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import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

df = pd.read_csv('cleaned_tvsamazon.csv') # replace with actual
filename
df.head()

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],\n      \\"semantic_type\\": \\"\",\\n          \\"description\\": \\"\\\"\n}\\"\\n    }\\n  ]\\n}","type":"dataframe","variable_name":"df"}\n\nplt.figure(figsize=(7,5))\nplt.scatter(df['listed_price'], df['discount_percentage'], alpha=0.7)\nplt.xlabel('Listed Price (₹)')\nplt.ylabel('Discount Percentage')\nplt.title('Listed Price vs Discount Percentage')\nplt.show()

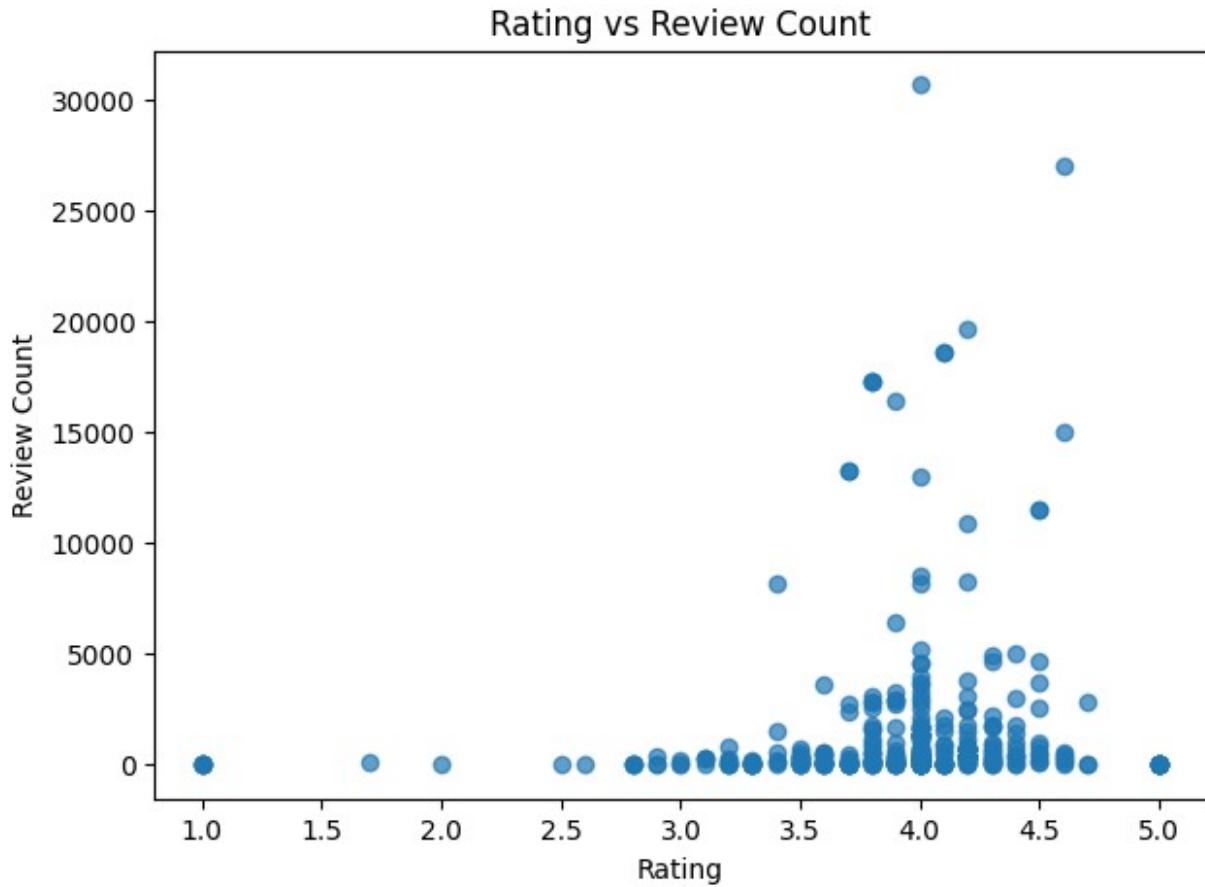
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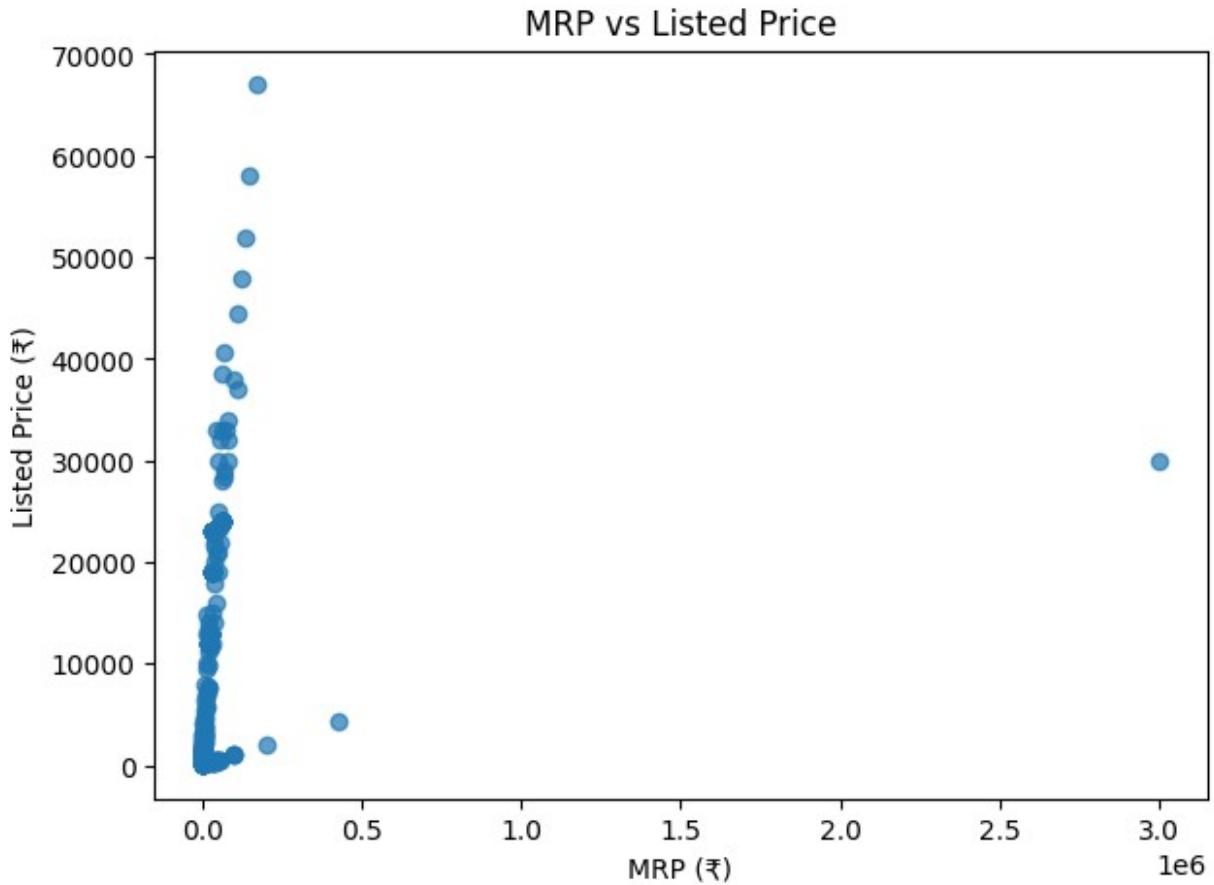
```

plt.figure(figsize=(7,5))\nplt.scatter(df['rating'], df['review_count'], alpha=0.7)\nplt.xlabel('Rating')\nplt.ylabel('Review Count')\nplt.title('Rating vs Review Count')\nplt.show()

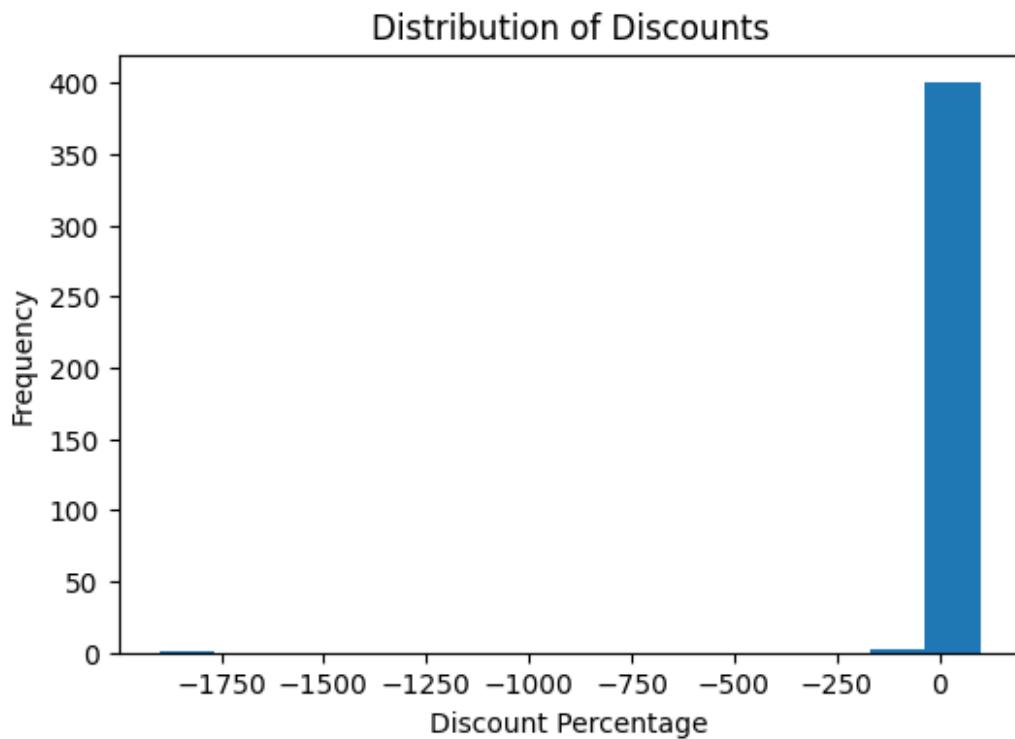
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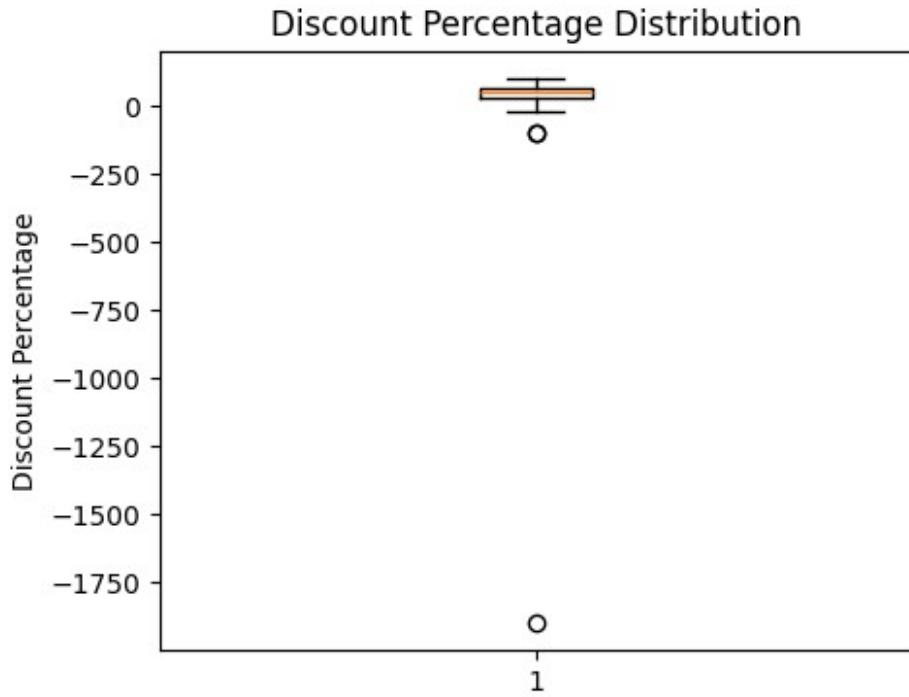
```
plt.figure(figsize=(7,5))
plt.scatter(df['mrp'], df['listed_price'], alpha=0.7)
plt.xlabel('MRP (₹)')
plt.ylabel('Listed Price (₹)')
plt.title('MRP vs Listed Price')
plt.show()
```



```
plt.figure(figsize=(6,4))
plt.hist(df['discount_percentage'], bins=15)
plt.xlabel('Discount Percentage')
plt.ylabel('Frequency')
plt.title('Distribution of Discounts')
plt.show()
```



```
plt.figure(figsize=(5,4))
plt.boxplot(df['discount_percentage'])
plt.ylabel('Discount Percentage')
plt.title('Discount Percentage Distribution')
plt.show()
```



```
plt.figure(figsize=(7,5))
sns.heatmap()

df[['listed_price','mrp','rating','review_count','discount_percentage']]
    .corr(),
    annot=True,
    cmap='coolwarm'
)
plt.title('Correlation Between Pricing & Seller Features')
plt.show()
```

Correlation Between Pricing & Seller Features

