



SKCT

EDA System Dataset for Colab

Untitled10.ipynb - Colab

colab.research.google.com/drive/1IF033K-ibn83bNOiVREaBOn6rtSbVhNW#scrollTo=qIF1BLZcQqQt

Sharing placement.skct.edu.in to placement.skct.edu.in

Stop sharing

Share this tab instead

Untitled10.ipynb

File Edit View Insert Runtime Tools Help

Commands + Code + Text Run all

RAM Disk

[4] 13s

```
plt.title("Region-wise Sales Distribution")
plt.ylabel("")
plt.show()

# Correlation heatmap
sns.heatmap(correlation, annot=True, cmap="coolwarm")
plt.title("Correlation Matrix")
plt.show()

# 9. SQL Integration
conn = sqlite3.connect("customer.db")
df.to_sql("transactions", conn, if_exists="replace", index=False)

query = """
SELECT Region, SUM(TotalAmount) AS TotalSales
FROM transactions
GROUP BY Region
"""

sql_result = pd.read_sql(query, conn)

print("\nSQL QUERY RESULT")
print(sql_result)

# 10. Business Insights
```

Snipping Tool

Screenshot copied to clipboard  
Automatically saved to screenshots folder.

Mark-up and share

31°C  
Partly sunny

Search

18:17  
08-02-2026

Data columns (total 9 columns):

#	Column	Non-Null Count	Dtype
0	TransactionID	12 non-null	object
1	CustomerID	12 non-null	object
2	Date	12 non-null	object
3	Region	12 non-null	object
4	ProductCategory	12 non-null	object
5	ProductName	12 non-null	object
6	Quantity	12 non-null	int64
7	UnitPrice	12 non-null	int64
8	PaymentMode	12 non-null	object

dtypes: int64(2), object(7)  
memory usage: 996.0+ bytes

MISSING VALUES

TransactionID	0
CustomerID	0
Date	0
Region	0
ProductCategory	0
ProductName	0
Quantity	0
UnitPrice	0
PaymentMode	0

dtype: int64

## STATISTICAL SUMMARY

	Quantity	UnitPrice
count	12.000000	12.000000
mean	2.000000	1616.666667
std	1.206045	1330.812010
min	1.000000	150.000000
25%	1.000000	725.000000
50%	2.000000	1350.000000
75%	2.250000	2125.000000
max	5.000000	5000.000000

MEAN SALES: 2250.0

VARIANCE OF SALES: 1498636.3636363635

### CORRELATION MATRIX

	Quantity	UnitPrice	TotalAmount
Quantity	1.000000	-0.668358	-0.461803
UnitPrice	-0.668358	1.000000	0.868265
TotalAmount	-0.461803	0.868265	1.000000

## OUTLIERS

TransactionID	CustomerID	Date	Region	ProductCategory	ProductName	
5	T006	C105	2023-01-10	North	Electronics	Smart Watch

Quantity	UnitPrice	PaymentMode	TotalAmount	
5	1	5000	UPI	5000

[illegible]







