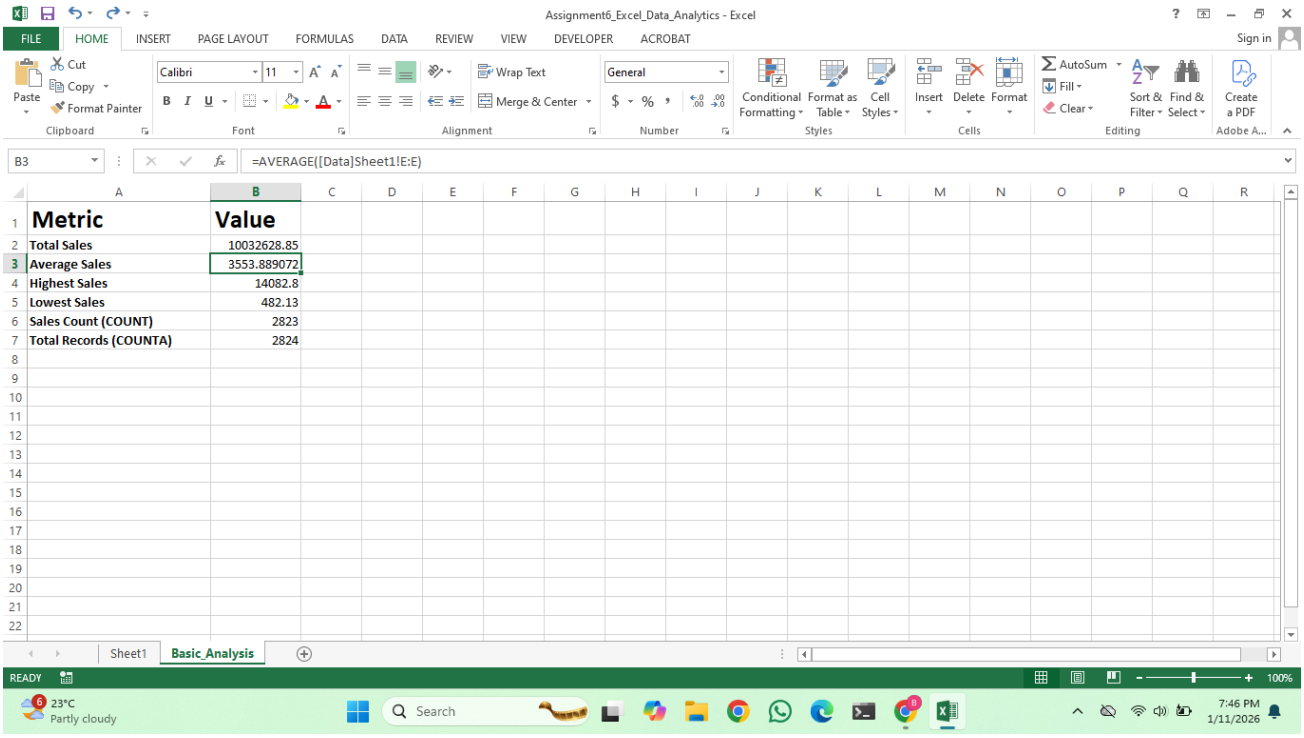
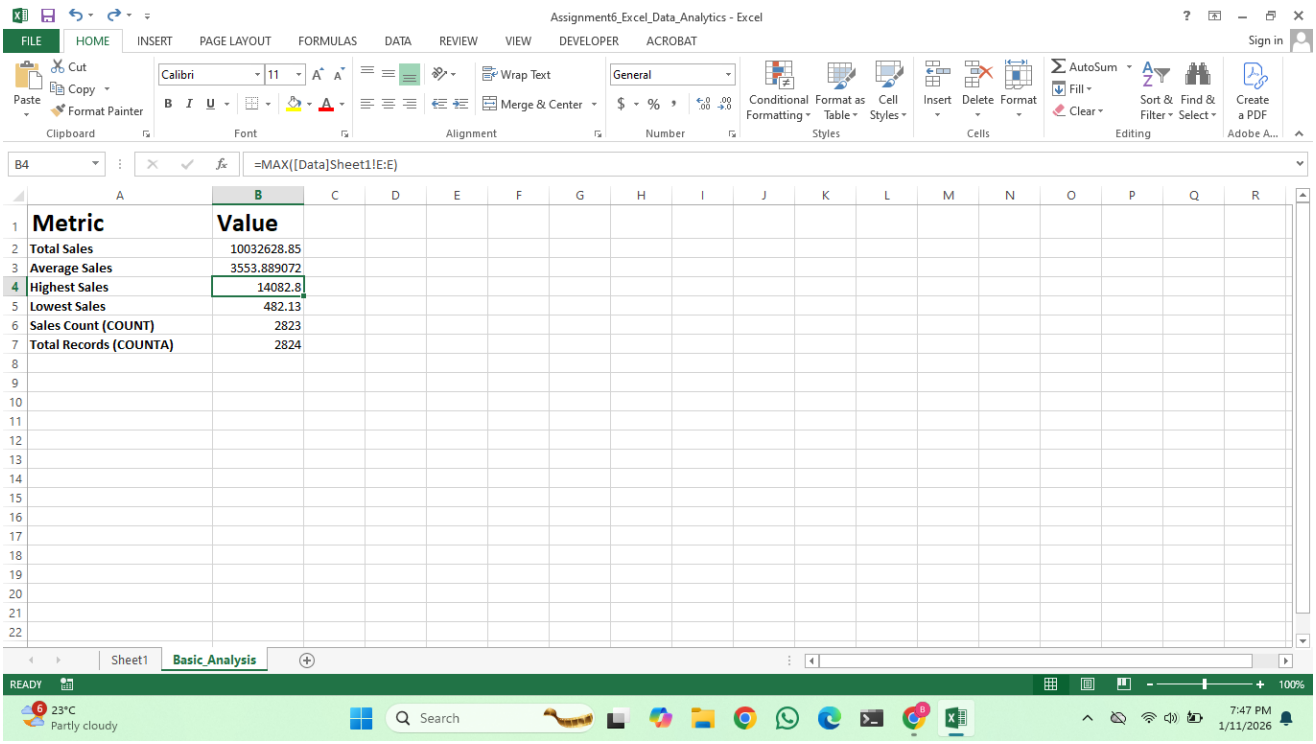
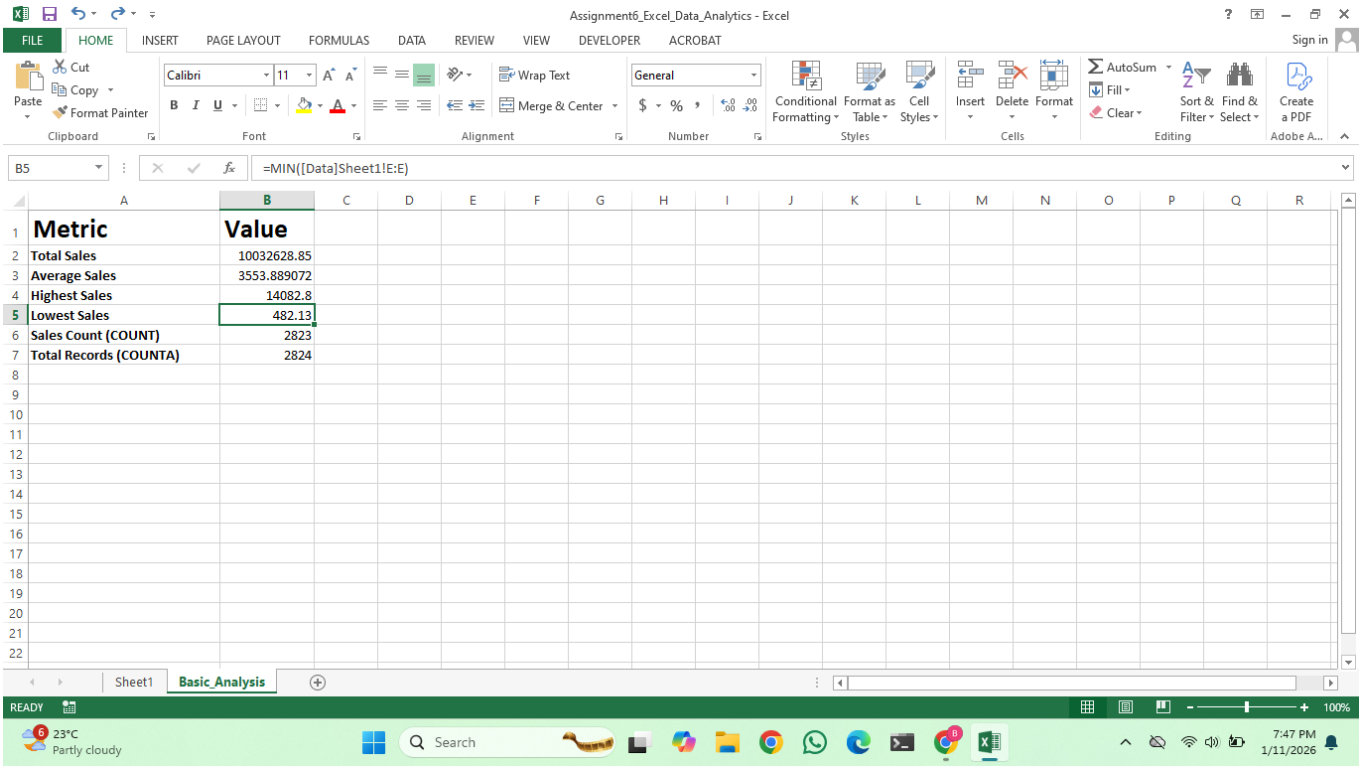
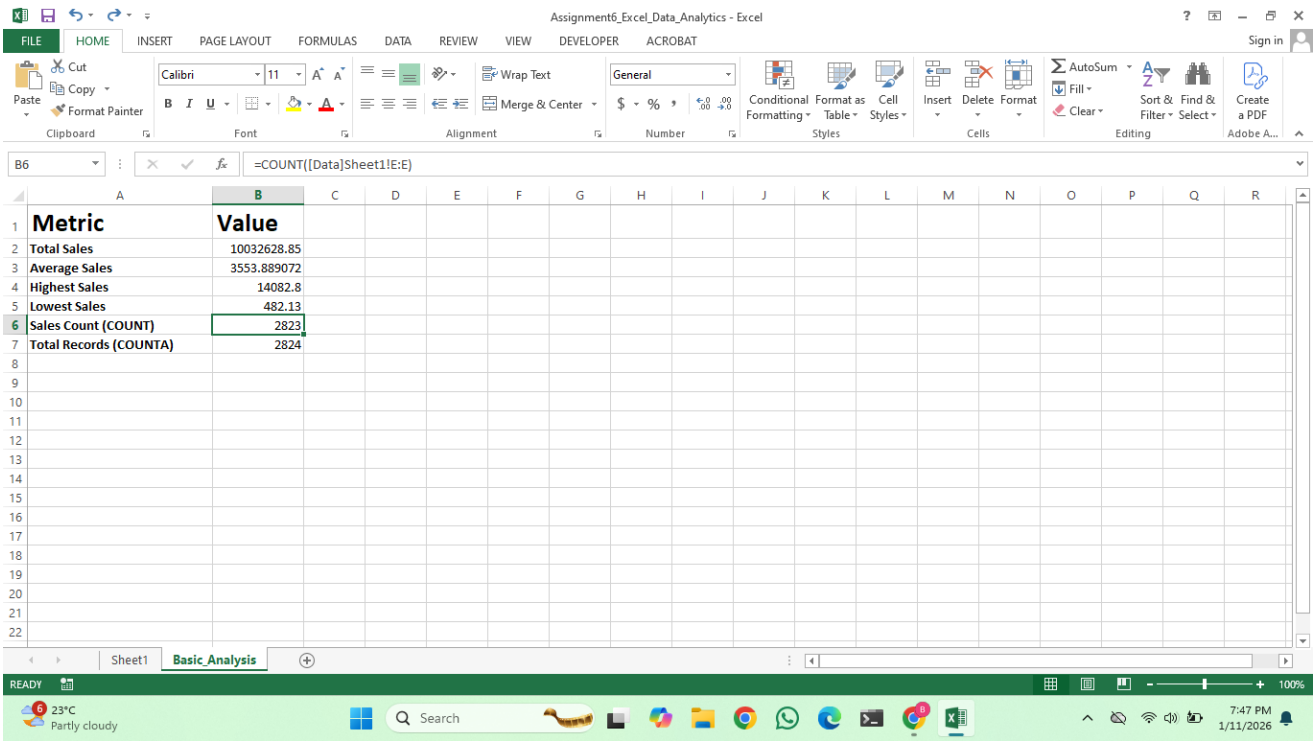

Assignment6_Excel_Data_Analytics - Excel
FILE
HOME
INSERT
PAGE LAYOUT
FORMULAS
DATA
REVIEW
VIEW
DEVELOPER
ACROBAT
Sign in
Paste
Cut
Copy
Format Painter
Clipboard
Calibri
11
Font
Wrap Text
Merge & Center
Alignment
General
Number
Conditional Formatting
Format as Table
Cell Styles
Styles
Insert
Delete
Format
Cells
AutoSum
Fill
Clear
Sort & Filter
Find & Select
Editing
Create a PDF
Adobe A...
B3
=AVERAGE([Data]Sheet1!E:E)
Metric
Value
Total Sales
10032628.85
Average Sales
3553.889072
Highest Sales
14082.8
Lowest Sales
482.13
Sales Count (COUNT)
2823
Total Records (COUNTA)
2824
Sheet1
Basic_Analysis
READY
100%
23°C
Partly cloudy
Search
7:46 PM
1/11/2026

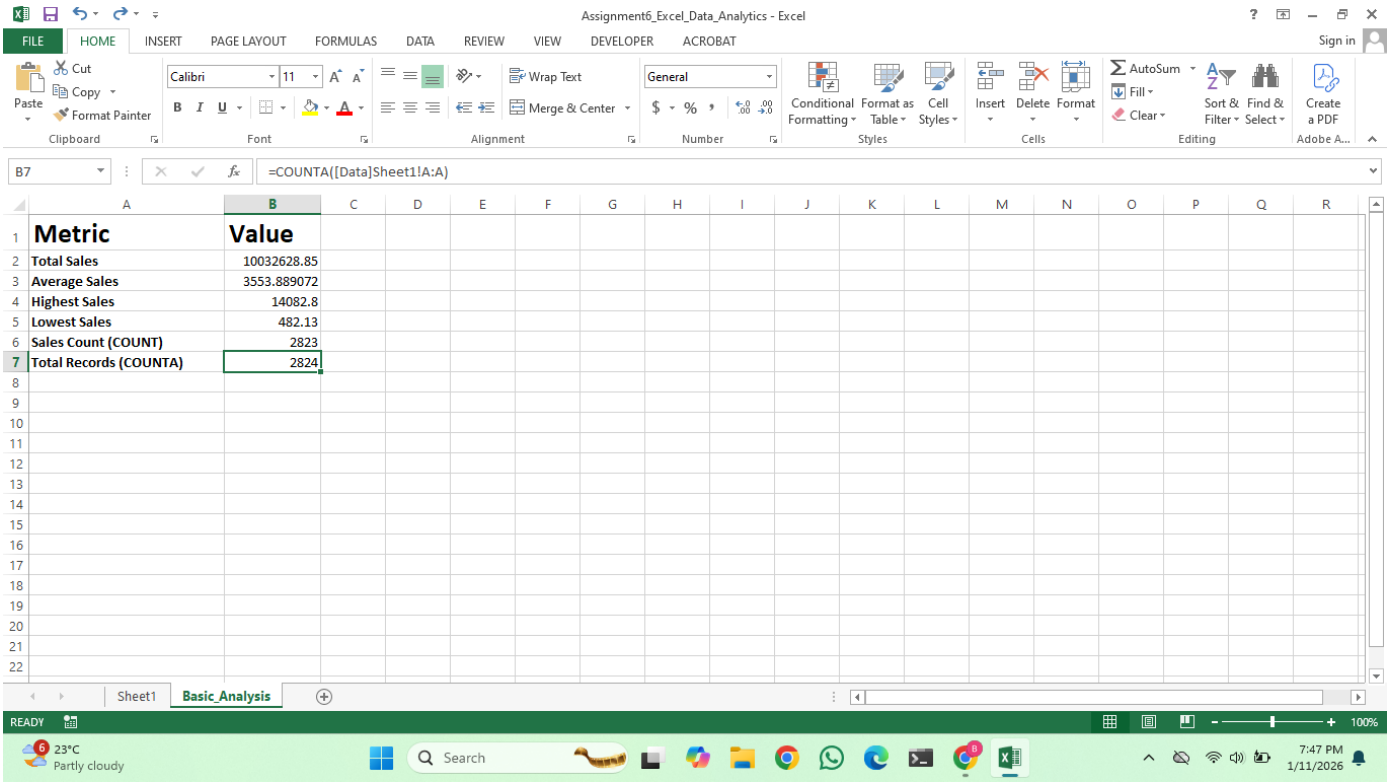


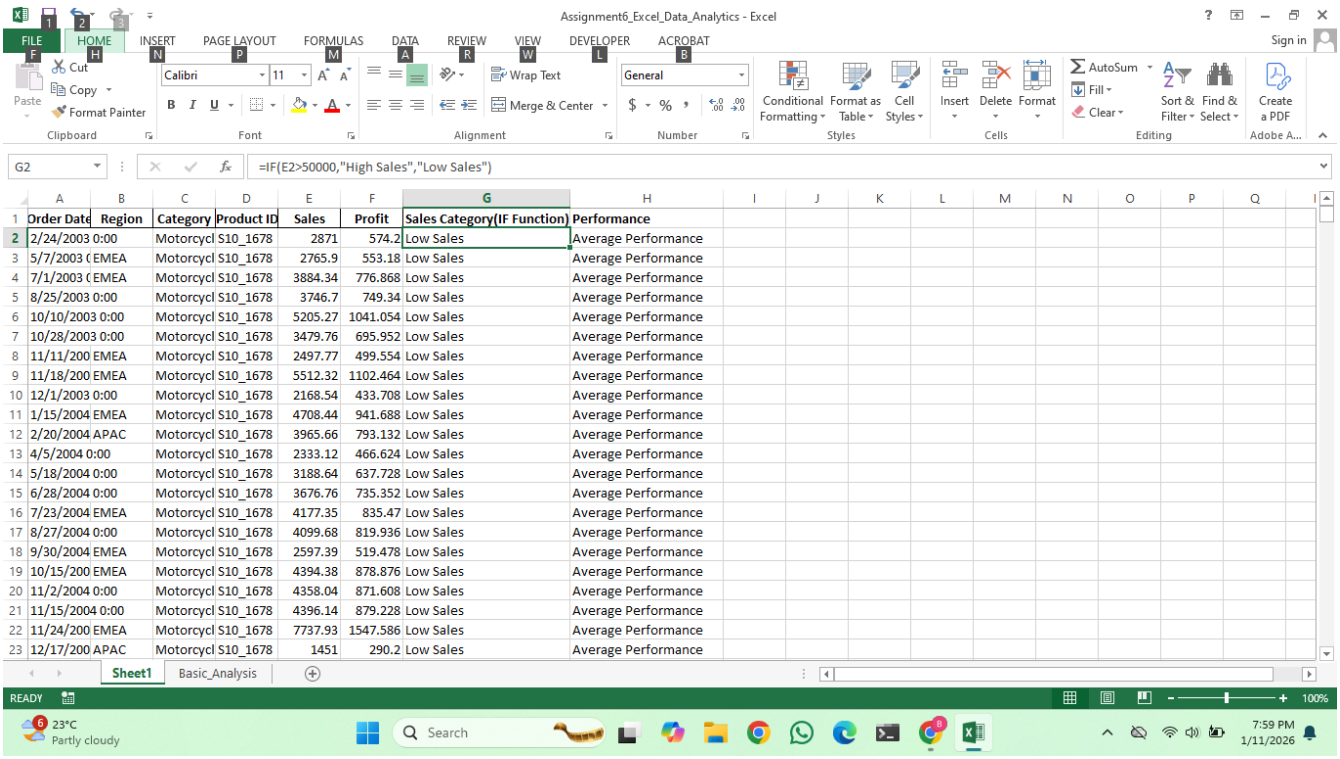
Metric	Value
Total Sales	10032628.85
Average Sales	3553.889072
Highest Sales	14082.8
Lowest Sales	482.13
Sales Count (COUNT)	2823
Total Records (COUNTA)	2824



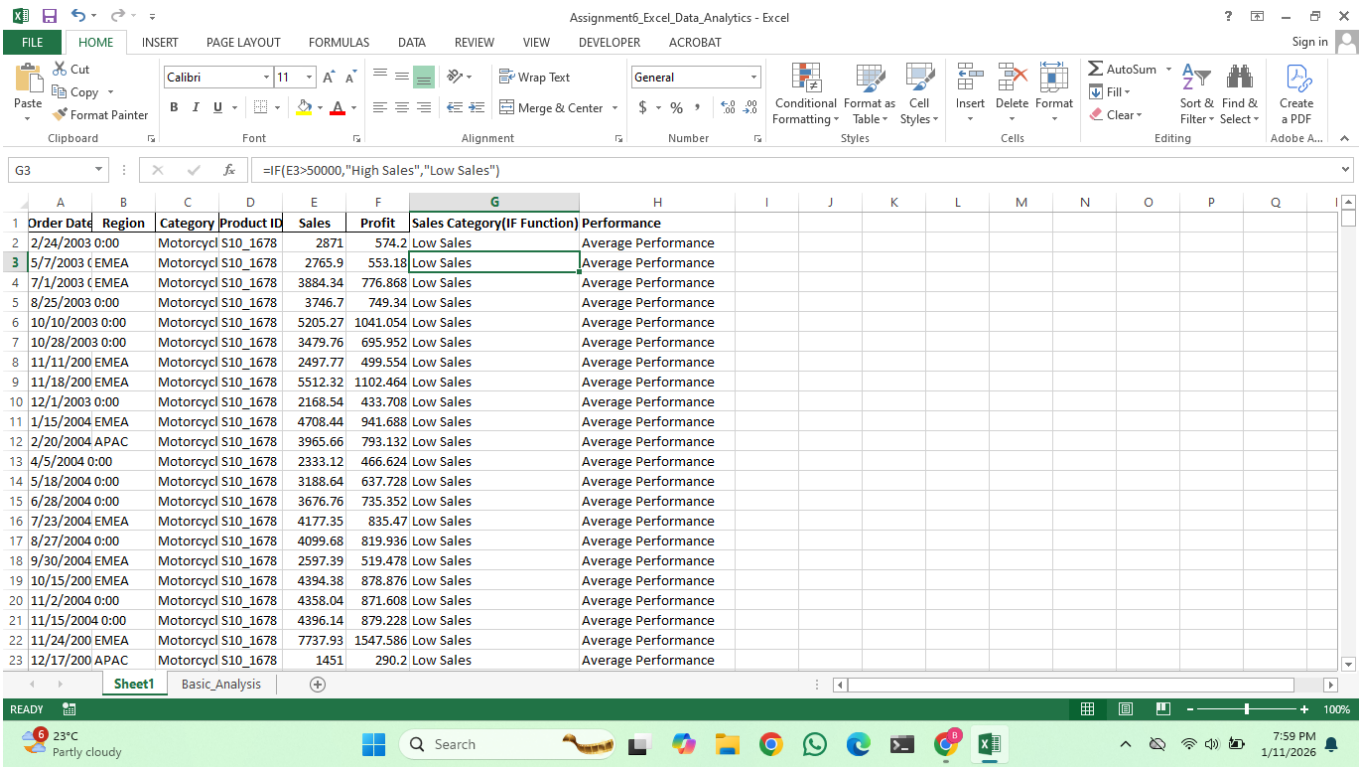
Metric	Value
Total Sales	10032628.85
Average Sales	3553.889072
Highest Sales	14082.8
Lowest Sales	482.13
Sales Count (COUNT)	2823
Total Records (COUNTA)	2824


Assignment6_Excel_Data_Analytics - Excel
B6
=COUNT([Data]Sheet1!E:E)
Metric
Value
Total Sales
10032628.85
Average Sales
3553.889072
Highest Sales
14082.8
Lowest Sales
482.13
Sales Count (COUNT)
2823
Total Records (COUNTA)
2824
Sheet1
Basic_Analysis
READY
23°C
Partly cloudy
Search
7:47 PM
1/11/2026


Assignment6_Excel_Data_Analytics - Excel
B7
=COUNTA([Data]Sheet1!A:A)
Metric
Value
Total Sales
10032628.85
Average Sales
3553.889072
Highest Sales
14082.8
Lowest Sales
482.13
Sales Count (COUNT)
2823
Total Records (COUNTA)
2824
Sheet1
Basic_Analysis
READY
23°C
Partly cloudy
Search
7:47 PM
1/11/2026



Order Date	Region	Category	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
2/24/2003 0:00		Motorcycl	S10_1678	2871	574.2	Low Sales	Average Performance
5/7/2003 0	EMEA	Motorcycl	S10_1678	2765.9	553.18	Low Sales	Average Performance
7/1/2003 0	EMEA	Motorcycl	S10_1678	3884.34	776.868	Low Sales	Average Performance
8/25/2003 0:00		Motorcycl	S10_1678	3746.7	749.34	Low Sales	Average Performance
10/10/2003 0:00		Motorcycl	S10_1678	5205.27	1041.054	Low Sales	Average Performance
10/28/2003 0:00		Motorcycl	S10_1678	3479.76	695.952	Low Sales	Average Performance
11/11/200	EMEA	Motorcycl	S10_1678	2497.77	499.554	Low Sales	Average Performance
11/18/200	EMEA	Motorcycl	S10_1678	5512.32	1102.464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycl	S10_1678	2168.54	433.708	Low Sales	Average Performance
1/15/2004	EMEA	Motorcycl	S10_1678	4708.44	941.688	Low Sales	Average Performance
2/20/2004	APAC	Motorcycl	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycl	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycl	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycl	S10_1678	3676.76	735.352	Low Sales	Average Performance
7/23/2004	EMEA	Motorcycl	S10_1678	4177.35	835.47	Low Sales	Average Performance
8/27/2004 0:00		Motorcycl	S10_1678	4099.68	819.936	Low Sales	Average Performance
9/30/2004	EMEA	Motorcycl	S10_1678	2597.39	519.478	Low Sales	Average Performance
10/15/200	EMEA	Motorcycl	S10_1678	4394.38	878.876	Low Sales	Average Performance
11/2/2004 0:00		Motorcycl	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycl	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/200	EMEA	Motorcycl	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/200	APAC	Motorcycl	S10_1678	1451	290.2	Low Sales	Average Performance



Order Date	Region	Category	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
2/24/2003 0:00		Motorcycl	S10_1678	2871	574.2	Low Sales	Average Performance
5/7/2003 0	EMEA	Motorcycl	S10_1678	2765.9	553.18	Low Sales	Average Performance
7/1/2003 0	EMEA	Motorcycl	S10_1678	3884.34	776.868	Low Sales	Average Performance
8/25/2003 0:00		Motorcycl	S10_1678	3746.7	749.34	Low Sales	Average Performance
10/10/2003 0:00		Motorcycl	S10_1678	5205.27	1041.054	Low Sales	Average Performance
10/28/2003 0:00		Motorcycl	S10_1678	3479.76	695.952	Low Sales	Average Performance
11/11/200	EMEA	Motorcycl	S10_1678	2497.77	499.554	Low Sales	Average Performance
11/18/200	EMEA	Motorcycl	S10_1678	5512.32	1102.464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycl	S10_1678	2168.54	433.708	Low Sales	Average Performance
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2/20/2004	APAC	Motorcycl	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycl	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycl	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycl	S10_1678	3676.76	735.352	Low Sales	Average Performance
7/23/2004	EMEA	Motorcycl	S10_1678	4177.35	835.47	Low Sales	Average Performance
8/27/2004 0:00		Motorcycl	S10_1678	4099.68	819.936	Low Sales	Average Performance
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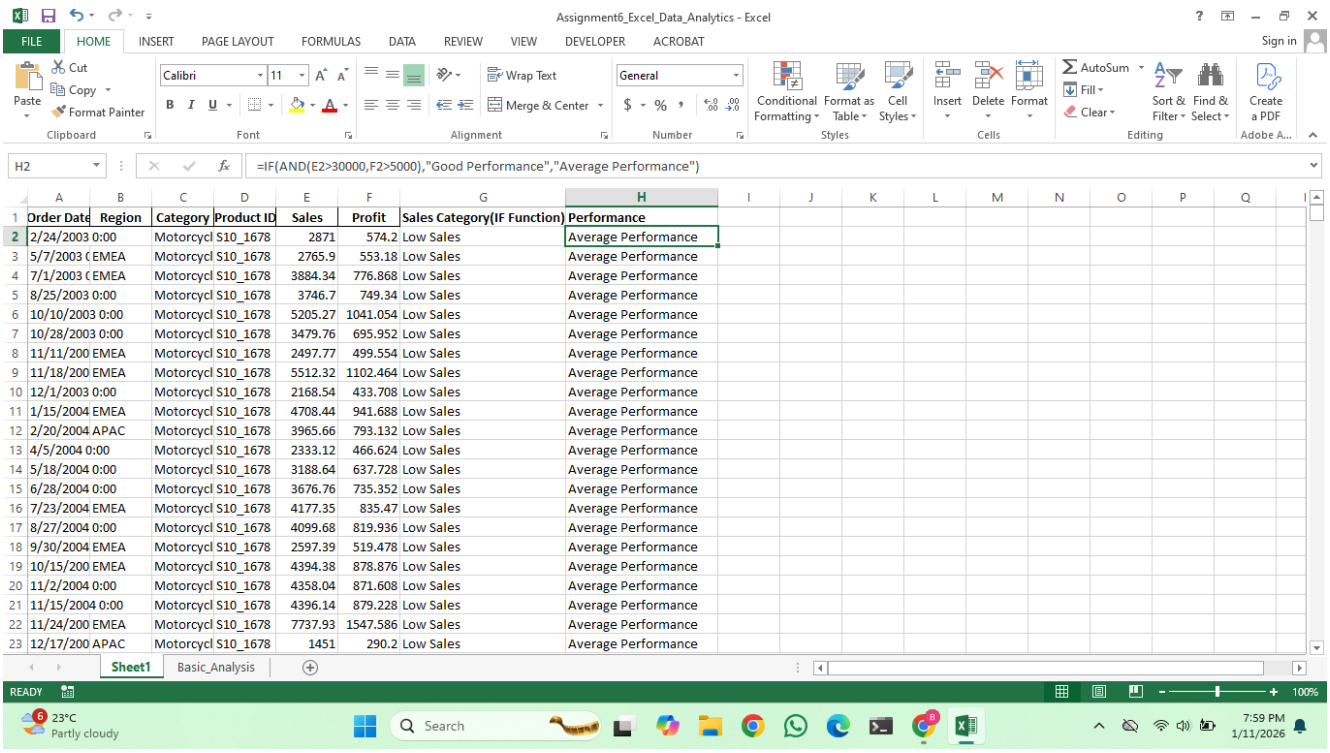
10/15/200	EMEA	Motorcycl	S10_1678	4394.38	878.876	Low Sales	Average Performance
11/2/2004 0:00		Motorcycl	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycl	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/200	EMEA	Motorcycl	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/200	APAC	Motorcycl	S10_1678	1451	290.2	Low Sales	Average Performance



Order Date	Region	Category	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
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11/11/200	EMEA	Motorcycl	S10_1678	2497.77	499.554	Low Sales	Average Performance
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6/28/2004 0:00		Motorcycl	S10_1678	3676.76	735.352	Low Sales	Average Performance
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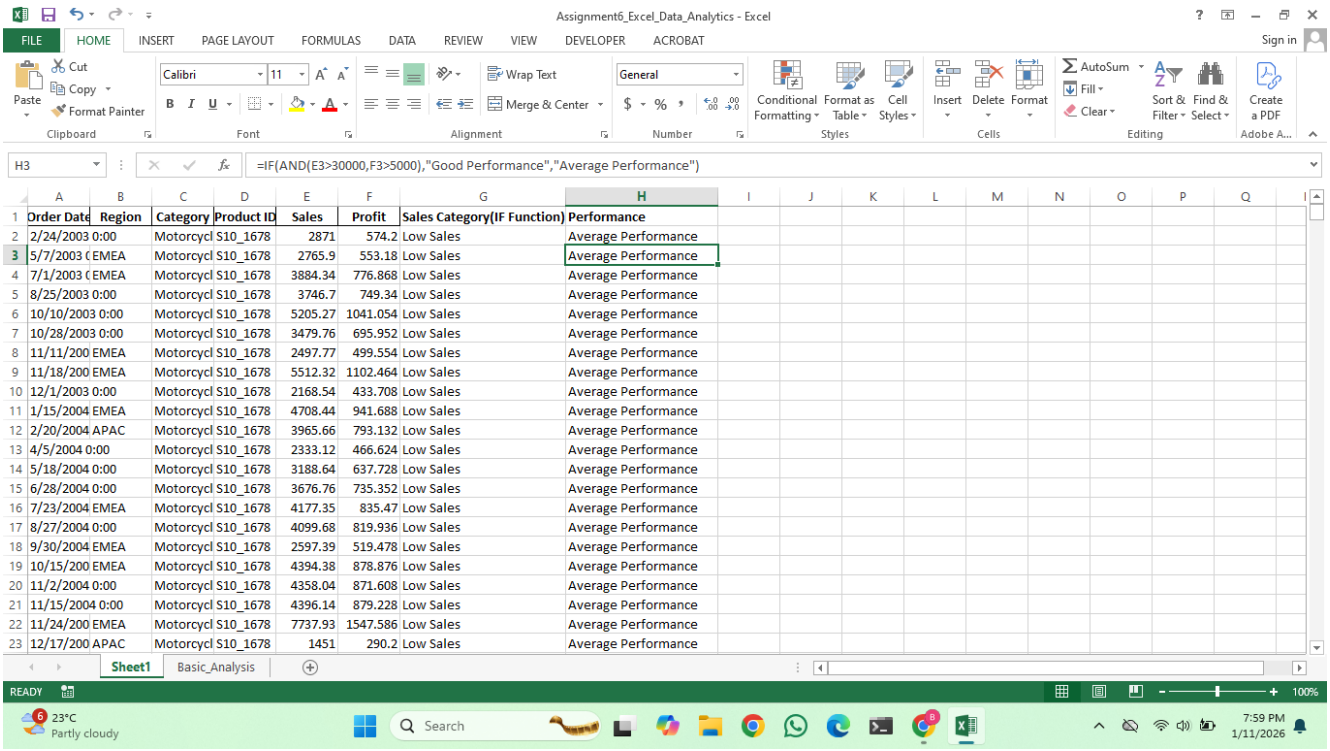
11/2/2004 0:00		Motorcycl	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycl	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/200	EMEA	Motorcycl	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/200	APAC	Motorcycl	S10_1678	1451	290.2	Low Sales	Average Performance



Order Date	Region	Category	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
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7/1/2003 0	EMEA	Motorcycl	S10_1678	3884.34	776.868	Low Sales	Average Performance
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11/11/200	EMEA	Motorcycl	S10_1678	2497.77	499.554	Low Sales	Average Performance
11/18/200	EMEA	Motorcycl	S10_1678	5512.32	1102.464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycl	S10_1678	2168.54	433.708	Low Sales	Average Performance
1/15/2004	EMEA	Motorcycl	S10_1678	4708.44	941.688	Low Sales	Average Performance
2/20/2004	APAC	Motorcycl	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycl	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycl	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycl	S10_1678	3676.76	735.352	Low Sales	Average Performance
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8/27/2004 0:00		Motorcycl	S10_1678	4099.68	819.936	Low Sales	Average Performance
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11/2/2004 0:00		Motorcycl	S10_1678	4358.04	871.608	Low Sales	Average Performance
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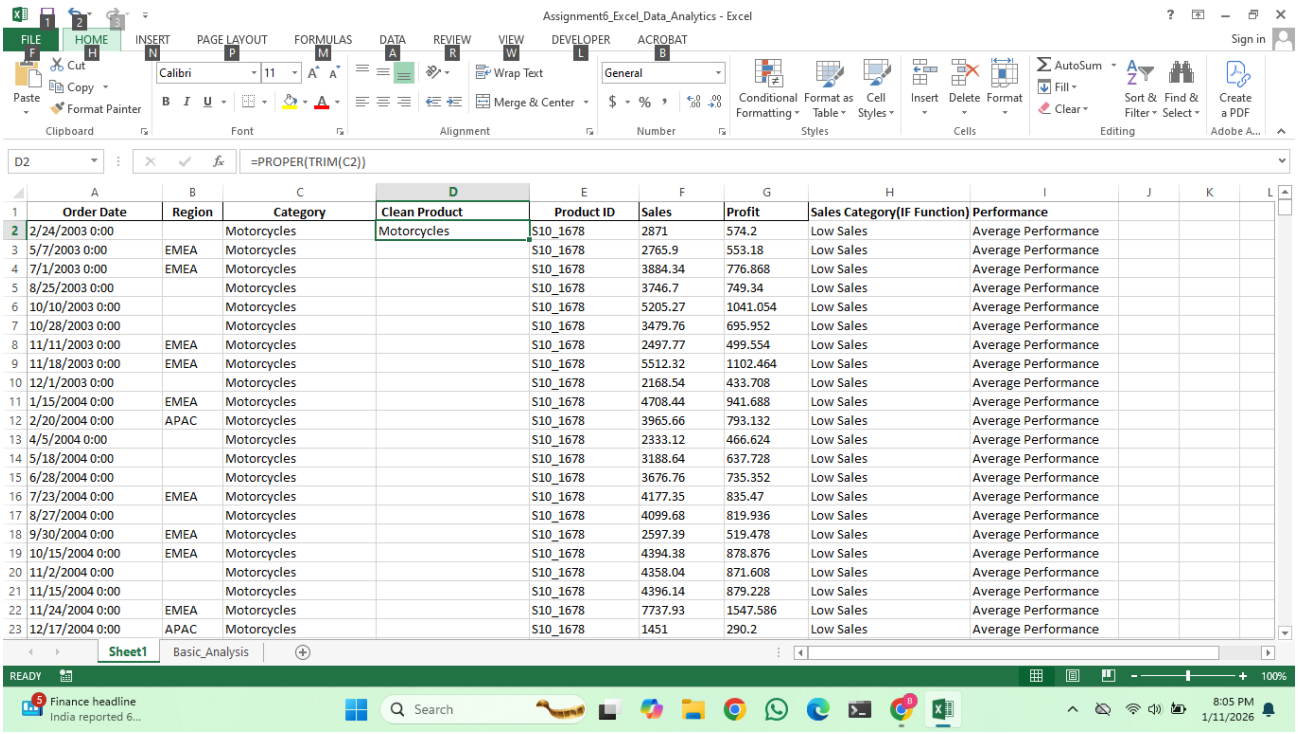
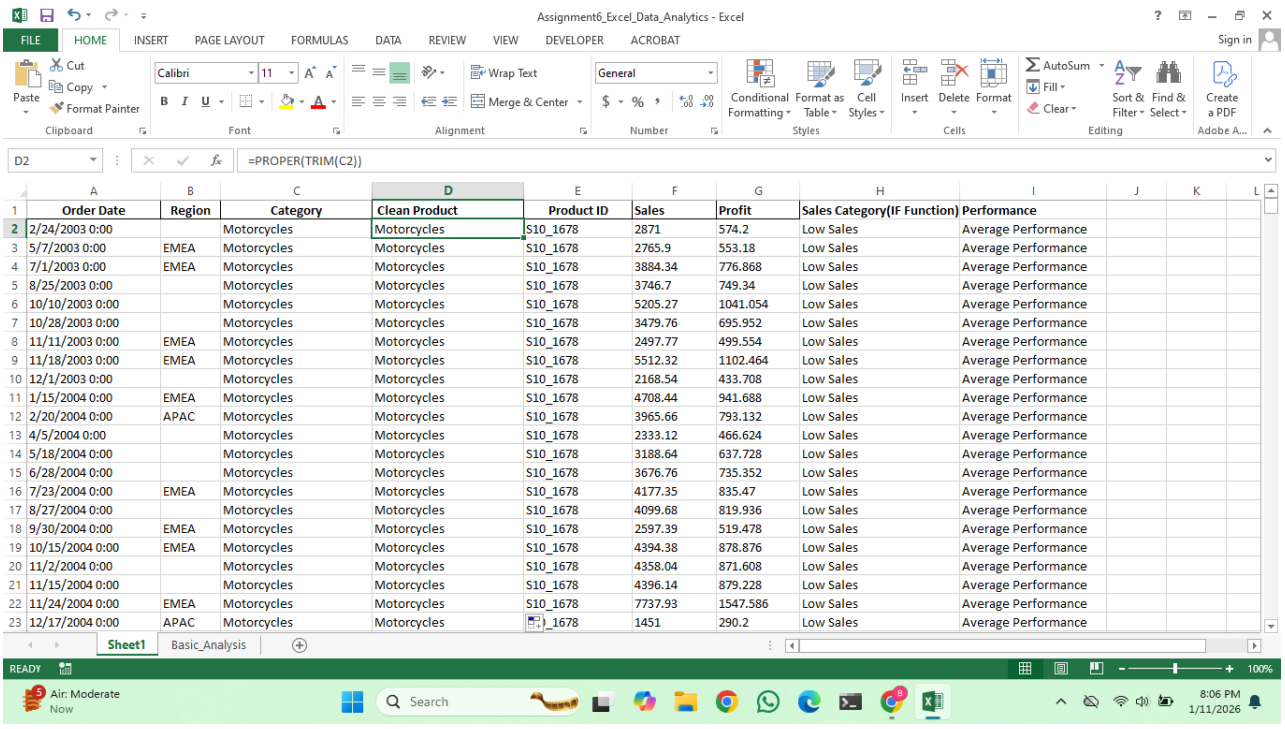
11/24/200	EMEA	Motorcycl	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/200	APAC	Motorcycl	S10_1678	1451	290.2	Low Sales	Average Performance



	A	B	C	D	E	F	G	H	I	J	K	L
1	Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance			
2	2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance			
3	5/7/2003 0:00	EMEA	Motorcycles		S10_1678	2765.9	553.18	Low Sales	Average Performance			
4	7/1/2003 0:00	EMEA	Motorcycles		S10_1678	3884.34	776.868	Low Sales	Average Performance			
5	8/25/2003 0:00		Motorcycles		S10_1678	3746.7	749.34	Low Sales	Average Performance			
6	10/10/2003 0:00		Motorcycles		S10_1678	5205.27	1041.054	Low Sales	Average Performance			
7	10/28/2003 0:00		Motorcycles		S10_1678	3479.76	695.952	Low Sales	Average Performance			
8	11/11/2003 0:00	EMEA	Motorcycles		S10_1678	2497.77	499.554	Low Sales	Average Performance			
9	11/18/2003 0:00	EMEA	Motorcycles		S10_1678	5512.32	1102.464	Low Sales	Average Performance			
10	12/1/2003 0:00		Motorcycles		S10_1678	2168.54	433.708	Low Sales	Average Performance			
11	1/15/2004 0:00	EMEA	Motorcycles		S10_1678	4708.44	941.688	Low Sales	Average Performance			
12	2/20/2004 0:00	APAC	Motorcycles		S10_1678	3965.66	793.132	Low Sales	Average Performance			
13	4/5/2004 0:00		Motorcycles		S10_1678	2333.12	466.624	Low Sales	Average Performance			
14	5/18/2004 0:00		Motorcycles		S10_1678	3188.64	637.728	Low Sales	Average Performance			
15	6/28/2004 0:00		Motorcycles		S10_1678	3676.76	735.352	Low Sales	Average Performance			
16	7/23/2004 0:00	EMEA	Motorcycles		S10_1678	4177.35	835.47	Low Sales	Average Performance			
17	8/27/2004 0:00		Motorcycles		S10_1678	4099.68	819.936	Low Sales	Average Performance			
18	9/30/2004 0:00	EMEA	Motorcycles		S10_1678	2597.39	519.478	Low Sales	Average Performance			
19	10/15/2004 0:00	EMEA	Motorcycles		S10_1678	4394.38	878.876	Low Sales	Average Performance			
20	11/2/2004 0:00		Motorcycles		S10_1678	4358.04	871.608	Low Sales	Average Performance			
21	11/15/2004 0:00		Motorcycles		S10_1678	4396.14	879.228	Low Sales	Average Performance			
22	11/24/2004 0:00	EMEA	Motorcycles		S10_1678	7737.93	1547.586	Low Sales	Average Performance			
23	12/17/2004 0:00	APAC	Motorcycles		S10_1678	1451	290.2	Low Sales	Average Performance			



	A	B	C	D	E	F	G	H	I	J	K	L
1	Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance			
2	2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance			
3	5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance			
4	7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance			
5	8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance			
6	10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance			
7	10/28/2003 0:00		Motorcycles	Motorcycles	S10_1678	3479.76	695.952	Low Sales	Average Performance			
8	11/11/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2497.77	499.554	Low Sales	Average Performance			
9	11/18/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	5512.32	1102.464	Low Sales	Average Performance			
10	12/1/2003 0:00		Motorcycles	Motorcycles	S10_1678	2168.54	433.708	Low Sales	Average Performance			
11	1/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4708.44	941.688	Low Sales	Average Performance			
12	2/20/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132	Low Sales	Average Performance			
13	4/5/2004 0:00		Motorcycles	Motorcycles	S10_1678	2333.12	466.624	Low Sales	Average Performance			
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15	6/28/2004 0:00		Motorcycles	Motorcycles	S10_1678	3676.76	735.352	Low Sales	Average Performance			
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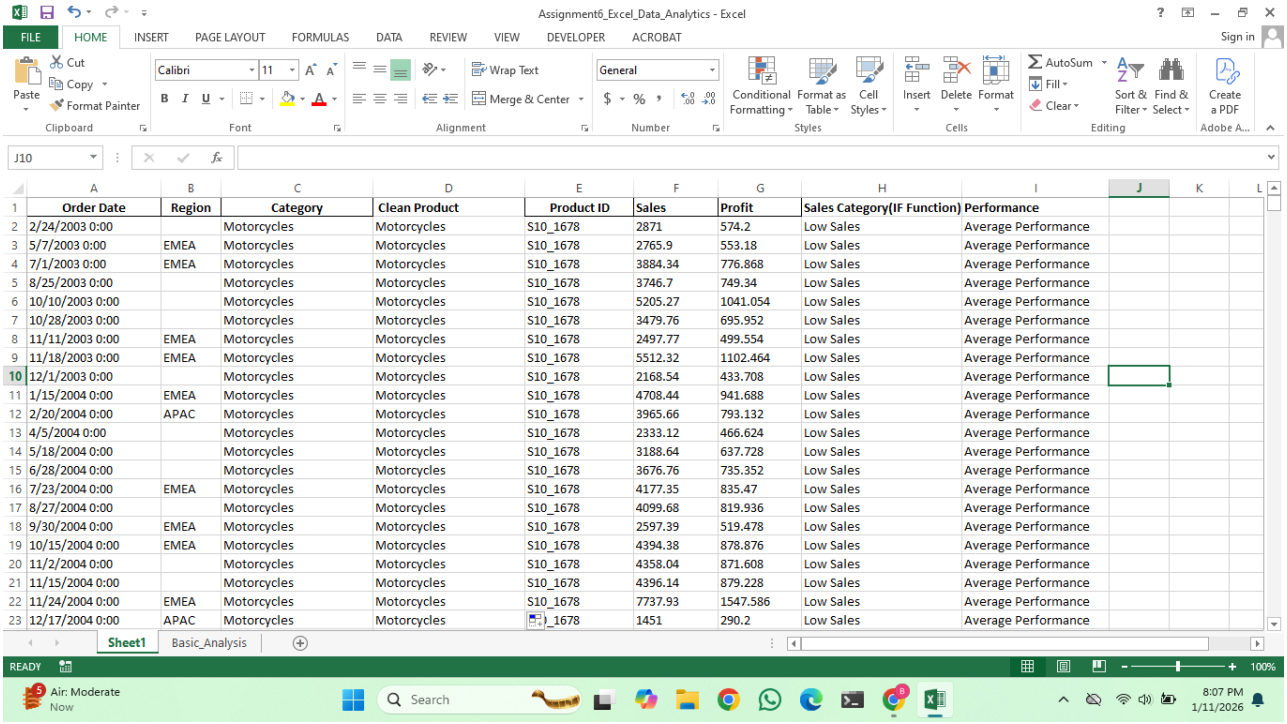
Assignment6_Excel_Data_Analytics - Excel
FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER ACROBAT
Sign in
Cut Copy Format Painter Paste
Calibri 11
Wrap Text Merge & Center
General
Conditional Formatting Format as Table Cell Styles
Insert Delete Format
AutoSum Fill Clear
Sort & Filter Find & Select
Create a PDF
Clipboard Font Alignment Number Styles Cells Editing Adobe A...
J10
Order Date Region Category Clean Product Product ID Sales Profit Sales Category(IF Function) Performance
2/24/2003 0:00 Motorcycles Motorcycles S10_1678 2871 574.2 Low Sales Average Performance
5/7/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 2765.9 553.18 Low Sales Average Performance
7/1/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 3884.34 776.868 Low Sales Average Performance
8/25/2003 0:00 Motorcycles Motorcycles S10_1678 3746.7 749.34 Low Sales Average Performance
10/10/2003 0:00 Motorcycles Motorcycles S10_1678 5205.27 1041.054 Low Sales Average Performance
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1/15/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4708.44 941.688 Low Sales Average Performance
2/20/2004 0:00 APAC Motorcycles Motorcycles S10_1678 3965.66 793.132 Low Sales Average Performance
4/5/2004 0:00 Motorcycles Motorcycles S10_1678 2333.12 466.624 Low Sales Average Performance
5/18/2004 0:00 Motorcycles Motorcycles S10_1678 3188.64 637.728 Low Sales Average Performance
6/28/2004 0:00 Motorcycles Motorcycles S10_1678 3676.76 735.352 Low Sales Average Performance
7/23/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4177.35 835.47 Low Sales Average Performance
8/27/2004 0:00 Motorcycles Motorcycles S10_1678 4099.68 819.936 Low Sales Average Performance
9/30/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 2597.39 519.478 Low Sales Average Performance
10/15/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4394.38 878.876 Low Sales Average Performance
11/2/2004 0:00 Motorcycles Motorcycles S10_1678 4358.04 871.608 Low Sales Average Performance
11/15/2004 0:00 Motorcycles Motorcycles S10_1678 4396.14 879.228 Low Sales Average Performance
11/24/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 7737.93 1547.586 Low Sales Average Performance
12/17/2004 0:00 APAC Motorcycles Motorcycles _1678 1451 290.2 Low Sales Average Performance
Sheet1 Basic_Analysis
READY 100%
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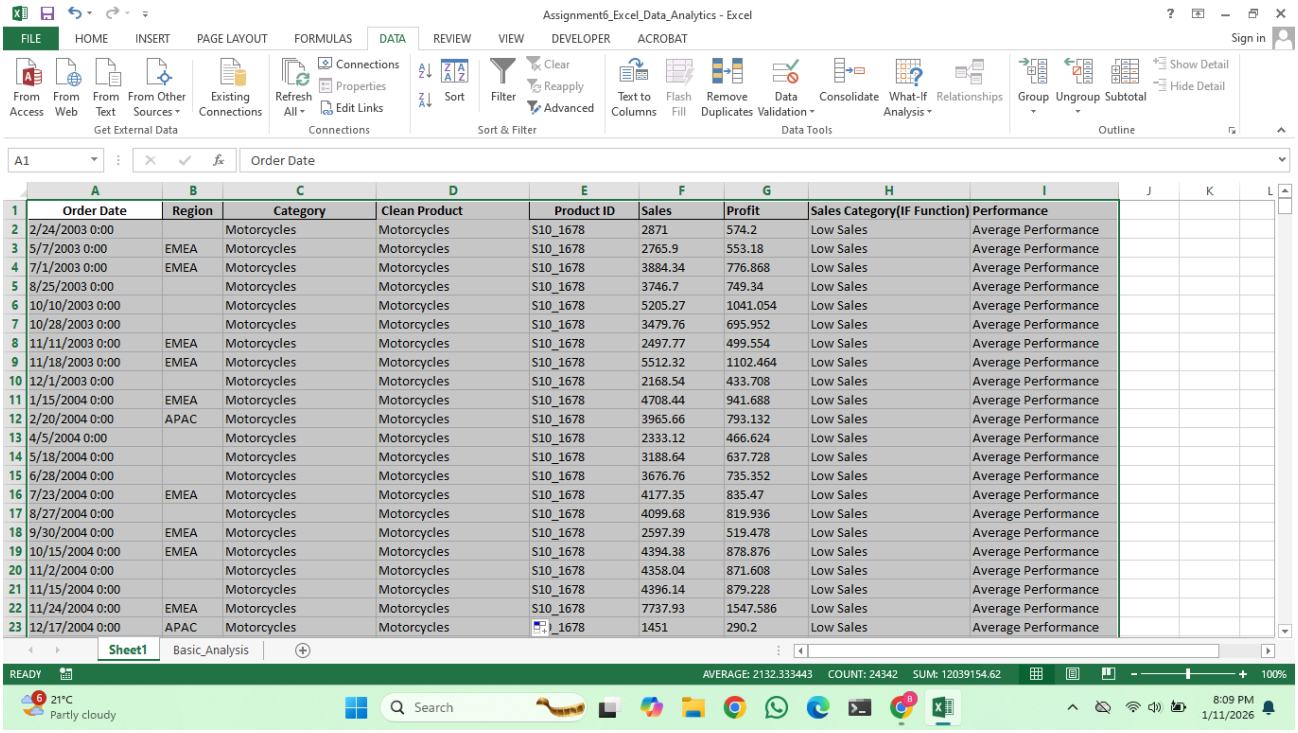
Search
8:07 PM 1/11/2026


Assignment6_Excel_Data_Analytics - Excel
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Sign in
From Access From Web From Text From Other Sources Existing Connections
Refresh All Connections Properties Edit Links
Sort Filter Clear Reapply Advanced
Text to Columns Flash Fill Remove Duplicates Data Validation Consolidate What-If Analysis Relationships
Group Ungroup Subtotal Show Detail Hide Detail
Get External Data Connections Sort & Filter Data Tools Outline
A1
Order Date
Order Date Region Category Clean Product Product ID Sales Profit Sales Category(IF Function) Performance
2/24/2003 0:00 Motorcycles Motorcycles S10_1678 2871 574.2 Low Sales Average Performance
5/7/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 2765.9 553.18 Low Sales Average Performance
7/1/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 3884.34 776.868 Low Sales Average Performance
8/25/2003 0:00 Motorcycles Motorcycles S10_1678 3746.7 749.34 Low Sales Average Performance
10/10/2003 0:00 Motorcycles Motorcycles S10_1678 5205.27 1041.054 Low Sales Average Performance
10/28/2003 0:00 Motorcycles Motorcycles S10_1678 3479.76 695.952 Low Sales Average Performance
11/11/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 2497.77 499.554 Low Sales Average Performance
11/18/2003 0:00 EMEA Motorcycles Motorcycles S10_1678 5512.32 1102.464 Low Sales Average Performance
12/1/2003 0:00 Motorcycles Motorcycles S10_1678 2168.54 433.708 Low Sales Average Performance
1/15/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4708.44 941.688 Low Sales Average Performance
2/20/2004 0:00 APAC Motorcycles Motorcycles S10_1678 3965.66 793.132 Low Sales Average Performance
4/5/2004 0:00 Motorcycles Motorcycles S10_1678 2333.12 466.624 Low Sales Average Performance
5/18/2004 0:00 Motorcycles Motorcycles S10_1678 3188.64 637.728 Low Sales Average Performance
6/28/2004 0:00 Motorcycles Motorcycles S10_1678 3676.76 735.352 Low Sales Average Performance
7/23/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4177.35 835.47 Low Sales Average Performance
8/27/2004 0:00 Motorcycles Motorcycles S10_1678 4099.68 819.936 Low Sales Average Performance
9/30/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 2597.39 519.478 Low Sales Average Performance
10/15/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 4394.38 878.876 Low Sales Average Performance
11/2/2004 0:00 Motorcycles Motorcycles S10_1678 4358.04 871.608 Low Sales Average Performance
11/15/2004 0:00 Motorcycles Motorcycles S10_1678 4396.14 879.228 Low Sales Average Performance
11/24/2004 0:00 EMEA Motorcycles Motorcycles S10_1678 7737.93 1547.586 Low Sales Average Performance
12/17/2004 0:00 APAC Motorcycles Motorcycles _1678 1451 290.2 Low Sales Average Performance
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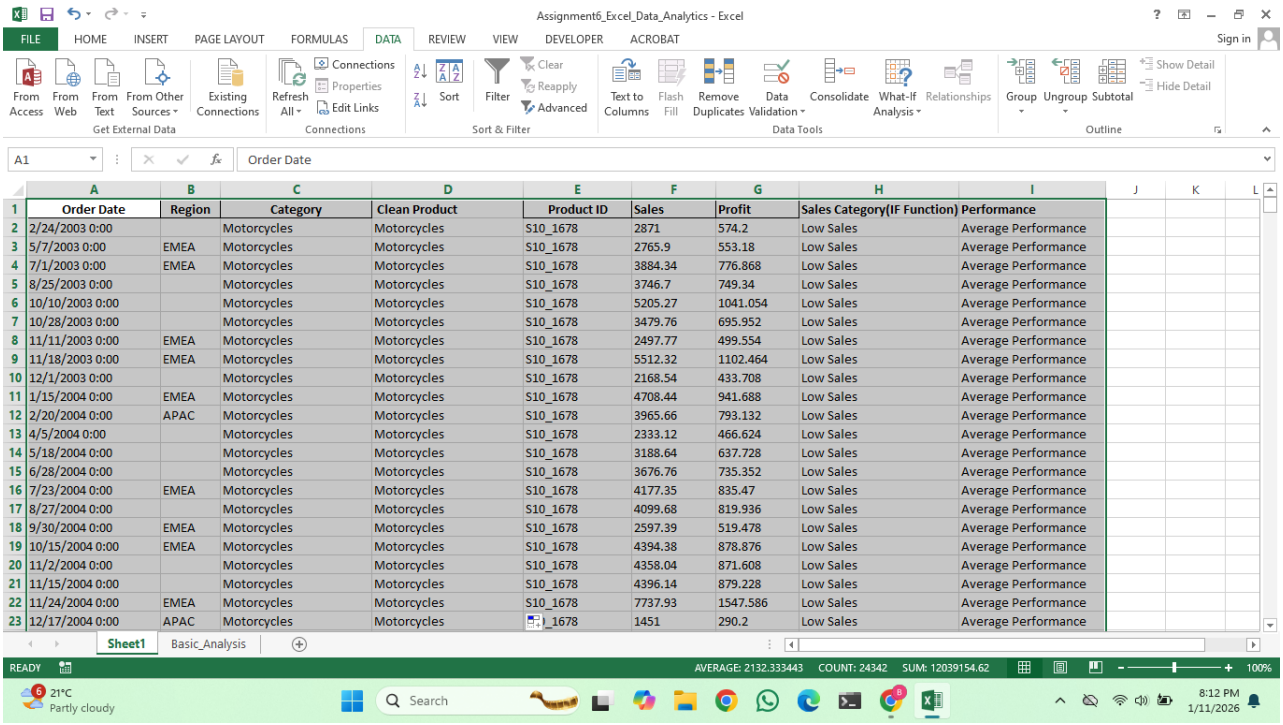
Search
8:09 PM 1/11/2026



Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
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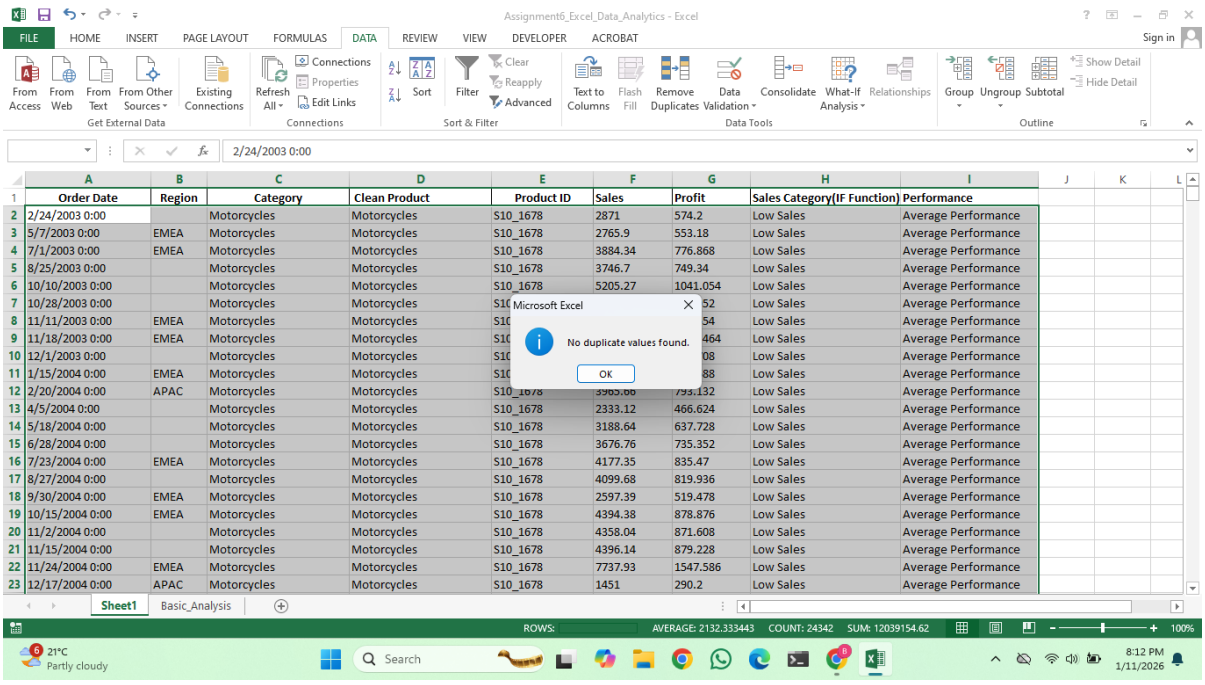
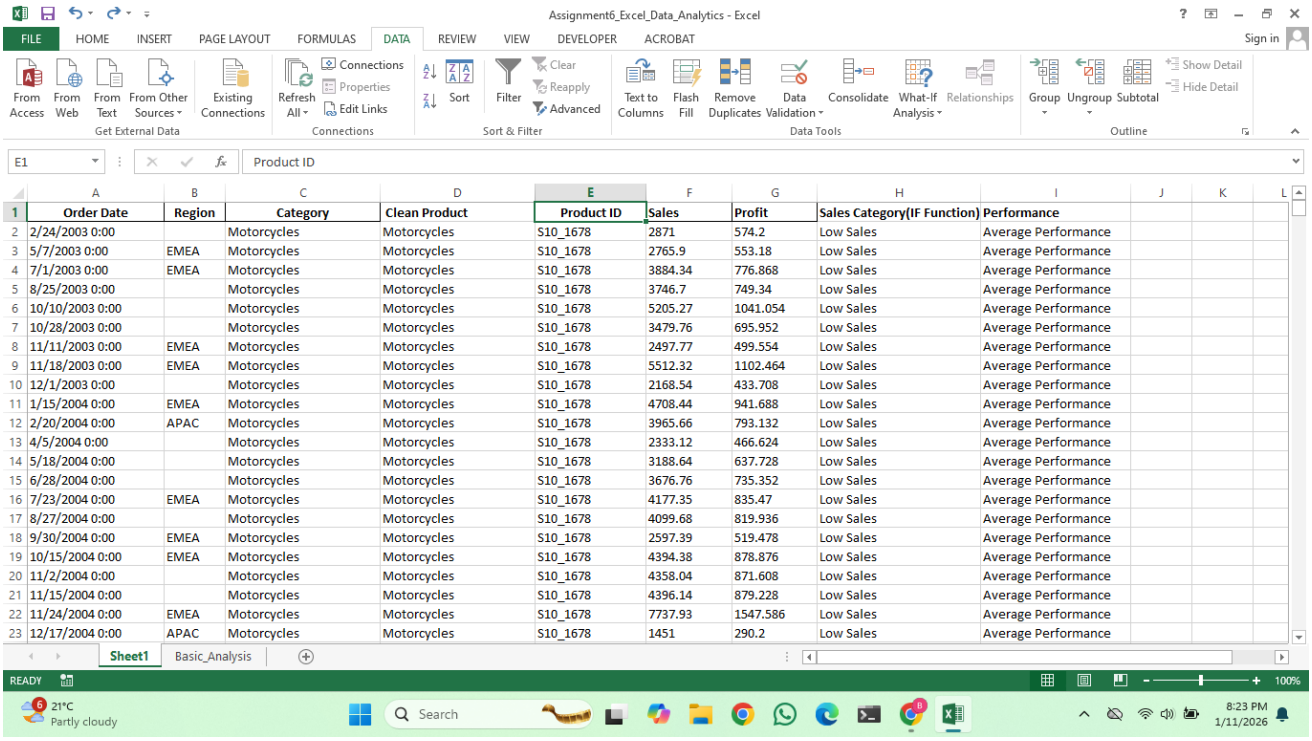
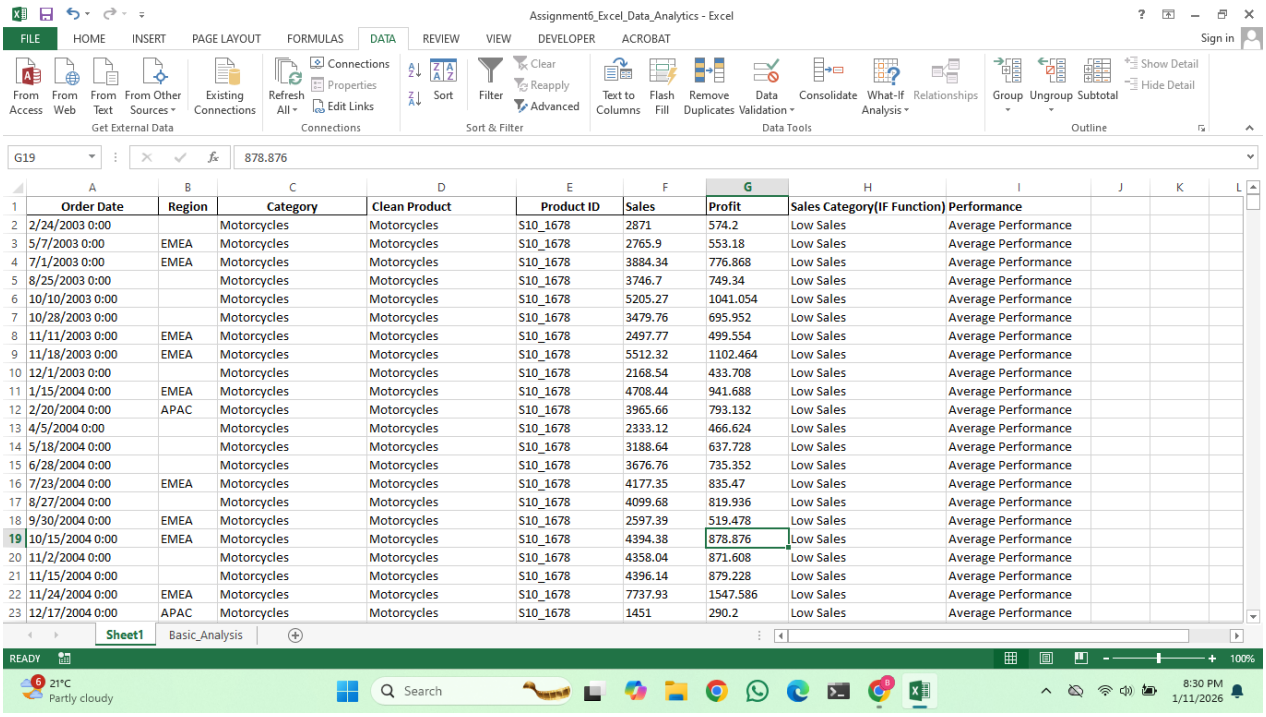
5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance
7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance
8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance
10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance
10/28/2003 0:00		Motorcycles	Motorcycles	S10_1678	3479.76	695.952	Low Sales	Average Performance
11/11/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2497.77	499.554	Low Sales	Average Performance
11/18/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	5512.32	1102.464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycles	Motorcycles	S10_1678	2168.54	433.708	Low Sales	Average Performance
1/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4708.44	941.688	Low Sales	Average Performance
2/20/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycles	Motorcycles	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycles	Motorcycles	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycles	Motorcycles	S10_1678	3676.76	735.352	Low Sales	Average Performance
7/23/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4177.35	835.47	Low Sales	Average Performance
8/27/2004 0:00		Motorcycles	Motorcycles	S10_1678	4099.68	819.936	Low Sales	Average Performance
9/30/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2597.39	519.478	Low Sales	Average Performance
10/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4394.38	878.876	Low Sales	Average Performance
11/2/2004 0:00		Motorcycles	Motorcycles	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycles	Motorcycles	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2	Low Sales	Average Performance



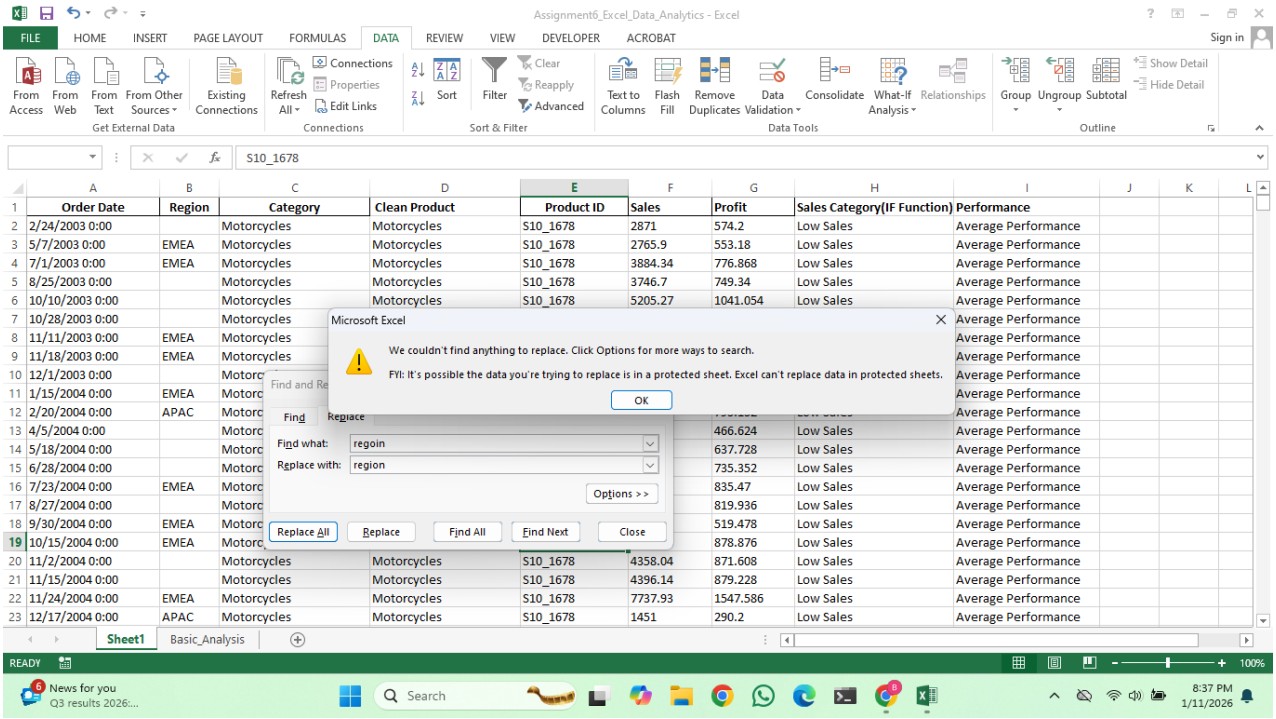
Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance
5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance
7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance
8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance
10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance
10/28/2003 0:00		Motorcycles	Motorcycles	S10		52	Low Sales	Average Performance
11/11/2003 0:00	EMEA	Motorcycles	Motorcycles	S10		54	Low Sales	Average Performance
11/18/2003 0:00	EMEA	Motorcycles	Motorcycles	S10		464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycles	Motorcycles	S10		08	Low Sales	Average Performance
1/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10		88	Low Sales	Average Performance
2/20/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycles	Motorcycles	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycles	Motorcycles	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycles	Motorcycles	S10_1678	3676.76	735.352	Low Sales	Average Performance
7/23/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4177.35	835.47	Low Sales	Average Performance
8/27/2004 0:00		Motorcycles	Motorcycles	S10_1678	4099.68	819.936	Low Sales	Average Performance
9/30/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2597.39	519.478	Low Sales	Average Performance
10/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4394.38	878.876	Low Sales	Average Performance
11/2/2004 0:00		Motorcycles	Motorcycles	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycles	Motorcycles	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2	Low Sales	Average Performance



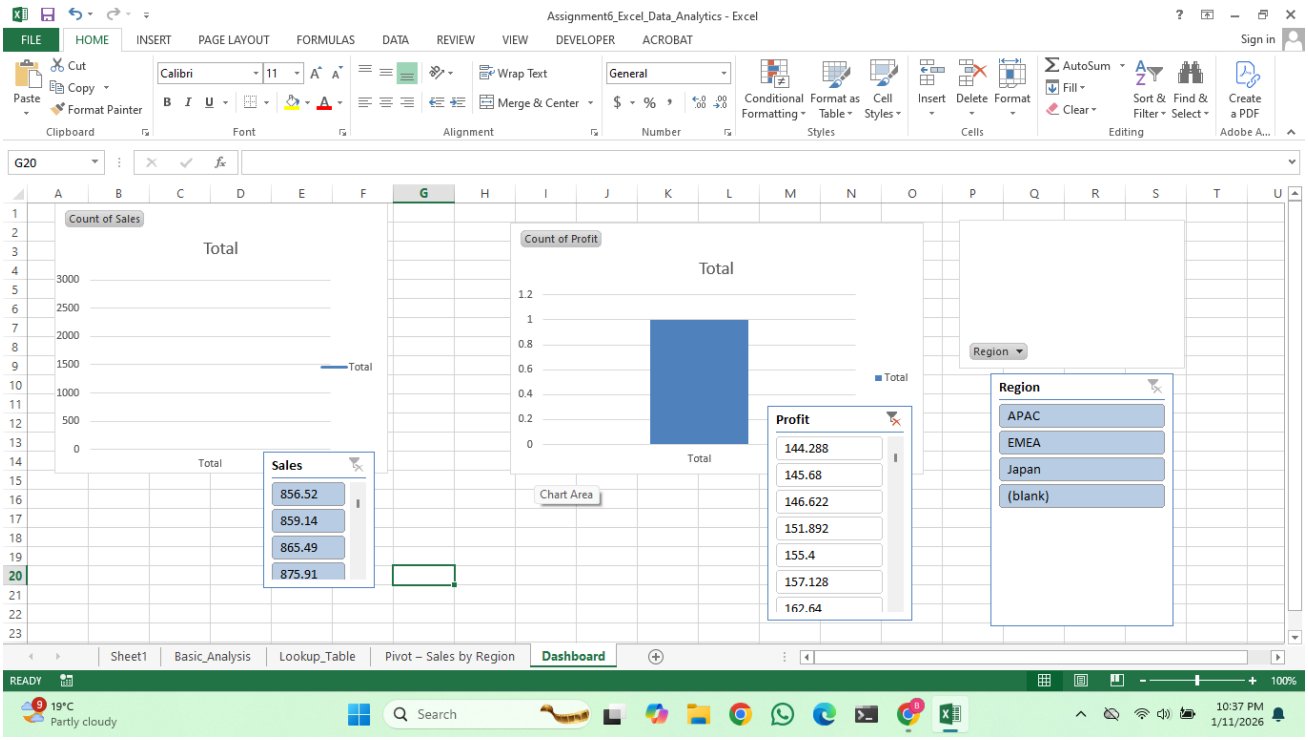
Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance
2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance
5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance
7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance
8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance
10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance
10/28/2003 0:00		Motorcycles	Motorcycles	S10_1678	3479.76	695.952	Low Sales	Average Performance
11/11/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2497.77	499.554	Low Sales	Average Performance
11/18/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	5512.32	1102.464	Low Sales	Average Performance
12/1/2003 0:00		Motorcycles	Motorcycles	S10_1678	2168.54	433.708	Low Sales	Average Performance
1/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4708.44	941.688	Low Sales	Average Performance
2/20/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132	Low Sales	Average Performance
4/5/2004 0:00		Motorcycles	Motorcycles	S10_1678	2333.12	466.624	Low Sales	Average Performance
5/18/2004 0:00		Motorcycles	Motorcycles	S10_1678	3188.64	637.728	Low Sales	Average Performance
6/28/2004 0:00		Motorcycles	Motorcycles	S10_1678	3676.76	735.352	Low Sales	Average Performance
7/23/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4177.35	835.47	Low Sales	Average Performance
8/27/2004 0:00		Motorcycles	Motorcycles	S10_1678	4099.68	819.936	Low Sales	Average Performance
9/30/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2597.39	519.478	Low Sales	Average Performance
10/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4394.38	878.876	Low Sales	Average Performance
11/2/2004 0:00		Motorcycles	Motorcycles	S10_1678	4358.04	871.608	Low Sales	Average Performance
11/15/2004 0:00		Motorcycles	Motorcycles	S10_1678	4396.14	879.228	Low Sales	Average Performance
11/24/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586	Low Sales	Average Performance
12/17/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2	Low Sales	Average Performance



	A	B	C	D	E	F	G	H	I	J	K	L
1	Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance			
2	2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance			
3	5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance			
4	7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance			
5	8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance			
6	10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance			
7	10/28/2003 0:00		Motorcycles	Motorcycles	S10_1678	3479.76	695.952	Low Sales	Average Performance			
8	11/11/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2497.77	499.554	Low Sales	Average Performance			
9	11/18/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	5512.32	1102.464	Low Sales	Average Performance			
10	12/1/2003 0:00		Motorcycles	Motorcycles	S10_1678	2168.54	433.708	Low Sales	Average Performance			
11	1/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4708.44	941.688	Low Sales	Average Performance			
12	2/20/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132	Low Sales	Average Performance			
13	4/5/2004 0:00		Motorcycles	Motorcycles	S10_1678	2333.12	466.624	Low Sales	Average Performance			
14	5/18/2004 0:00		Motorcycles	Motorcycles	S10_1678	3188.64	637.728	Low Sales	Average Performance			
15	6/28/2004 0:00		Motorcycles	Motorcycles	S10_1678	3676.76	735.352	Low Sales	Average Performance			
16	7/23/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4177.35	835.47	Low Sales	Average Performance			
17	8/27/2004 0:00		Motorcycles	Motorcycles	S10_1678	4099.68	819.936	Low Sales	Average Performance			
18	9/30/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2597.39	519.478	Low Sales	Average Performance			
19	10/15/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	4394.38	878.876	Low Sales	Average Performance			
20	11/2/2004 0:00		Motorcycles	Motorcycles	S10_1678	4358.04	871.608	Low Sales	Average Performance			
21	11/15/2004 0:00		Motorcycles	Motorcycles	S10_1678	4396.14	879.228	Low Sales	Average Performance			
22	11/24/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586	Low Sales	Average Performance			
23	12/17/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2	Low Sales	Average Performance			



	A	B	C	D	E	F	G	H	I	J	K	L
1	Order Date	Region	Category	Clean Product	Product ID	Sales	Profit	Sales Category(IF Function)	Performance			
2	2/24/2003 0:00		Motorcycles	Motorcycles	S10_1678	2871	574.2	Low Sales	Average Performance			
3	5/7/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18	Low Sales	Average Performance			
4	7/1/2003 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868	Low Sales	Average Performance			
5	8/25/2003 0:00		Motorcycles	Motorcycles	S10_1678	3746.7	749.34	Low Sales	Average Performance			
6	10/10/2003 0:00		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054	Low Sales	Average Performance			
7	10/28/2003 0:00		Motorcycles						Average Performance			
8	11/11/2003 0:00	EMEA	Motorcycles						Average Performance			
9	11/18/2003 0:00	EMEA	Motorcycles						Average Performance			
10	12/1/2003 0:00		Motorc						Average Performance			
11	1/15/2004 0:00	EMEA	Motorc						Average Performance			
12	2/20/2004 0:00	APAC	Motorc						Average Performance			
13	4/5/2004 0:00		Motorc				466.624	Low Sales	Average Performance			
14	5/18/2004 0:00		Motorc				637.728	Low Sales	Average Performance			
15	6/28/2004 0:00		Motorc				735.352	Low Sales	Average Performance			
16	7/23/2004 0:00	EMEA	Motorc				835.47	Low Sales	Average Performance			
17	8/27/2004 0:00		Motorc				819.936	Low Sales	Average Performance			
18	9/30/2004 0:00	EMEA	Motorc				519.478	Low Sales	Average Performance			
19	10/15/2004 0:00	EMEA	Motorc				878.876	Low Sales	Average Performance			
20	11/2/2004 0:00		Motorcycles	Motorcycles	S10_1678	4358.04	871.608	Low Sales	Average Performance			
21	11/15/2004 0:00		Motorcycles	Motorcycles	S10_1678	4396.14	879.228	Low Sales	Average Performance			
22	11/24/2004 0:00	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586	Low Sales	Average Performance			
23	12/17/2004 0:00	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2	Low Sales	Average Performance			


Assignment6_Excel_Data_Analytics - Excel
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Total
Count of Profit
Total
Region
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859.14
865.49
875.91
Profit
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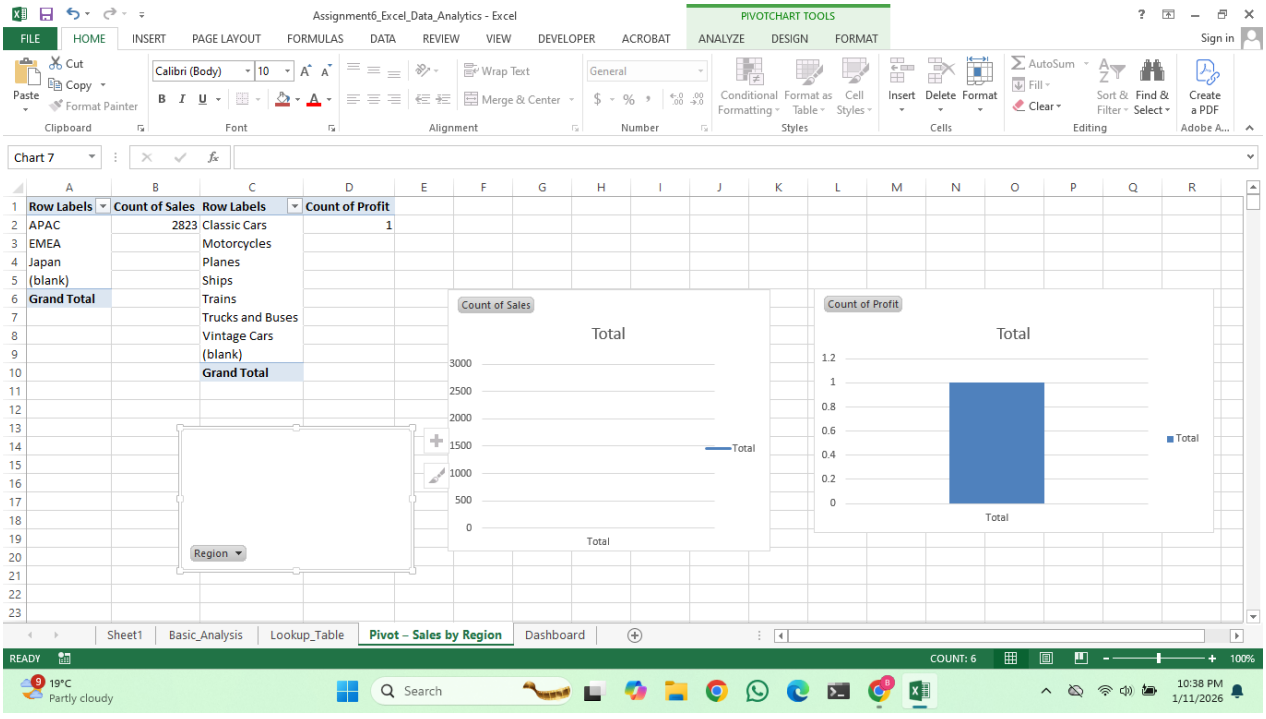
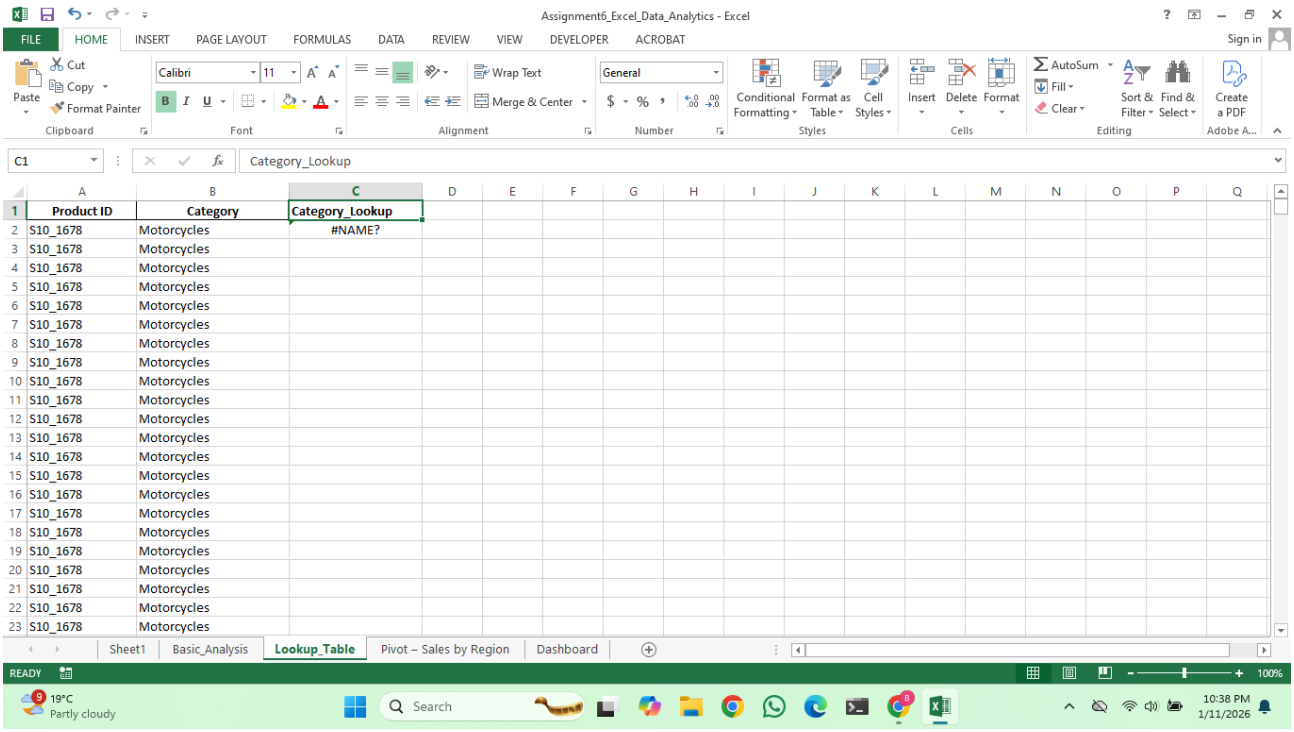
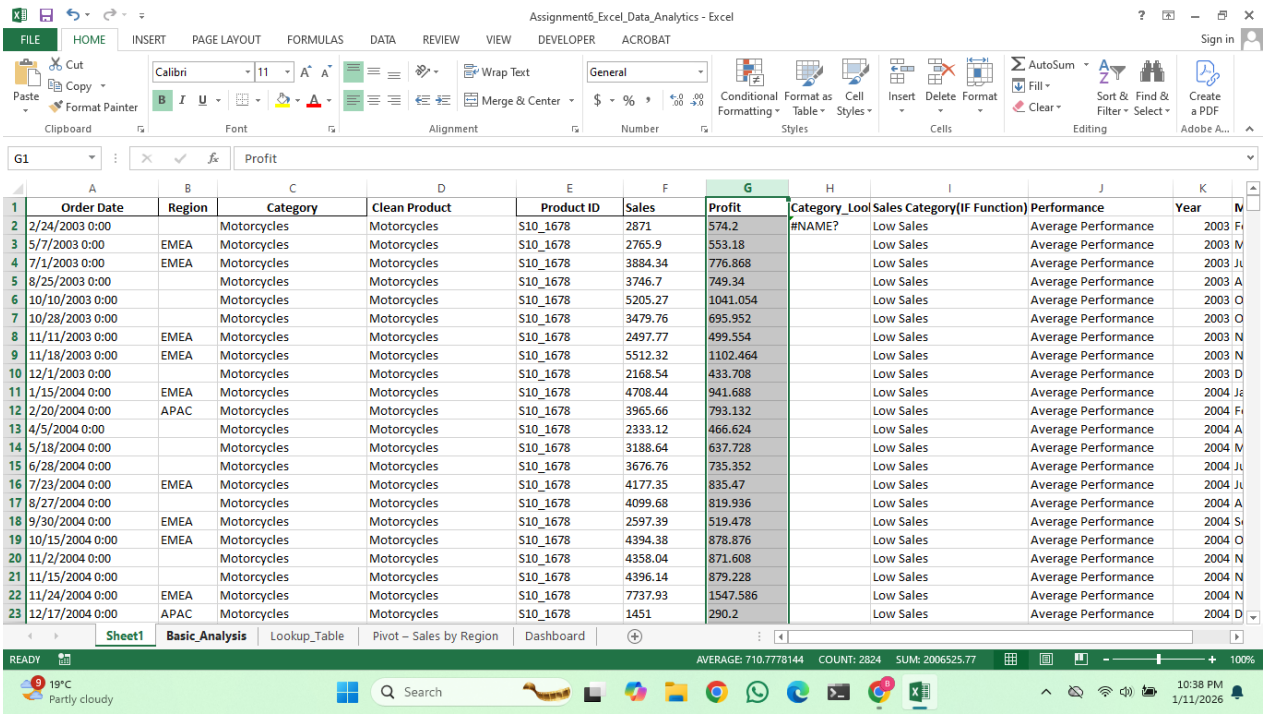
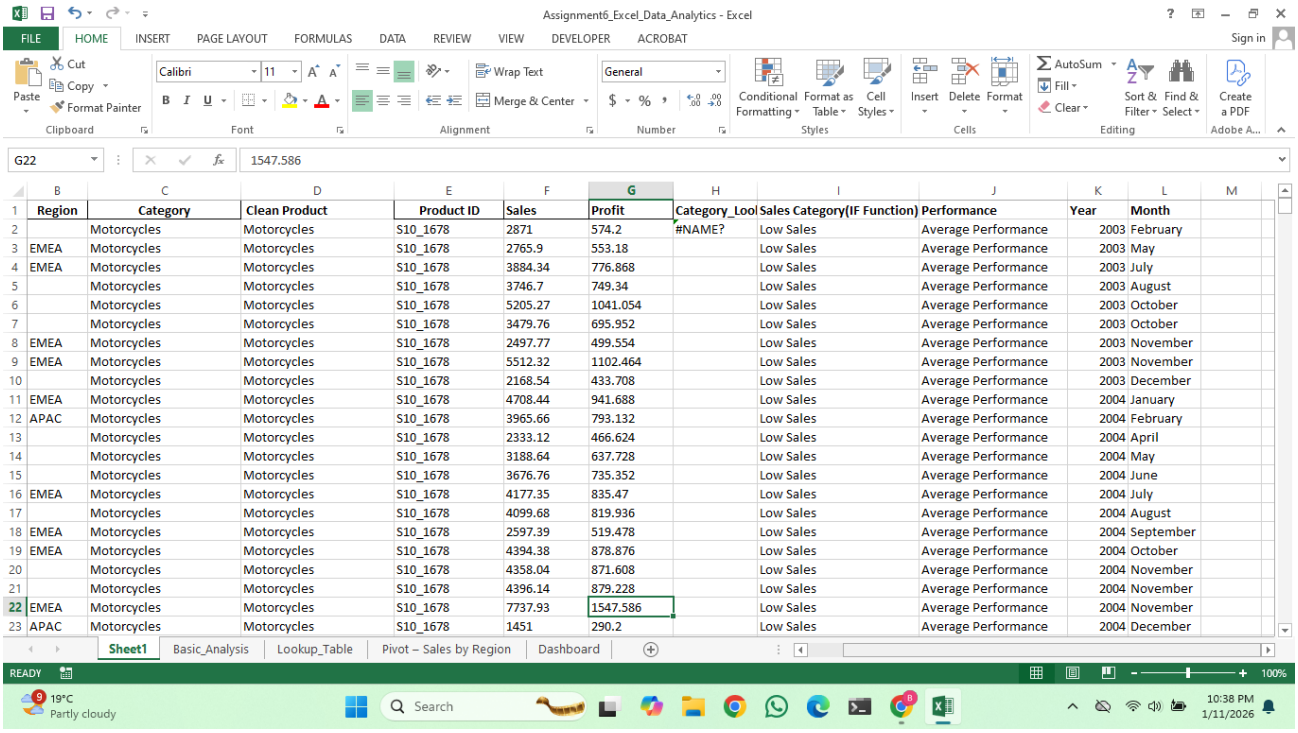
146.622
151.892
155.4
157.128
Region
APAC
EMEA
Japan
(blank)
Chart Area
Sheet1
Basic_Analysis
Lookup_Table
Pivot – Sales by Region
Dashboard
READY
19°C
Partly cloudy
Search
10:37 PM
1/11/2026

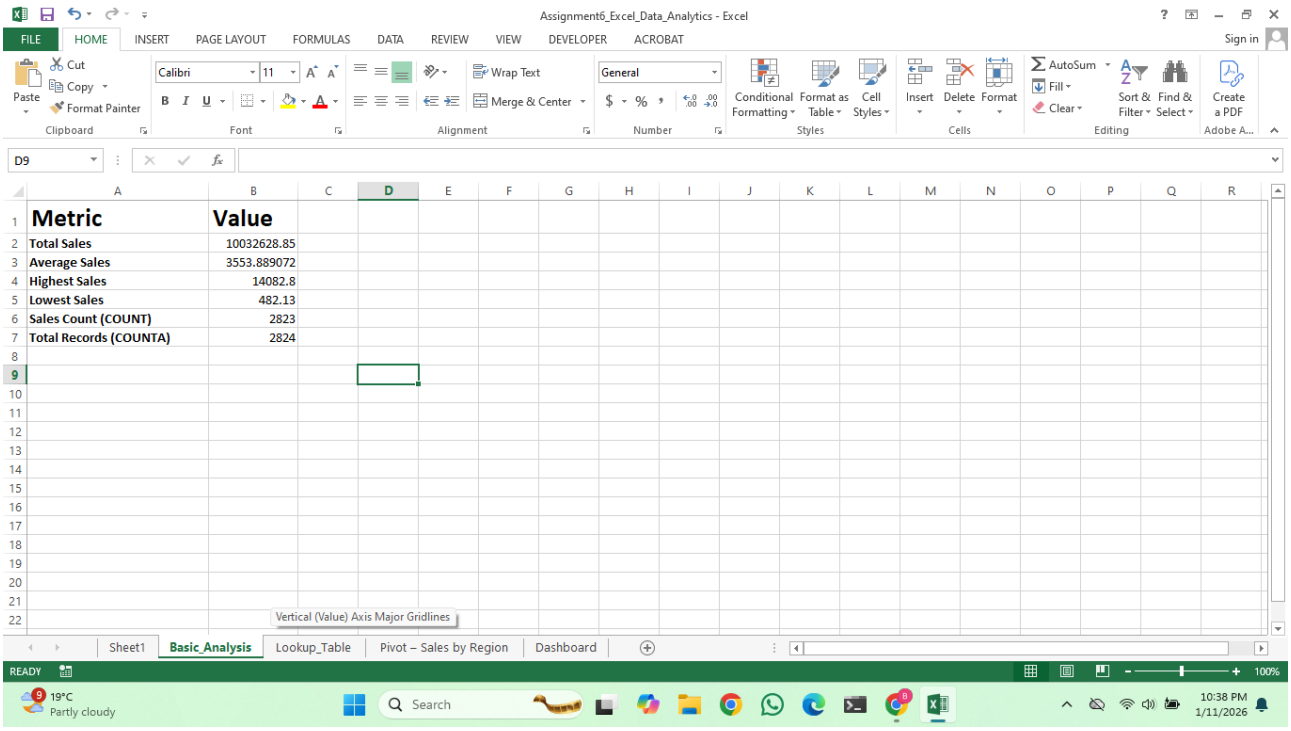

Assignment6_Excel_Data_Analytics - Excel
PIVOTCHART TOOLS
Row Labels
Count of Sales
Row Labels
Count of Profit
APAC
2823
Classic Cars
1
EMEA
Motorcycles
Japan
Planes
(blank)
Ships
Grand Total
Trains
Trucks and Buses
Vintage Cars
(blank)
Grand Total
Count of Sales
Total
Count of Profit
Total
Region
Sheet1
Basic_Analysis
Lookup_Table
Pivot – Sales by Region
Dashboard
READY
COUNT: 6
19°C
Partly cloudy
Search
10:38 PM
1/11/2026


Assignment6_Excel_Data_Analytics - Excel
C1
Category_Lookup
Product ID | Category | Category_Lookup
S10_1678 | Motorcycles | #NAME?
Sheet1 | Basic_Analysis | Lookup_Table | Pivot – Sales by Region | Dashboard
READY
19°C Partly cloudy
Search
10:38 PM 1/11/2026


Assignment6_Excel_Data_Analytics - Excel
G1
Profit
Order Date | Region | Category | Clean Product | Product ID | Sales | Profit | Category_Lool | Sales Category(IF Function) | Performance | Year
2/24/2003 0:00 | | Motorcycles | Motorcycles | S10_1678 | 2871 | 574.2 | #NAME? | Low Sales | Average Performance | 2003
5/7/2003 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 2765.9 | 553.18 | | Low Sales | Average Performance | 2003
7/1/2003 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 3884.34 | 776.868 | | Low Sales | Average Performance | 2003
8/25/2003 0:00 | | Motorcycles | Motorcycles | S10_1678 | 3746.7 | 749.34 | | Low Sales | Average Performance | 2003
10/10/2003 0:00 | | Motorcycles | Motorcycles | S10_1678 | 5205.27 | 1041.054 | | Low Sales | Average Performance | 2003
10/28/2003 0:00 | | Motorcycles | Motorcycles | S10_1678 | 3479.76 | 695.952 | | Low Sales | Average Performance | 2003
11/11/2003 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 2497.77 | 499.554 | | Low Sales | Average Performance | 2003
11/18/2003 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 5512.32 | 1102.464 | | Low Sales | Average Performance | 2003
12/1/2003 0:00 | | Motorcycles | Motorcycles | S10_1678 | 2168.54 | 433.708 | | Low Sales | Average Performance | 2003
1/15/2004 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 4708.44 | 941.688 | | Low Sales | Average Performance | 2004
2/20/2004 0:00 | APAC | Motorcycles | Motorcycles | S10_1678 | 3965.66 | 793.132 | | Low Sales | Average Performance | 2004
4/5/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 2333.12 | 466.624 | | Low Sales | Average Performance | 2004
5/18/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 3188.64 | 637.728 | | Low Sales | Average Performance | 2004
6/28/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 3676.76 | 735.352 | | Low Sales | Average Performance | 2004
7/23/2004 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 4177.35 | 835.47 | | Low Sales | Average Performance | 2004
8/27/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 4099.68 | 819.936 | | Low Sales | Average Performance | 2004
9/30/2004 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 2597.39 | 519.478 | | Low Sales | Average Performance | 2004
10/15/2004 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 4394.38 | 878.876 | | Low Sales | Average Performance | 2004
11/2/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 4358.04 | 871.608 | | Low Sales | Average Performance | 2004
11/15/2004 0:00 | | Motorcycles | Motorcycles | S10_1678 | 4396.14 | 879.228 | | Low Sales | Average Performance | 2004
11/24/2004 0:00 | EMEA | Motorcycles | Motorcycles | S10_1678 | 7737.93 | 1547.586 | | Low Sales | Average Performance | 2004
12/17/2004 0:00 | APAC | Motorcycles | Motorcycles | S10_1678 | 1451 | 290.2 | | Low Sales | Average Performance | 2004
Sheet1 | Basic_Analysis | Lookup_Table | Pivot – Sales by Region | Dashboard
READY
AVERAGE: 710.7778144 COUNT: 2824 SUM: 2006525.77
19°C Partly cloudy
Search
10:38 PM 1/11/2026



	B	C	D	E	F	G	H	I	J	K	L	M
1	Region	Category	Clean Product	Product ID	Sales	Profit	Category_Lool	Sales Category(IF Function)	Performance	Year	Month	
2		Motorcycles	Motorcycles	S10_1678	2871	574.2	#NAME?	Low Sales	Average Performance	2003	February	
3	EMEA	Motorcycles	Motorcycles	S10_1678	2765.9	553.18		Low Sales	Average Performance	2003	May	
4	EMEA	Motorcycles	Motorcycles	S10_1678	3884.34	776.868		Low Sales	Average Performance	2003	July	
5		Motorcycles	Motorcycles	S10_1678	3746.7	749.34		Low Sales	Average Performance	2003	August	
6		Motorcycles	Motorcycles	S10_1678	5205.27	1041.054		Low Sales	Average Performance	2003	October	
7		Motorcycles	Motorcycles	S10_1678	3479.76	695.952		Low Sales	Average Performance	2003	October	
8	EMEA	Motorcycles	Motorcycles	S10_1678	2497.77	499.554		Low Sales	Average Performance	2003	November	
9	EMEA	Motorcycles	Motorcycles	S10_1678	5512.32	1102.464		Low Sales	Average Performance	2003	November	
10		Motorcycles	Motorcycles	S10_1678	2168.54	433.708		Low Sales	Average Performance	2003	December	
11	EMEA	Motorcycles	Motorcycles	S10_1678	4708.44	941.688		Low Sales	Average Performance	2004	January	
12	APAC	Motorcycles	Motorcycles	S10_1678	3965.66	793.132		Low Sales	Average Performance	2004	February	
13		Motorcycles	Motorcycles	S10_1678	2333.12	466.624		Low Sales	Average Performance	2004	April	
14		Motorcycles	Motorcycles	S10_1678	3188.64	637.728		Low Sales	Average Performance	2004	May	
15		Motorcycles	Motorcycles	S10_1678	3676.76	735.352		Low Sales	Average Performance	2004	June	
16	EMEA	Motorcycles	Motorcycles	S10_1678	4177.35	835.47		Low Sales	Average Performance	2004	July	
17		Motorcycles	Motorcycles	S10_1678	4099.68	819.936		Low Sales	Average Performance	2004	August	
18	EMEA	Motorcycles	Motorcycles	S10_1678	2597.39	519.478		Low Sales	Average Performance	2004	September	
19	EMEA	Motorcycles	Motorcycles	S10_1678	4394.38	878.876		Low Sales	Average Performance	2004	October	
20		Motorcycles	Motorcycles	S10_1678	4358.04	871.608		Low Sales	Average Performance	2004	November	
21		Motorcycles	Motorcycles	S10_1678	4396.14	879.228		Low Sales	Average Performance	2004	November	
22	EMEA	Motorcycles	Motorcycles	S10_1678	7737.93	1547.586		Low Sales	Average Performance	2004	November	
23	APAC	Motorcycles	Motorcycles	S10_1678	1451	290.2		Low Sales	Average Performance	2004	December	



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**Metric**	**Value**																
2	**Total Sales**	10032628.85																
3	**Average Sales**	3553.889072																
4	**Highest Sales**	14082.8																
5	**Lowest Sales**	482.13																
6	**Sales Count (COUNT)**	2823																
7	**Total Records (COUNTA)**	2824																
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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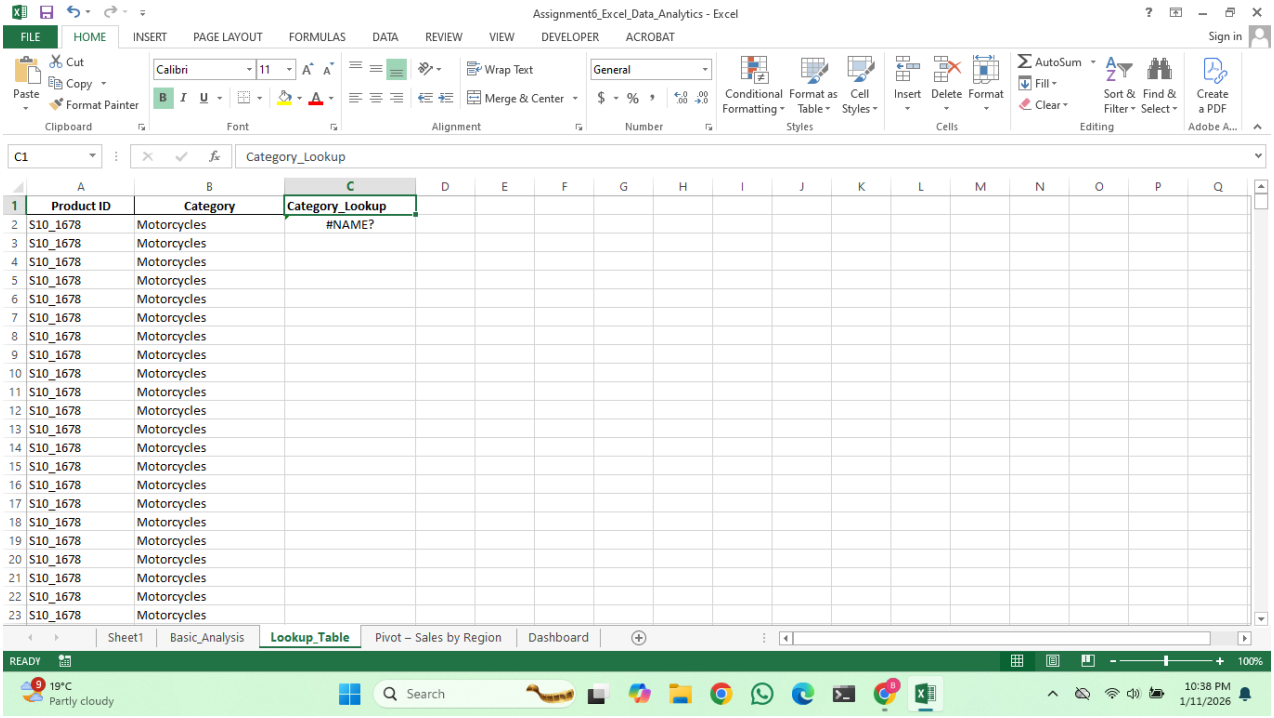
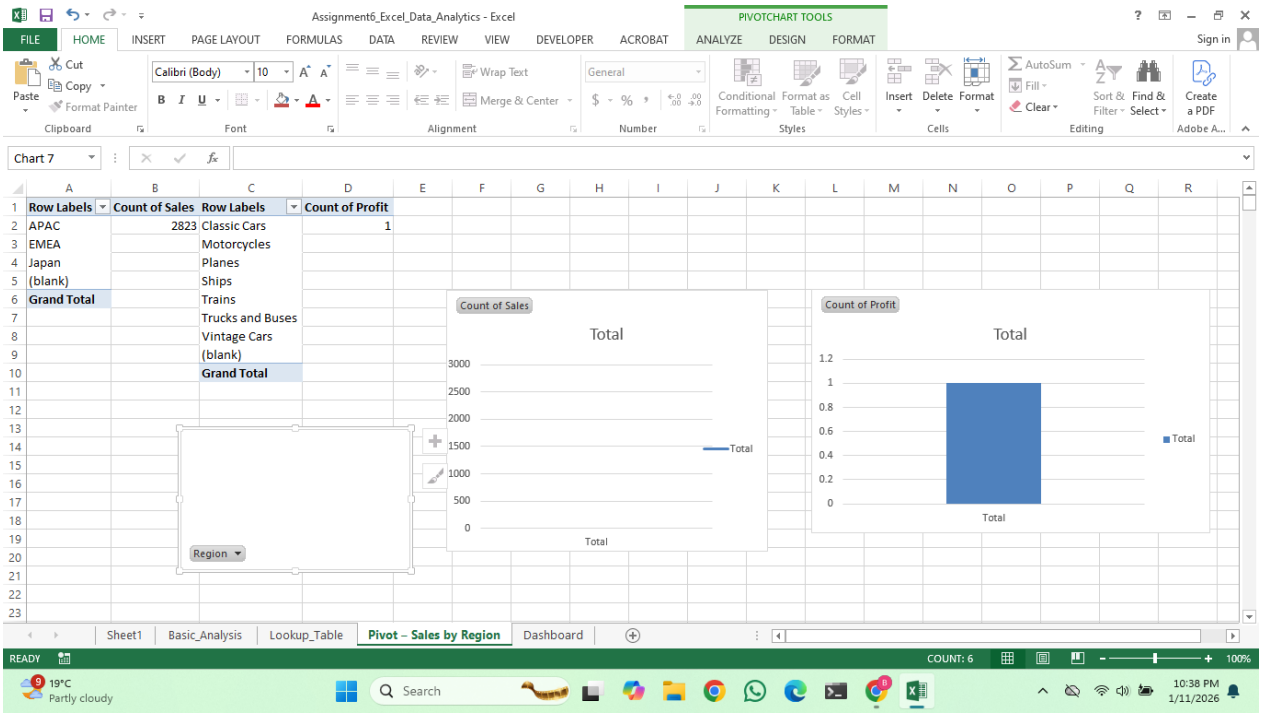
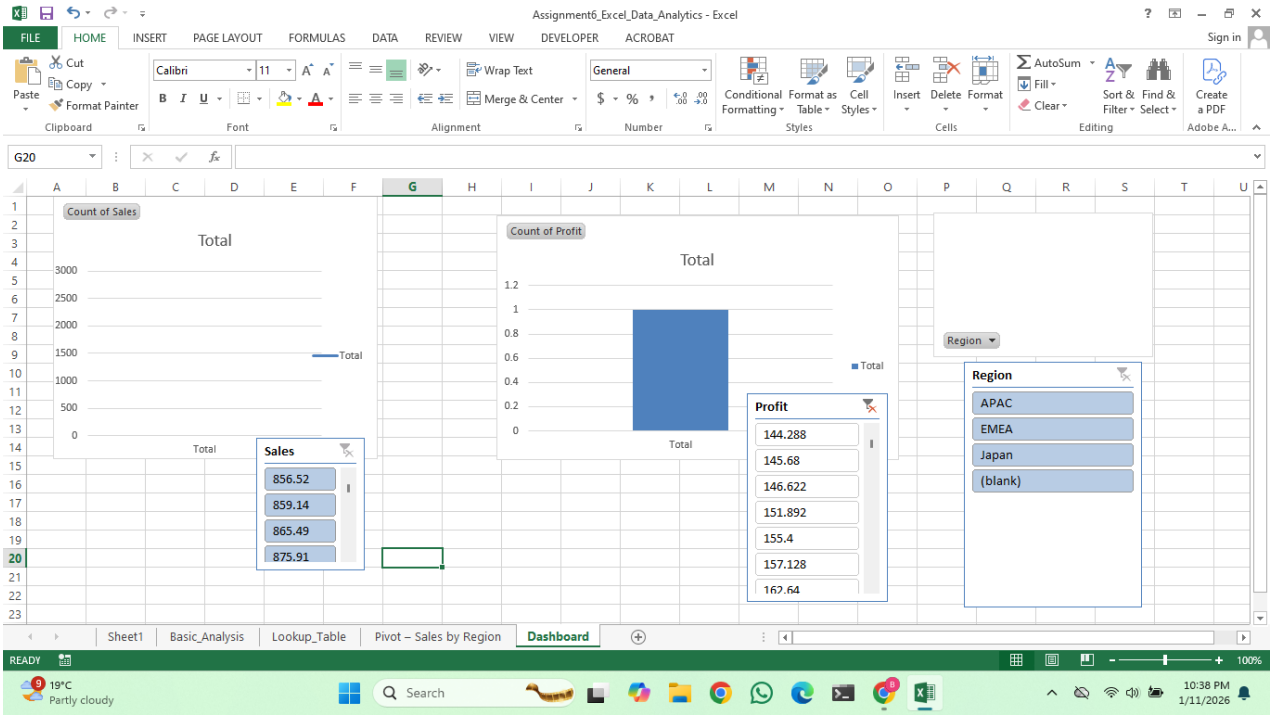

Assignment6_Excel_Data_Analytics - Excel
C1
Category_Lookup
Product ID | Category | Category_Lookup
S10_1678 | Motorcycles | #NAME?
Sheet1 | Basic_Analysis | Lookup_Table | Pivot – Sales by Region | Dashboard
READY


Assignment6_Excel_Data_Analytics - Excel
PIVOTCHART TOOLS
Chart 7
Row Labels | Count of Sales | Row Labels | Count of Profit
APAC | 2823 | Classic Cars | 1
EMEA
Japan
(blank)
Grand Total
Motorcycles
Planes
Ships
Trains
Trucks and Buses
Vintage Cars
(blank)
Grand Total
Count of Sales
Total
Region
Count of Profit
Total
Sheet1 | Basic_Analysis | Lookup_Table | Pivot – Sales by Region | Dashboard
READY



TASK 7: Conceptual Questions

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18. Why is Excel still widely used in Data Analytics?

Excel is widely used in data analytics because it is easy to learn, flexible, and powerful. It allows users to clean data, apply formulas, create pivot tables, and build dashboards without coding. Excel is commonly used in companies for reporting, quick analysis, and decision-making, making it an essential tool for data analysts.

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19. What is the difference between COUNT() and COUNTA()?

- **COUNT()** counts only cells that contain numeric values.
- **COUNTA()** counts all non-empty cells, including text, numbers, and symbols.

Example:
If a column has numbers and text, COUNT() will count only numbers, while COUNTA() will count both numbers and text.

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20. What is a Pivot Table and why is it important?

A Pivot Table is a powerful Excel tool used to summarize and analyze large datasets quickly. It helps in grouping data, calculating totals, averages, and comparing values across categories. Pivot tables are important because they allow fast analysis without changing the original data.

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21. What are slicers and how do they help in dashboards?

Slicers are visual filtering tools used in Excel dashboards. They allow users to filter data by clicking buttons such as Region, Category, or Year. Slicers make dashboards interactive and user-friendly by enabling quick and dynamic data analysis.

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22. Why is data cleaning important before analysis?

Data cleaning is important because raw data often contains errors, duplicates, missing values, and inconsistent formatting. Cleaning data improves accuracy, reliability, and quality of analysis. Proper data cleaning ensures correct insights and better decision-making.