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EDA - test_PlotwithSeaborn.ipynb

Explorer

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python > Day 4 > test_PlotwithSeaborn > test_PlotwithSeaborn.ipynb > fig, axes = plt.subplots(nrows=3, ncols=1, figsize=(6, 8))

+ Code + Markdown | Run All | Restart | Clear All Outputs | Jupyter Variables | Outline ... venv (Python 3.12.10)

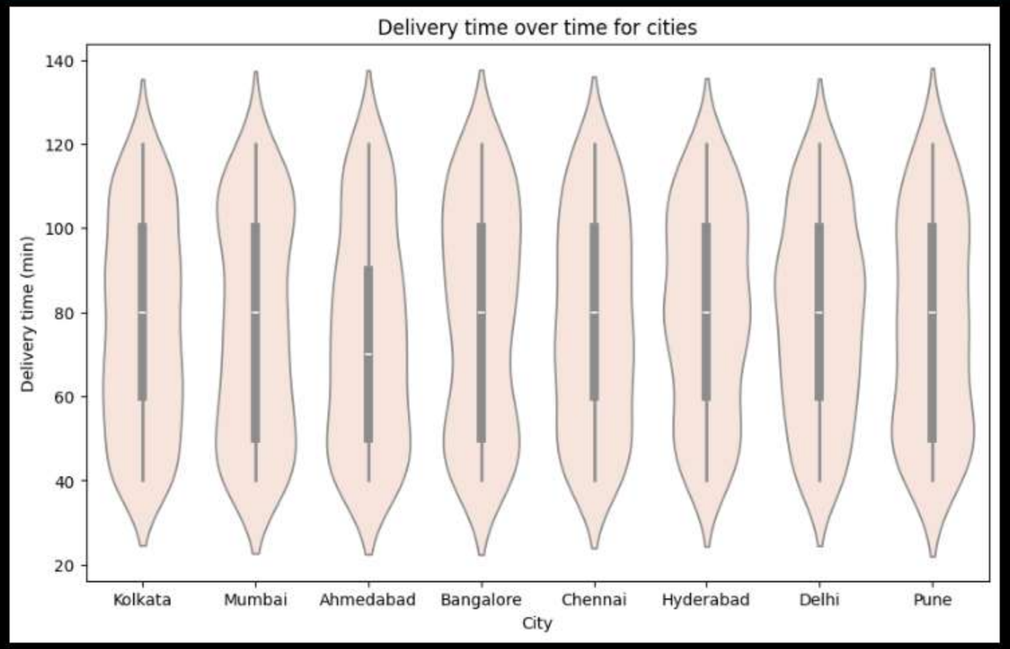
```
orders=pd.read_csv('DA314_S4_OrderDetails_Data_Concept.csv')
print(orders.head())
```

[ ] Python

```
# Violin plot for delivery over time for cities
from turtle import color


plt.figure(figsize=(10,6))
sns.violinplot(x="city_restaurant", y="delivery_time_min", data=orders , color='#fae2d9')
plt.title("Delivery time over time for cities")
plt.xlabel("City")
plt.ylabel("Delivery time (min)")
plt.show()
    Ctrl+K for Command, Ctrl+L for Cascade
```

[10] ✓ 0.2s Python




```
sns.pairplot(orders,vars=['total_amount','rating','delivery_time_min'],
```

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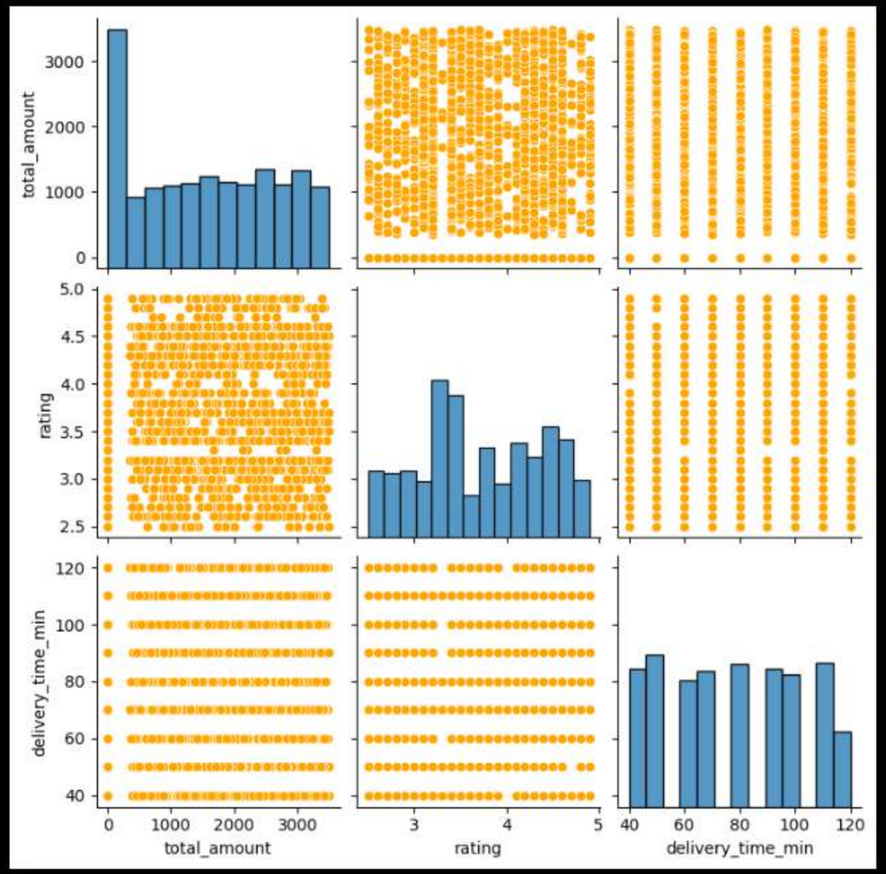
python > Day 4 > test_PlotwithSeaborn > test_PlotwithSeaborn.ipynb > fig, axes = plt.subplots(nrows=3, ncols=1, figsize=(6, 8))

+ Code + Markdown | Run All | Restart | Clear All Outputs | Jupyter Variables | Outline ... venv (Python 3.12.10)

```
sns.pairplot(orders,vars=['total_amount','rating','delivery_time_min'],
    diag_kind='hist',
    plot_kws={'color':'#ffa500'},
)
plt.show()
```

[16] ✓ 1.0s Python



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python > Day 4 > test_PlotwithSeaborn > test_PlotwithSeaborn.ipynb > fig, axes = plt.subplots(nrows=1, ncols=3, figsize=(24, 8))

+ Code + Markdown | Run All | Restart | Clear All Outputs | Jupyter Variables | Outline ...

venv (Python 3.12.10)

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python

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venv

.gitignore

coffee_sales.csv

matplotlib-cheatsheet....

matplotlib-cheatsheet....

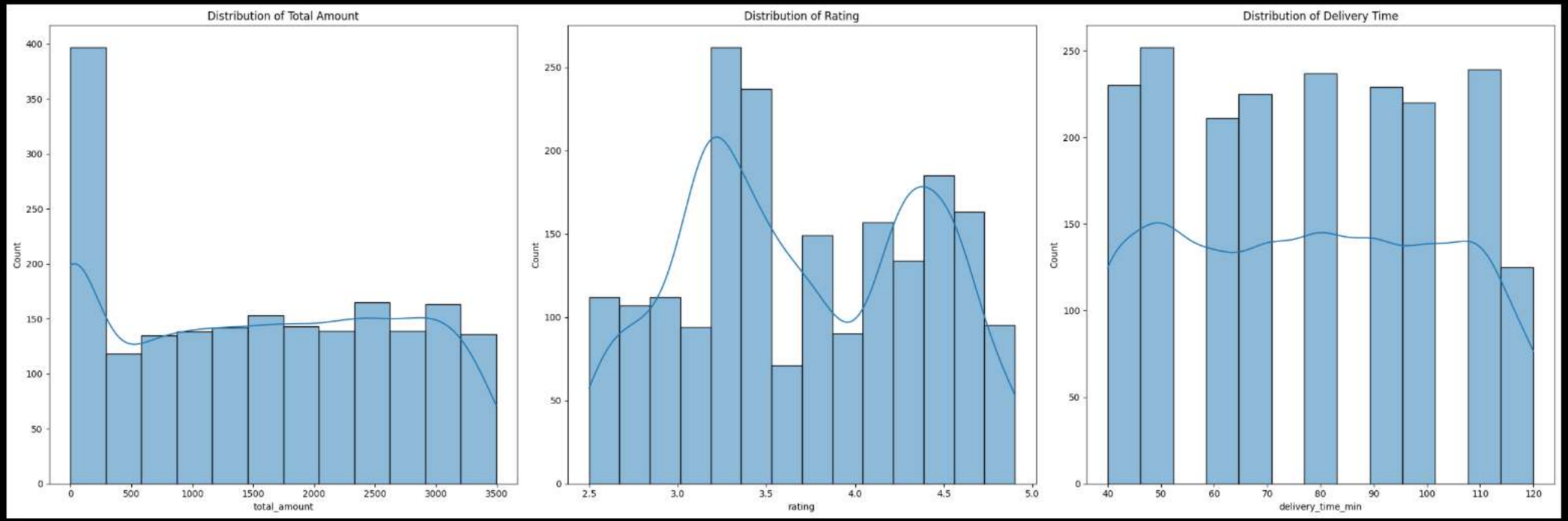
numpy-cheatsheet.py

pandas-cheatsheet.py

pandas-csv-template.py

```
fig, axes = plt.subplots(nrows=1, ncols=3, figsize=(24, 8))
sns.histplot(data=orders, x='total_amount', kde=True, ax=axes[0])
axes[0].set_title('Distribution of Total Amount')
axes[0].set_xlabel('total_amount')
sns.histplot(data=orders, x='rating', kde=True, ax=axes[1])
axes[1].set_title('Distribution of Rating')
axes[1].set_xlabel('rating')
sns.histplot(data=orders, x='delivery_time_min', kde=True, ax=axes[2])
axes[2].set_title('Distribution of Delivery Time')
axes[2].set_xlabel('delivery_time_min')
plt.tight_layout()
plt.show()
```

[35] ✓ 0.5s Python



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