Python code:

```python
import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns


 Load the CSV file

file_path = '/path_to_your_file/supply_chain_data.csv'

supply_chain_data = pd.read_csv(file_path)


 Set the style for the plots

sns.set(style="whitegrid")


 1. Inventory Levels: Stock levels across different SKUs

plt.figure(figsize=(10, 6))

sns.barplot(x='SKU', y='Stock levels', data=supply_chain_data, palette='viridis')

plt.title('Inventory Levels Across SKUs')

plt.xlabel('SKU')

plt.ylabel('Stock Levels')

plt.xticks(rotation=45, ha='right')

plt.tight_layout()

plt.savefig('inventory_levels_across_skus.png')

plt.show()


 2. Order Fulfillment: Lead times compared to the number of products sold

plt.figure(figsize=(10, 6))

sns.scatterplot(x='Lead times', y='Number of products sold', hue='Product type',
data=supply_chain_data, palette='deep')

plt.title('Order Fulfillment: Lead Times vs. Products Sold')
```

```
plt.xlabel('Lead Times (Days)')

plt.ylabel('Number of Products Sold')

plt.tight_layout()

plt.savefig('order_fulfillment.png')

plt.show()
```

3. Supplier Performance: Supplier lead time and defect rates

```
plt.figure(figsize=(10, 6))

sns.barplot(x='Supplier name', y='Defect rates', hue='Inspection results',
data=supply_chain_data, palette='coolwarm')

plt.title('Supplier Performance: Defect Rates by Supplier')

plt.xlabel('Supplier Name')

plt.ylabel('Defect Rates (%)')

plt.xticks(rotation=45, ha='right')

plt.tight_layout()

plt.savefig('supplier_performance.png')

plt.show()
```

4. Transportation Efficiency: Transportation modes and associated costs

```
plt.figure(figsize=(10, 6))

sns.barplot(x='Transportation modes', y='Costs', data=supply_chain_data,
palette='magma')

plt.title('Transportation Efficiency: Costs by Mode')

plt.xlabel('Transportation Mode')

plt.ylabel('Costs ($)')

plt.xticks(rotation=45, ha='right')

plt.tight_layout()

plt.savefig('transportation_efficiency.png')

plt.show()
```

5. Lead Times Over SKUs

```python
plt.figure(figsize=(10, 6))

sns.lineplot(x='SKU', y='Lead times', hue='Product type', data=supply_chain_data, marker='o', palette='muted')

plt.title('Lead Times Over SKUs')

plt.xlabel('SKU')

plt.ylabel('Lead Times (Days)')

plt.xticks(rotation=45, ha='right')

plt.tight_layout()

plt.savefig('lead_times_over_skus.png')

plt.show()
```

6. Manufacturing Lead Time Over SKUs

```python
plt.figure(figsize=(10, 6))

sns.lineplot(x='SKU', y='Manufacturing lead time', hue='Product type', data=supply_chain_data, marker='o', palette='dark')

plt.title('Manufacturing Lead Time Over SKUs')

plt.xlabel('SKU')

plt.ylabel('Manufacturing Lead Time (Days)')

plt.xticks(rotation=45, ha='right')

plt.tight_layout()

plt.savefig('manufacturing_lead_time_over_skus.png')

plt.show()
```