

```
import pandas as pd

# Load the data from CSV file
df = pd.read_csv('/content/grainsales.csv')

# Convert 'Sales' column to numeric data type
df['Sales'] = pd.to_numeric(df['Sales'])

# Determine the best month for sales
best_month = df.groupby('Months')['Sales'].sum().idxmax()
total_sales_best_month = df.groupby('Months')['Sales'].sum().max()

print("Best Month for Sales:", best_month)
print("Total Sales in the Best Month:", total_sales_best_month)

# Determine the product that sold the most
best_selling_product = df.groupby('GrainName')['Sales'].sum().idxmax()

print("Best Selling Product:", best_selling_product)

# Determine the city that sold the most products
city_most_products = df.groupby('City')['Sales'].sum().idxmax()

print("City that Sold the Most Products:", city_most_products)

# Determine the products that are most often sold together
product_combinations = df.groupby('City')['GrainName'].apply(lambda x: ', '.join(x.unique()[:2]))

print("Products Most Often Sold Together:")
for city, products in product_combinations.iteritems():
    print(city + ":", products)
```

Output:

Best Month for Sales: JULY

Total Sales in the Best Month: 16000000

Best Selling Product: Wheat

City that Sold the Most Products: Asansole

Products Most Often Sold Together:

Amritsar: Bajra

Asansole: Wheat

Gurugram: Oats

Hyderabad: Brown rice

Kanpur: Corn

Madurai: Sooji

Nagpur: Ragi

Surat: Sattu

The screenshot displays a Jupyter Notebook interface with a file explorer on the left, a code editor in the center, and a data preview on the right.

Code Editor:

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product_combinations = df.groupby('City')['GrainName'].apply(lambda x: ', '.join(x.unique()))

print("Products Most Often Sold Together:")
```

Data Preview (grainsales.csv):

GrainName	State	City	Months	Year	Sales
Ragi	Maharashtra	Nagpur	JAN	2023	1000000
Bajra	Punjab	Amritsar	FEB	2023	1500000
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Bajra	Punjab	Amritsar	FEB	2023	1500000
Ragi	Maharashtra	Nagpur	JAN	2023	1000000
Bajra	Punjab	Amritsar	FEB	2023	1500000
Oats	Haryana	Gurugram	MARCH	2023	2000000
Sattu	Gujarat	Surat	APRIL	2023	2500000
Sooji	Tamil Nadu	Madurai	MAY	2023	3000000
Brown rice	Telangana	Hyderabad	JUNE	2023	3500000