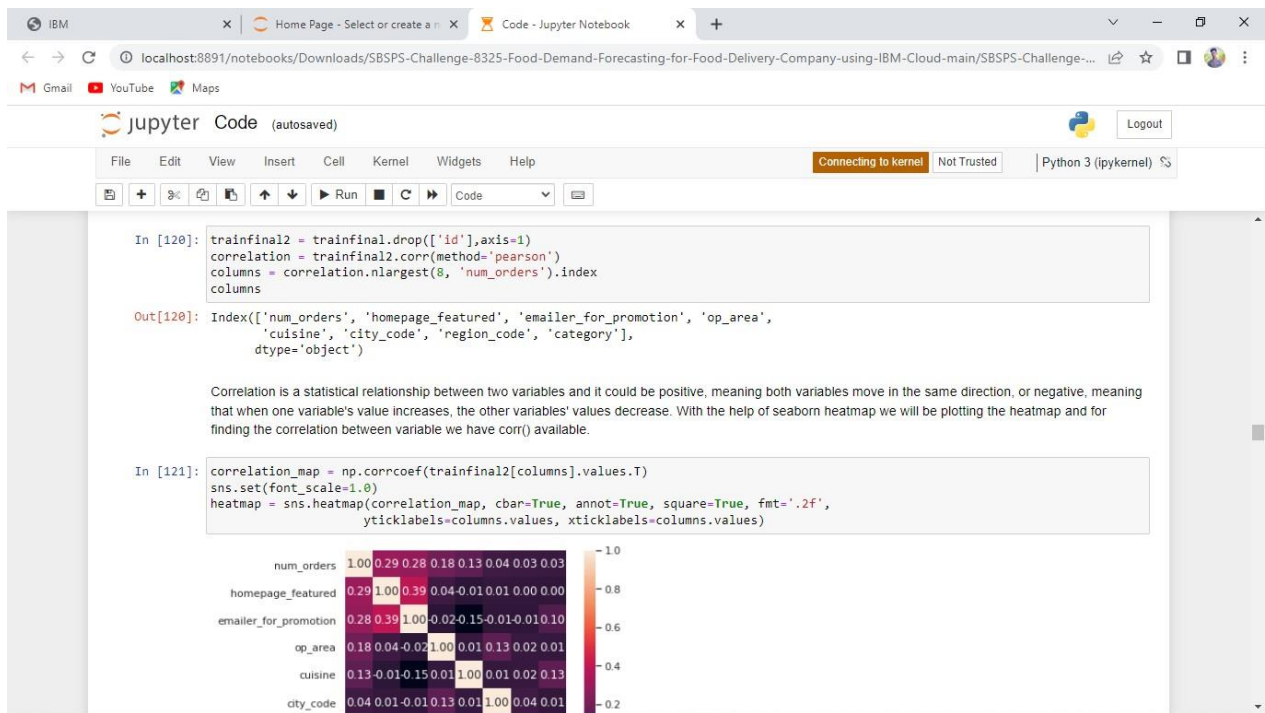
num_orders Distribution

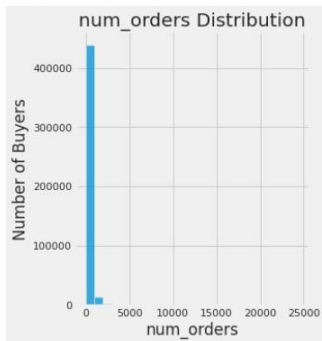
Number of Buyers

num_orders

Drop the column "id" and find the correlation between the columns.

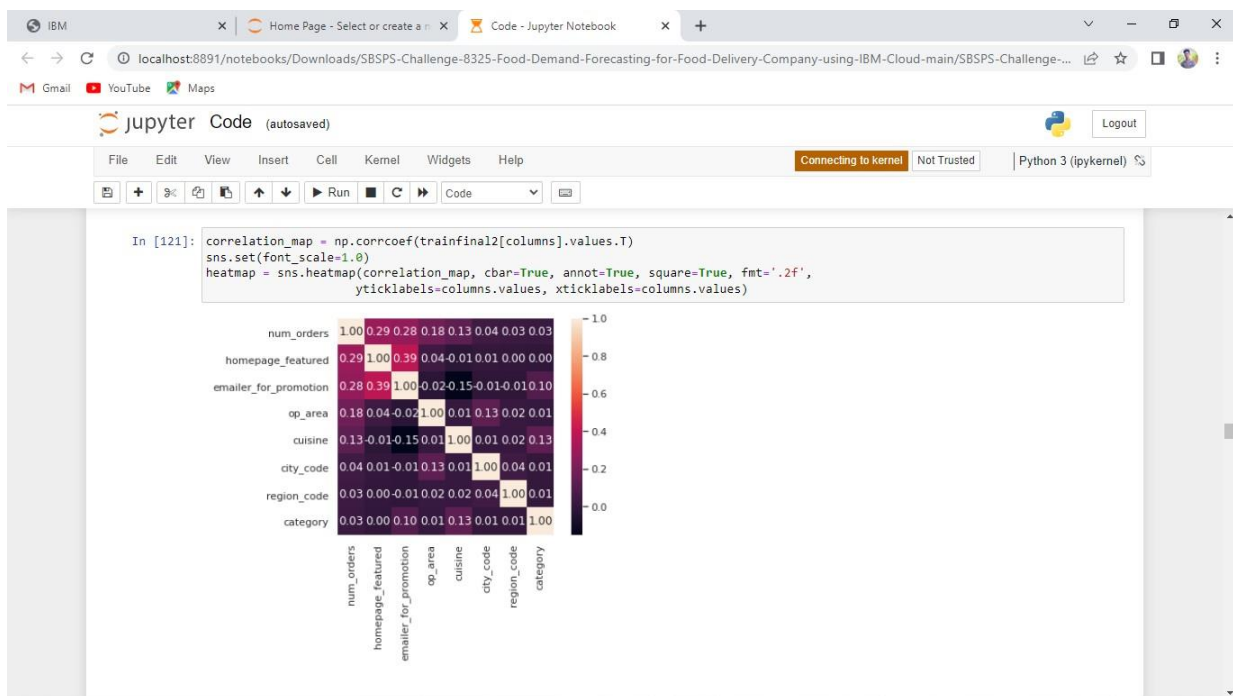
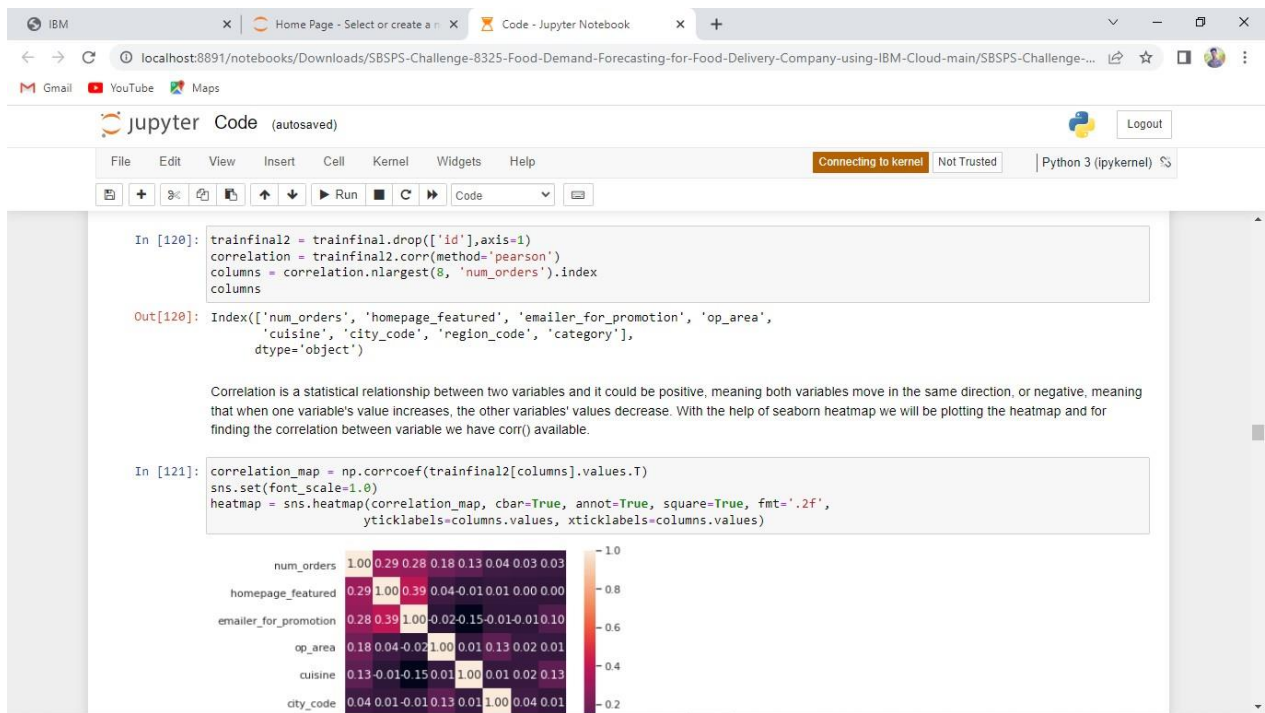
```
In [120]: trainfinal2 = trainfinal.drop(['id'],axis=1)
correlation = trainfinal2.corr(method='pearson')
columns = correlation.nlargest(8, 'num_orders').index
columns
```



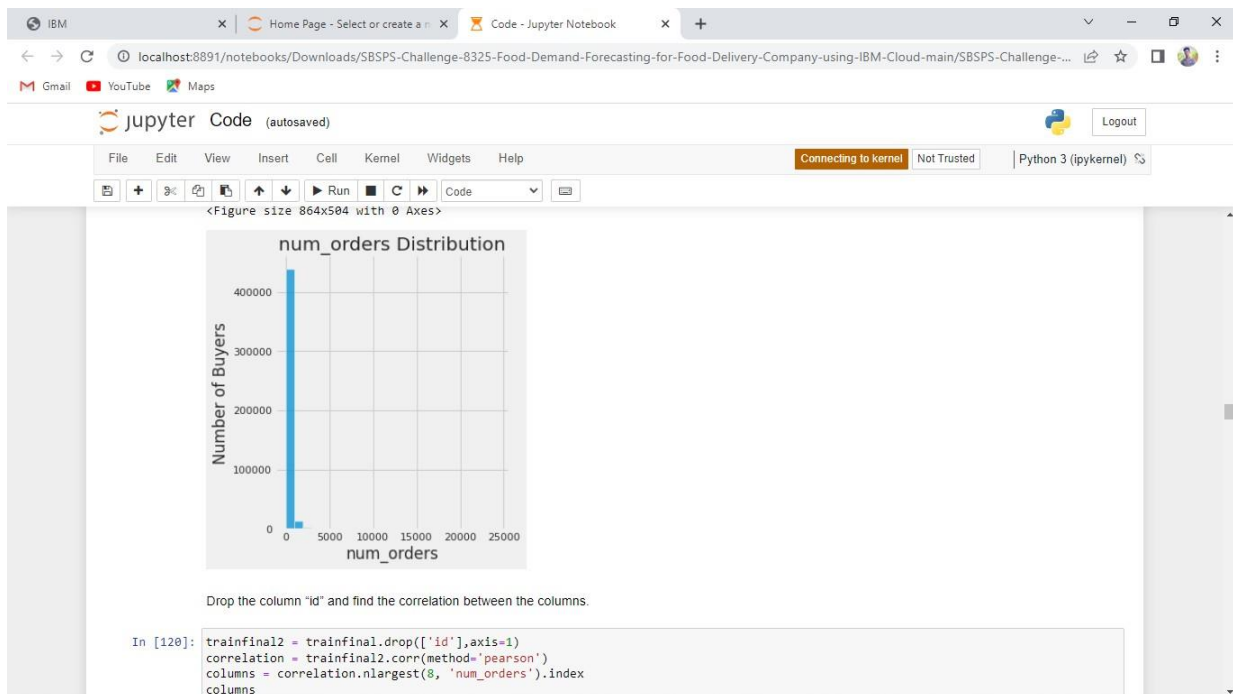
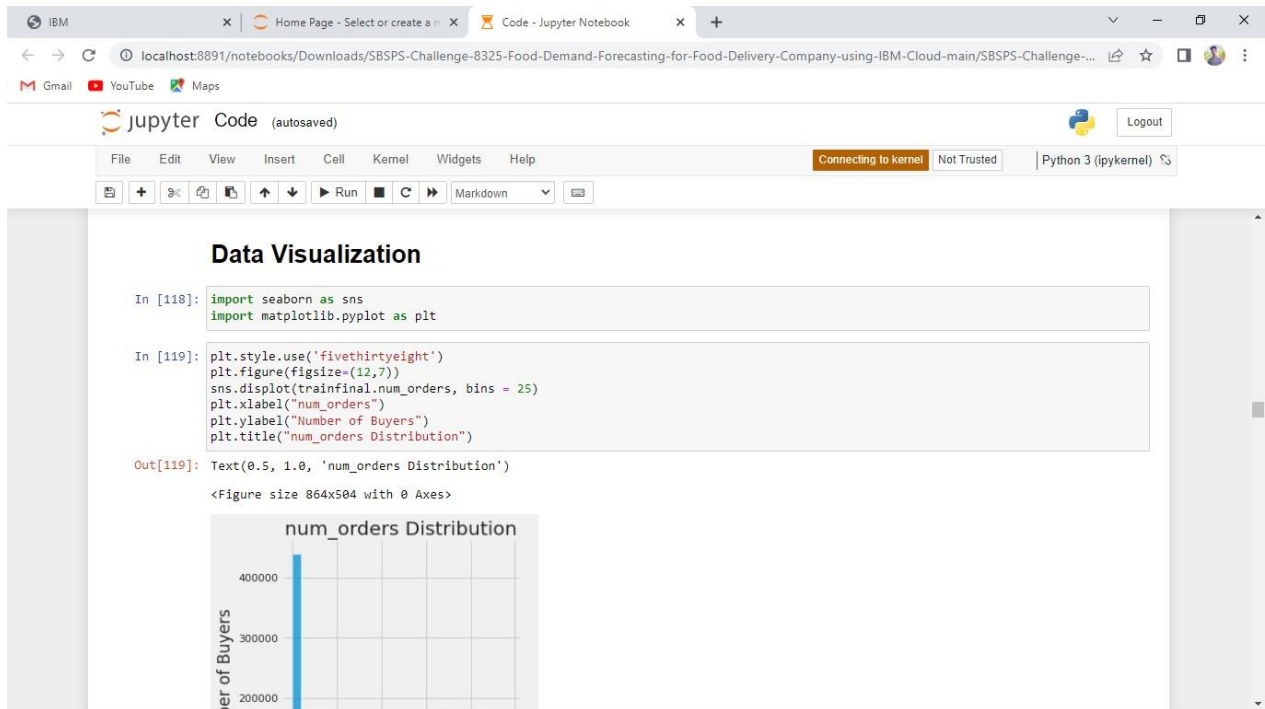
[illegible]

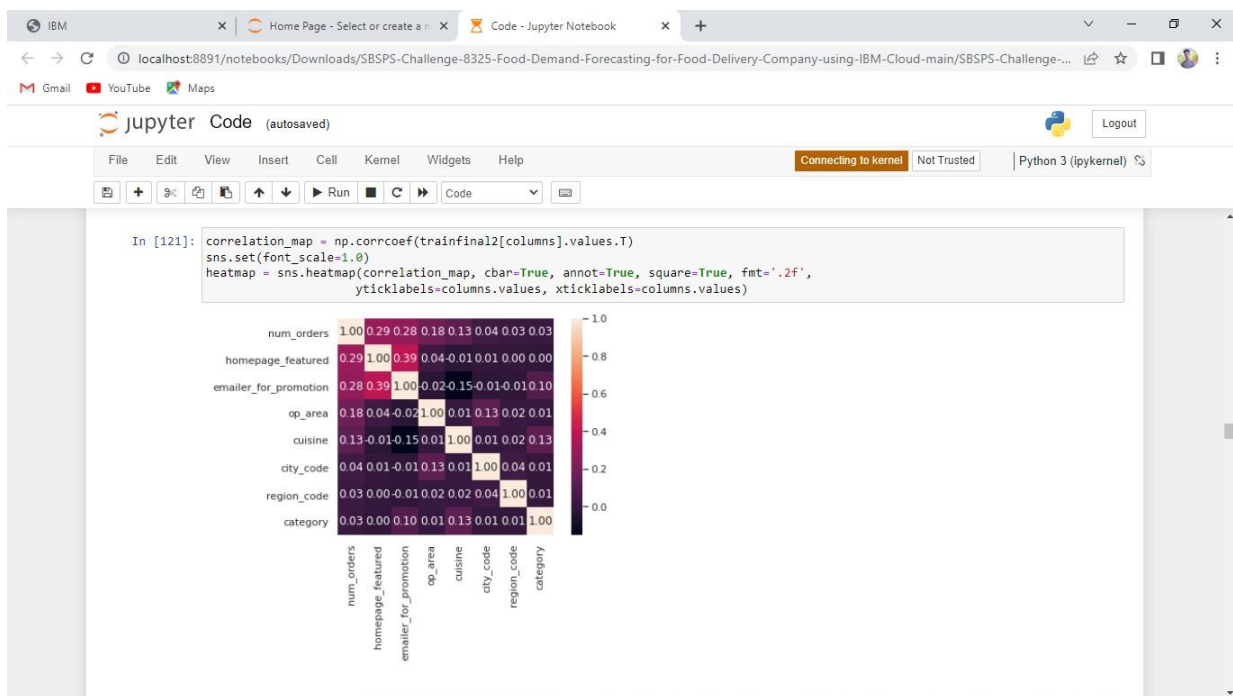
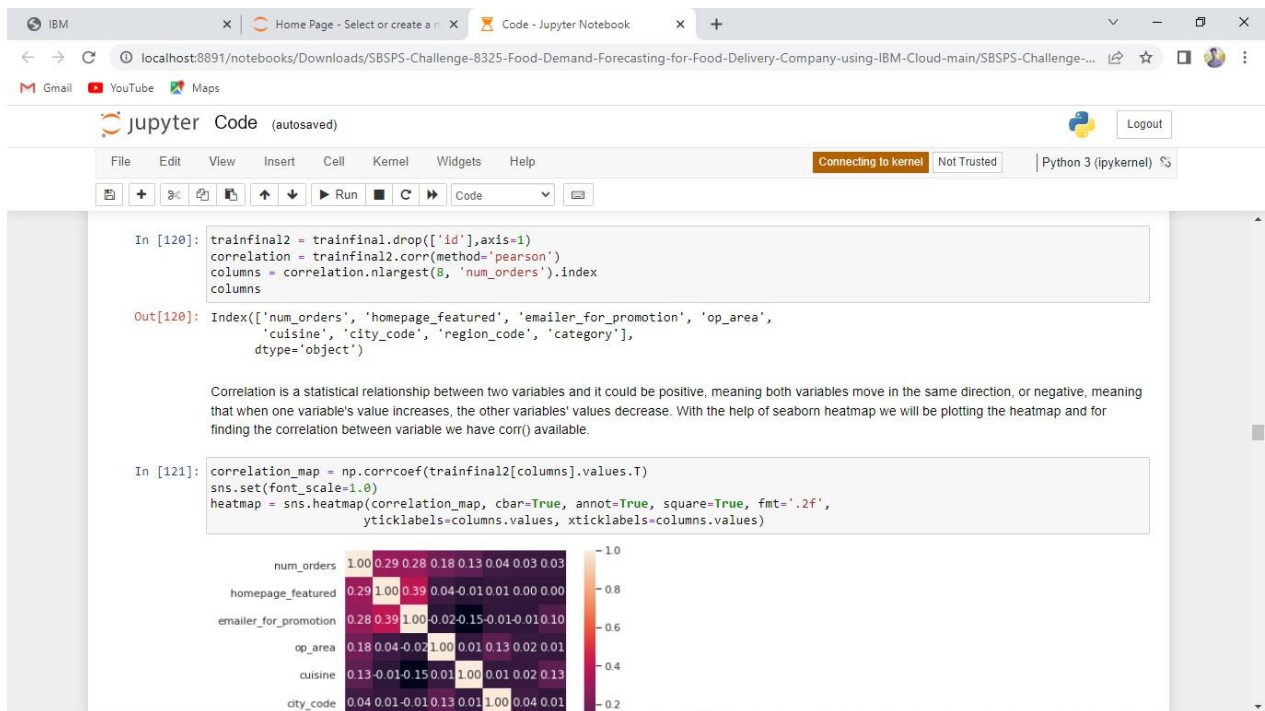
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```
In [120]: trainfinal2 = trainfinal.drop(['id'],axis=1)
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```



Team Member 2





Team Member 3

