16.07.2025 15:20

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            2: "import seaborn as sns
            3: "import matplotlib.pyplot as plt
            5: "# Load data
            6: "df = pd.read_csv("product_info.csv")
            9: "df = df.dropna(subset=["brand_name", "primary_category", "rating", "child_max_price"])
            14: "categories = st.sidebar.multiselect("Select Categories", options=df["primary_category"].unique(), de
            15: "price_range = st.sidebar.slider("Price Range", float(df["child_max_price"].min()), float(df["child_max_price"].min()),
            18 : "filtered_df = df[
```

localhost:8503

```
(df["brand_name"].isin(brands)) &
            (df["primary_category"].isin(categories)) &
            (df["child_max_price"].between(price_range[0], price_range[1]))
   25: "st.title("Sephora Product Explorer")
   26: "st.metric("Average Rating", round(filtered_df["rating"].mean(), 2))
   27: "st.metric("Average Price", f"${round(filtered_df['child_max_price'].mean(), 2)}")
   30 : "st.subheader("Rating vs. Price")
   36: "st.subheader("Rating Distribution")
   37 : "fig2, ax2 = plt.subplots()
   38: "sns.histplot(filtered_df["rating"], bins=20, kde=True, ax=ax2, color="orange")
   39: "st.pyplot(fig2)
   43: "st.dataframe(filtered_df[["product_name", "brand_name", "rating", "child_max_price"]].reset_index(dro
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localhost:8503 2/3

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localhost:8503