

DAY 1

Saturday, March 16, 2024 9:42 AM

• SUM

Q1 SUM OF ALL COLUMNS

=SUM(STARTROW:ENDROW)

The screenshot shows an Excel spreadsheet titled "Excel Exercise CDAC.xlsx". The data is organized into several columns: Actual Sales, Actual Profit, Actual COGS, Total Expenses, Marketing, Inventory, ProductId, Area Code, and Sum. The "Sum" column contains formulas: =SUM(A2:A26) for sales, =SUM(B2:B26) for profit, and =SUM(C2:C26) for COGS. The formula bar at the top also displays =SUM(A2:A26). The status bar at the bottom indicates the current cell is A2.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code		Sum		
2	219	94	89	36	24	777	1	719		4743	# =SUM(A2:A26)	OF SALES
3	190	68	83	39	27	623	2	970		1546	# =SUM(B2:B26)	OF PROFIT
4	234	101	95	38	26	821	3	970		2132	# =SUM(C2:C26)	OF COGS
5	100	30	44	26	14	623	13	303		1148		
6	134	54	54	26	15	456	5	303		653		
7	180	53	72	55	23	558	6	720		18460		
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				
27												
28												
29												
30												

A2 is first cell of column Sales

A26 is last

Q2A FIND THE SALES FOR PRODUCT ID 10

=SUMIF(RANGE,CRITERIA,SUMRANGE)

Excel Exercise CDAC.xlsx - Excel

Rohan Chavan CR

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Font Alignment Number Styles Cells Editing

AutoSum Fill Sort & Filter Find & Select Add-ins

DATE : $=SUMIF(G2:G26,"10",A2:A26)$

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719				
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970				
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				
27												
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factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

Accessibility: Investigate

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A2B FIND TOTAL MARKETING FOR PRODUCT ID 5

ANS: 96

Excel Exercise CDAC.xlsx - Excel

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AutoSum Fill Sort & Filter Find & Select Add-ins

DATE : $=SUMIF(G2:G26,"5",E2:E26)$

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719				
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970				
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				
27												
28												
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30												

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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A2C PICKUP PID FROM ANOTHER CELL

Excel Exercise CDAC.xlsx - Excel

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Font Alignment Number Styles Cells Editing

AutoSum Fill Sort & Filter Find & Select Clear Add-ins

DATE : $=\text{SUMIF}(G2:G26,J8,B2:B26)$

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719				
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970				
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				

CHANGES IN THE PID WILL AUTO REFLECT CHANGES IN SUM
SELECT THE CELL OF PRODUCT ID INSTEAD OF "15"

Q3 FIND TOTAL INVENTORY FOR AREA CODE 303
ANS: 2044

Excel Exercise CDAC.xlsx - Excel

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Font Alignment Number Styles Cells Editing

AutoSum Fill Sort & Filter Find & Select Clear Add-ins

DATE : $=\text{SUMIF}(H2:H26,J3,F2:F26)$

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719				
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970				
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				

Q4 FIND TOTAL COGS FOR AREA CODE 719

ANS: 210

Screenshot of Microsoft Excel showing a data table and formula bar.

Formula in the formula bar: `=SUMIF(H2:H26,J3,C2:C26)`

Table structure:

DATE	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719				
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970				
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				

Q5 FIND TOTAL PROFIT FOR PRODUCT ID 3 AND AREA CODE 970

`=SUMIFS(SUM_RANGE, CRITERIA_RANGE1,
CRITERIA1,CRITERIA_RANGE2,
CRITERIA2)`

ANS 101

Screenshot of Microsoft Excel showing a data table and formula bar.

Formula in the formula bar: `=SUMIFS(B2:B26,G2:G26,K2,H2:H26,K4)`

Table structure:

DATE	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719	PRODUCT ID	3		
3	190	68	83	39	27	623	2	970	AREA CODE	970		
4	234	101	95	38	26	821	3	970	PROFIT	<code>=SUMIFS(B2:B26,G2:G26,K2,H2:H26,K4)</code>		
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				

- ♦ AVERAGE
- AGE/
- MEA
- N

Q1 AVERAGE OF SALES

The screenshot shows an Excel spreadsheet titled "Excel Exercise CDAC.xlsx". The data is organized into columns labeled from A to L. The first row contains column headers: Actual Sales, Actual Profit, Actual COGS, Total Expenses, Marketing, Inventory, ProductId, and Area Code. Below these, rows 2 through 26 contain numerical data. Row 26 is highlighted in blue. In cell L2, the formula `=AVERAGE(A2:A26)` is entered, and the result 189.72 is displayed. The status bar at the bottom shows the full formula `AVERAGE(number1, [number2], ...)`. The ribbon menu is visible at the top, and the taskbar at the bottom includes icons for File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help, and Share.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code				
2	219	94	89	36	24	777	1	719	AVERAGE OF SALE	=AVERAGE(A2:A26)		
3	190	68	83	39	27	623	2	970				
4	234	101	95	38	26	821	3	970	ANS			
5	100	30	44	26	14	623	13	303				
6	134	54	54	26	15	456	5	303				
7	180	53	72	55	23	558	6	720				
8	341	99	223	72	47	1091	8	970				
9	150	0	63	87	57	435	9	719				
10	140	33	60	47	19	336	10	970				
11	130	17	58	55	22	338	11	719				
12	140	36	64	40	19	965	12	303				
13	345	111	223	90	47	862	2	217				
14	234	87	95	52	30	608	3	309				
15	546	203	254	109	77	1310	5	309				
16	456	140	159	88	63	1459	6	630				
17	219	95	89	35	24	777	8	312				
18	190	68	83	39	27	623	9	630				
19	234	101	95	38	26	821	10	773				
20	134	53	54	27	15	456	11	217				
21	180	54	72	54	23	558	12	708				
22	45	11	18	16	5	821	1	319				
23	62	5	28	29	8	965	2	641				
24	54	12	23	19	7	623	3	712				
25	43	11	17	15	4	777	5	563				
26	43	10	17	16	4	777	6	563				

- WHEN VALUES IN COLUMN, THE AVERAGE / MEAN IS SENSITIVE TO CHANGE IN THE DATA
- WHILE MEDIAN IS NOT THAT SENSITIVE TO CHANGE IN DATA

Q2 FIND THE AVERAGE PROFIT FOR PRODUCT ID 5

=AVGERAGEIF()

Excel Exercise CDAC.xlsx - Excel

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DATE : fx =AVERAGEIF(G2:G26,K2,B2:B26)

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719	PRODUCT ID	5				
3	68	83	39	27	623	2	970	Avg Profit	=AVERAGEIF(G2:G26,K2,B2:B26)				
4	101	95	38	26	821	3	970	Avg Profit of Product ID	89.33				
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720						
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
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factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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Q2 ROUND OFF THE AVERAGE UPTO DECIMAL ONLY
=ROUND(0, 1)

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DATE : fx =ROUND(AVERAGEIF(G2:G26,K2,B2:B26),1)

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719	PRODUCT ID	5				
3	68	83	39	27	623	2	970	Avg Profit of Product ID	89.33				
4	101	95	38	26	821	3	970	Round off to one digits					
5	30	44	26	14	623	13	303	Avg Profit	=ROUND(AVERAGEIF(G2:G26,K2,B2:B26),1)				
6	54	54	26	15	456	5	303	Average if range	AVERAGEIF(range, criteria, [average_range])				
7	53	72	55	23	558	6	720	89.3					
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
30													

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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Q3 FIND AVERAGE INVENTORY FOR AREA CODE 970

Excel Exercise CDAC.xlsx - Excel

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DATE : fx =AVERAGEIF(H2:H26,K2,F2:F26)

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719	AREA CODE	970				
3	68	83	39	27	623	2	970						
4	101	95	38	26	821	3	970	Avg Inv					
5	30	44	26	14	623	13	303	=AVERAGEIF(H2:H26,K2,F2:F26)					
6	54	54	26	15	456	5	303	AVERAGEIF(range, criteria, [average_range])					
7	53	72	55	23	558	6	720		717.8				
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
30													

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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Q4 FIND THE AVG MARKETING FOR PRODUCT ID 10

Excel Exercise CDAC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles Cells Editing Add-ins

DATE : fx =AVERAGEIF(G2:G26,K2,E2:E26)

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code	PID	10				
2	94	89	36	24	777	1	719	Avg MA					
3	68	83	39	27	623	2	970	=AVERAGEIF(G2:G26,K2,E2:E26)					
4	101	95	38	26	821	3	970	AVERAGEIF(range, criteria, [average_range])	22.5				
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720	ROUND OFF TO TWO DIGITS	22.5				
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
30													

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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Q5 FIND AVG COGS FOR AREA 563

Excel Exercise CDAC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles Cells Editing Add-ins

DATE : H2:H26, K2:C2:C26

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719						
3	68	83	39	27	623	2	970						
4	101	95	38	26	821	3	970						
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720						
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						

AREA CODE = 563

Avg CO = AVERAGEIF(H2:H26, K2, C2:C26)

=AVERAGEIF(range, criteria, [average_range])

17

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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NT

Q1 COUNT OF PROFIT

Excel Exercise CDAC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles Cells Editing Add-ins

DATE : B2:B26

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719						
3	68	83	39	27	623	2	970						
4	101	95	38	26	821	3	970						
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720						
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970						
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						

COUNT OF PROFIT = COUNT(B2:B26)

=COUNT(value1, value2, ...)

25

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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- COUNT DOES NOT ACCEPT NULL, BLANK CELL

Q2 FIND NO OF RECORDS WHERE PID IS 10

Excel Exercise CDACxlsx - Excel

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Q3 FIND NO OF RECORDS WHERE AREA CODE IS 970

DATE B C D E F G H I J K L M N

	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code					
1	94	89	36	24	777	1	719					
2	68	83	39	27	623	2	970					
3	101	95	38	26	821	3	970					
4	30	44	26	14	623	13	303					
5	54	54	26	15	456	5	303	PID	10			
6	53	72	55	23	558	6	720					
7	99	223	72	47	1091	8	970	COUNT OF	=COUNTIF(G2:G26,K6)			
8	0	63	87	57	435	9	719					
9	33	60	47	19	336	10	970					
10	17	58	55	22	338	11	719					
11	36	64	40	19	965	12	303					
12	111	223	90	47	862	2	217					
13	87	95	52	30	608	3	309					
14	203	254	109	77	1310	5	309					
15	140	159	88	63	1459	6	630					
16	95	89	35	24	777	8	312					
17	68	83	39	27	623	9	630					
18	101	95	38	26	821	10	773					
19	53	54	27	15	456	11	217					
20	54	72	54	23	558	12	708					
21	11	18	16	5	821	1	319					
22	5	28	29	8	965	2	641					
23	12	23	19	7	623	3	712					
24	11	17	15	4	777	5	563					
25	10	17	16	4	777	6	563					
26												
27												
28												
29												
30												

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

20°C ENG 11:55 AM 3/16/2024

Excel Exercise CDACxlsx - Excel

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Q4 FIND NO OF RECORDS WHERE PROFIT IS >=100

DATE B C D E F G H I J K L M N

	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code					
1	94	89	36	24	777	1	719					
2	68	83	39	27	623	2	970					
3	101	95	38	26	821	3	970					
4	30	44	26	14	623	13	303					
5	54	54	26	15	456	5	303					
6	53	72	55	23	558	6	720					
7	99	223	72	47	1091	8	970	AREA CODE	970			
8	0	63	87	57	435	9	719	NO OF RECORDS	=COUNTIF(H2:H26,K6)			
9	33	60	47	19	336	10	970					
10	17	58	55	22	338	11	719					
11	36	64	40	19	965	12	303					
12	111	223	90	47	862	2	217					
13	87	95	52	30	608	3	309					
14	203	254	109	77	1310	5	309					
15	140	159	88	63	1459	6	630					
16	95	89	35	24	777	8	312					
17	68	83	39	27	623	9	630					
18	101	95	38	26	821	10	773					
19	53	54	27	15	456	11	217					
20	54	72	54	23	558	12	708					
21	11	18	16	5	821	1	319					
22	5	28	29	8	965	2	641					
23	12	23	19	7	623	3	712					
24	11	17	15	4	777	5	563					
25	10	17	16	4	777	6	563					
26												
27												
28												
29												
30												

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

20°C ENG 11:58 AM 3/16/2024

Excel Exercise CDAC.xlsx - Excel

Rohan Chavan CR

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Cut Copy Format Painter Clipboard Font Alignment Number Styles Cells Editing Add-ins

DATE : fx =COUNTIF(B2:B26, ">=100")

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719						
3	68	83	39	27	623	2	970						
4	101	95	38	26	821	3	970						
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720						
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970	COUNT PROFIT ABOVE 100					
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
30													

factTable Sheet1 Location Product Quantity Data 1 Quantity Data 2 +

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PDO
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Q1 CREATE DROPDOWN

CREATE A NEW SHEET AND NEW COLUMN AND DATA ENTRIES TO POP IN
 DROPDOWN ->SELECT A CELL IN SHEET -> SELECT DATA FROM MAIN
 BAR-> SELECT DATA VALIDATION->SELECT ALLOW 'LIST'-> SOURCE->
 SELECT THE DATA ENETRED IN NEW SHEET -> PRESS ENTER

Excel Exercise CDAC.xlsx - Excel

Rohan Chavan CR

File Home Insert Page Layout Formulas Data Review View Help

From Text/CSV From Web Existing Connections Refresh All Properties Workbook Links Sort Filter Advanced Text to Columns Flash Fill Consolidate Remove Duplicates Relationships What-If Analysis Forecast Group Ungroup Subtotal Get & Transform Data Data Tools Forecast Outline

J11 : fx 125

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code						
2	94	89	36	24	777	1	719						
3	68	83	39	27	623	2	970						
4	101	95	38	26	821	3	970						
5	30	44	26	14	623	13	303						
6	54	54	26	15	456	5	303						
7	53	72	55	23	558	6	720						
8	99	223	72	47	1091	8	970						
9	0	63	87	57	435	9	719						
10	33	60	47	19	336	10	970	COUNT PROFIT ABOVE	125				
11	17	58	55	22	338	11	719						
12	36	64	40	19	965	12	303						
13	111	223	90	47	862	2	217						
14	87	95	52	30	608	3	309						
15	203	254	109	77	1310	5	309						
16	140	159	88	63	1459	6	630						
17	95	89	35	24	777	8	312						
18	68	83	39	27	623	9	630						
19	101	95	38	26	821	10	773						
20	53	54	27	15	456	11	217						
21	54	72	54	23	558	12	708						
22	11	18	16	5	821	1	319						
23	5	28	29	8	965	2	641						
24	12	23	19	7	623	3	712						
25	11	17	15	4	777	5	563						
26	10	17	16	4	777	6	563						
27													
28													
29													
30													

factTable Sheet1 Sheet2 Location Product Quantity Data 1 Quantity Data 2 +

Ready Accessibility: Investigate Type here to search 20°C ENG 12:16 PM 3/16/2024 105%

Q2 PROFIT ABOVE 125

Excel Exercise CDAC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help

From Text/CSV From Web Existing Connections Refresh All Properties Workbook Links

Sort Filter Advanced Text to Columns Flash Fill Remove Duplicates Relationships What-If Analysis Forecast Group Ungroup Subtotal Outline

=COUNTIF(B2:B26,">"&J11)

DATE	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code
1	94	89	36	24	777	1	719
2	68	83	39	27	623	2	970
3	101	95	38	26	821	3	970
4	30	44	26	14	623	13	303
5	54	54	26	15	456	5	303
6	53	72	55	23	558	6	720
7	99	223	72	47	1091	8	970
8	0	63	87	57	435	9	719
9	33	60	47	19	336	10	970
10	17	58	55	22	338	11	719
11	36	64	40	19	965	12	303
12	111	223	90	47	862	2	217
13	87	95	52	30	608	3	309
14	203	254	109	77	1310	5	309
15	140	159	88	63	1459	6	630
16	95	89	35	24	777	8	312
17	68	83	39	27	623	9	630
18	101	95	38	26	821	10	773
19	53	54	27	15	456	11	217
20	54	72	54	23	558	12	708
21	11	18	16	5	821	1	319
22	5	28	29	8	965	2	641
23	12	23	19	7	623	3	712
24	11	17	15	4	777	5	563
25	10	17	16	4	777	6	563
26							

COUNT PROFIT ABOVE 125

=COUNTIF(B2:B26,">"&J11)

Q3 FIND INVENTORY RECORDS WITH VALUE ABOVE 600 AND BELOW 900

Excel Exercise CDAC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Help

From Text/CSV From Web Existing Connections Refresh All Properties Workbook Links

Sort Filter Advanced Text to Columns Flash Fill Remove Duplicates Relationships What-If Analysis Forecast Group Ungroup Subtotal Outline

=COUNTIFS(F2:F26,">"&K7, F2:F26,"<"&K10)

DATE	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code
1	94	89	36	24	777	1	719
2	68	83	39	27	623	2	970
3	101	95	38	26	821	3	970
4	30	44	26	14	623	13	303
5	54	54	26	15	456	5	303
6	53	72	55	23	558	6	720
7	99	223	72	47	1091	8	970
8	0	63	87	57	435	9	719
9	33	60	47	19	336	10	970
10	17	58	55	22	338	11	719
11	36	64	40	19	965	12	303
12	111	223	90	47	862	2	217
13	87	95	52	30	608	3	309
14	203	254	109	77	1310	5	309
15	140	159	88	63	1459	6	630
16	95	89	35	24	777	8	312
17	68	83	39	27	623	9	630
18	101	95	38	26	821	10	773
19	53	54	27	15	456	11	217
20	54	72	54	23	558	12	708
21	11	18	16	5	821	1	319
22	5	28	29	8	965	2	641
23	12	23	19	7	623	3	712
24	11	17	15	4	777	5	563
25	10	17	16	4	777	6	563
26							

INVENTORY RECORD ABOVE 600

INVENTORY RECORD BELOW 900

COUNT

=COUNTIFS(F2:F26,">"&K7, F2:F26,"<"&K10)

- =COUNTBLANK()

Q1 BLANK VALUES OF SALES

The screenshot shows a Microsoft Excel spreadsheet titled "Excel Exercise CDAC.xlsx - Excel". The data is organized into columns labeled: DATE, Actual Sales, Actual Profit, Actual COGS, Total Expenses, Marketing, Inventory, ProductId, and Area Code. The formula bar at the top contains the formula =COUNTBLANK(A2:A26). A callout box on the right side of the screen highlights the formula with the text "COUNT BLANK OF SALES" and the formula =COUNTBLANK(A2:A26).

DATE	Actual Sales	Actual Profit	Actual COGS	Total Expenses	Marketing	Inventory	ProductId	Area Code
1	219	94	89	36	24	777	1	719
2	190	68	83	39	27	623	2	970
3	234	101	95	38	26	821	3	970
4	100	30	44	26	14	623	13	303
5	134	54	54	26	15	456	5	303
6	180	53	72	55	23	558	6	720
7	341	99	223	72	47	1091	8	970
8	150	0	63	87	57	435	9	719
9	140	33	60	47	19	336	10	970
10	130	17	58	55	22	338	11	719
11	140	36	64	40	19	965	12	303
12	345	111	223	90	47	862	2	217
13	234	87	95	52	30	608	3	309
14	546	203	254	109	77	1310	5	309
15	456	140	159	88	63	1459	6	630
16	219	95	89	35	24	777	8	312
17	190	68	83	39	27	623	9	630
18	234	101	95	38	26	821	10	773
19	134	53	54	27	15	456	11	217
20	180	54	72	54	23	558	12	708
21	45	11	18	16	5	821	1	319
22	62	5	28	29	8	965	2	641
23	54	12	23	19	7	623	3	712
24	43	11	17	15	4	777	5	563
25	43	10	17	16	4	777	6	563
26								
27								
28								
29								
30								
31								
32								

- IF

Q1 PRINT LOSS IF PROFIT<0, PROFIT IF PROFIT>0

The screenshot shows a Microsoft Excel spreadsheet titled "Excel Exercise CDAC.xlsx - Excel". The data is organized into columns labeled: DATE, Actual Sales, Actual Profit, Actual COGS, and PROFIT OR LOSS. The formula bar at the top contains the formula =IF(B2<0, "LOSS", "PROFIT"). A callout box on the right side of the screen highlights the formula with the text "PROFIT OR LOSS" and the expanded formula IF(logical_test, [value_if_true], [value_if_false]).

DATE	Actual Sales	Actual Profit	Actual COGS	PROFIT OR LOSS
1	219	94	89	=IF(B2<0, "LOSS", "PROFIT")
2	190	-68	83	IF(logical_test, [value_if_true], [value_if_false])
3	234	101	95	PROFIT
4	100	-30	44	LOSS
5	134	54	54	PROFIT
6	180	53	72	PROFIT
7	341	99	223	PROFIT
8	150	0	63	PROFIT
9	140	-33	60	LOSS
10	130	17	58	PROFIT
11	140	36	64	PROFIT
12	345	111	223	PROFIT
13	234	87	95	PROFIT
14	546	203	254	PROFIT
15	456	140	159	PROFIT
16	219	-95	89	LOSS
17	190	68	83	PROFIT
18	234	101	95	PROFIT
19	134	53	54	PROFIT
20	180	54	72	PROFIT
21	45	11	18	PROFIT
22	62	-5	28	LOSS
23	54	12	23	PROFIT
24	43	11	17	PROFIT
25	43	10	17	PROFIT
26				
27				
28				
29				
30				
31				
32				

- AFTER ENTERING INTO ONE CELL, DRAG THE FORMULA DOWN TILL LAST VALUE BY CLICKING THE CELL, THEN ALL CELLS WILL HAVE THE SAME FORMULA INSIDE

Q2 CHECK THE VALUE OF SALES COLUMN. ADD SALES COLUMN "SALES STATUS" IF SALES VALUE BELOW 300 DISPLAY "MEDIUM" ELSE DISPLAY "GOOD"

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Actual Sales	Actual Profit	Actual COGS	Sales Status												
2	219	94	89	=IF(A2<300,"MEDIUM","GOOD")												
3	190	-68	83	IF(A2 < 300, "MEDIUM", "GOOD")	MEDIUM											
4	234	101	95													
5	100	-30	44													
6	134	54	54													
7	180	53	72													
8	341	99	223													
9	150	0	63													
10	140	-33	60													
11	130	17	58													
12	140	36	64													
13	345	111	223													
14	234	87	95													
15	546	203	254													
16	456	140	159													
17	219	-95	89													
18	190	68	83													
19	234	101	95													
20	134	53	54													
21	180	54	72													
22	45	11	18													
23	62	-5	28													
24	54	12	23													
25	43	11	17													
26	43	10	17													
27																
28																
29																
30																
31																
32																

Q3 CHECK THE VALUE OF COGS COLUMN. ADD A NEW COL "COST STATUS"
IF COGS VALUE IS ABOVE 100 DISPLAY "COSTLY" ELSE "NOT COSTLY"

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Actual Sales	Actual Profit	Actual COGS	Cost Status												
2	219	94	89	=IF(C2>100,"COSTLY","NOT COSTLY")												
3	190	-68	83	IF(C2 > 100, "COSTLY", "NOT COSTLY")	NOT COSTLY											
4	234	101	95													
5	100	-30	44													
6	134	54	54													
7	180	53	72													
8	341	99	223													
9	150	0	63													
10	140	-33	60													
11	130	17	58													
12	140	36	64													
13	345	111	223													
14	234	87	95													
15	546	203	254													
16	456	140	159													
17	219	-95	89													
18	190	68	83													
19	234	101	95													
20	134	53	54													
21	180	54	72													
22	45	11	18													
23	62	-5	28													
24	54	12	23													
25	43	11	17													
26	43	10	17													
27																
28																
29																
30																
31																
32																

Q3 COUNT OF COSTLY AND NOT COSTLY

The screenshot shows a Microsoft Excel spreadsheet titled "Excel Exercise CDAC.xlsx - Excel". The data is organized into four columns:

DATE	A Actual Sales	B Actual Profit	C Actual COGS	E COST STATUS
2	219	94	89	NOT COSTLY
3	190	-68	83	NOT COSTLY
4	234	101	95	NOT COSTLY
5	100	-30	44	NOT COSTLY
6	134	54	54	NOT COSTLY
7	180	53	72	NOT COSTLY
8	341	99	223	COSTLY
9	150	0	63	NOT COSTLY
10	140	-33	60	NOT COSTLY
11	130	17	58	NOT COSTLY
12	140	36	64	NOT COSTLY
13	345	111	223	COSTLY
14	234	87	95	NOT COSTLY
15	546	203	254	COSTLY
16	456	140	159	COSTLY
17	219	-95	89	NOT COSTLY
18	190	68	83	NOT COSTLY
19	234	101	95	NOT COSTLY
20	134	53	54	NOT COSTLY
21	180	54	72	NOT COSTLY
22	45	11	18	NOT COSTLY
23	62	-5	28	NOT COSTLY
24	54	12	23	NOT COSTLY
25	43	11	17	NOT COSTLY
26	43	10	17	NOT COSTLY

Below the table, two formulas are displayed in the formula bar:

- =COUNTIF(E2:E26,"COSTLY")
- =COUNTIF(E2:E26,"NON COSTLY")

The status bar at the bottom right shows the date as 3/16/2024.

- CORRELATION:

- WHEN TWO PARAMETERS ARE DEPENDANT ON EACH OTHERS
- TYPES:

1. POSITIVE CORRELATION : ONE INC OTHER INC, ONE DEC OTHER DEC
0 TO 1
 2. NEGATIVE: ONE INC OTHER DEC, NO DEC OTHER INC
-1 TO 0
 3. ZERO; ONE INC DEC, OTHER NO CHANGE
0
- CORRELATION VALUE LIES BETWEEN -1 TO 1

Q1 CORRELATION BTN SALES AND PROFIT

The screenshot shows a Microsoft Excel spreadsheet titled "Excel Exercise CDAC.xlsx". The Data tab is active. In cell A1, the formula `=CORREL(A2:A26,B2:B26)` is being typed. A tooltip displays the formula and its result: `CORREL(array1, array2)` and `0.946537594`. The data range A2:G26 is highlighted with a red border. The status bar at the bottom right shows the date as 3/16/2024 and the time as 2:26 PM.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Actual Sa	Actual Pr	Actual CO	Total Exp	Marketing	Inventory	Margin												
2	219	94	89	36	24	777	130												
3	190	68	83	39	27	623	107												
4	234	101	95	38	26	821	139												
5	100	30	44	26	14	623	56												
6	134	54	54	26	15	456	80												
7	180	53	72	55	23	558	108												
8	341	99	223	72	47	1091	171												
9	150	0	63	87	57	435	87												
10	140	33	60	47	19	336	80												
11	130	17	58	55	22	338	72												
12	140	36	64	40	19	965	76												
13	345	111	223	90	47	862	201												
14	234	87	95	52	30	608	139												
15	546	203	254	109	77	1310	312												
16	456	140	159	88	63	1459	228												
17	219	95	89	35	24	777	130												
18	190	68	83	39	27	623	107												
19	234	101	95	38	26	821	139												
20	134	53	54	27	15	456	80												
21	180	54	72	54	23	558	108												
22	45	11	18	16	5	821	27												
23	62	5	28	29	8	965	34												
24	54	12	23	19	7	623	31												
25	43	11	17	15	4	777	26												
26	43	10	17	16	4	777	26												
27																			
28																			
29																			
30																			
31																			
32																			

- CONDITIONAL FORMATTING

Q1 HIGHLIGHT ALL SALES RECORDS WHERE VALUES ARE ABOVE 200

STEPS-> SELECT DATA CELLS ONLY-> SELECT HOME-> CONDITIONAL FORMATTING->SELECT 'FORMAT ONLY CELLS THAT CONTAIN' ->SELECT LOGICAL RULE -> SELECT FORMAT->COLOR->OK

Q2 HIGHLIGHT ALL MARGIN RECORDS BY FOLLOWING CONDITIONS:

- A. VALUES BELOW 100 = 100 ORANGE
 - B. VALUES BWN 100 TO 200 = GREEN
 - C. VALUES ABOVE 200 = BROWN

Excel Exercise CDAC.xlsx - Excel

Rohan Chavan CR

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Cut Copy Format Painter

Font: Verdana, Size: 10, Bold, Italic, Underline, Alignment: Wrap Text, Number: General, Conditional Formatting, Styles: Cell Styles, Cells: Insert, Delete, Format, Editing: AutoSum, Fill, Sort & Filter, Clear, Add-ins: Share

Clipboard

Actual Pro Actual CO Total Exp Marketing Inventory Margin

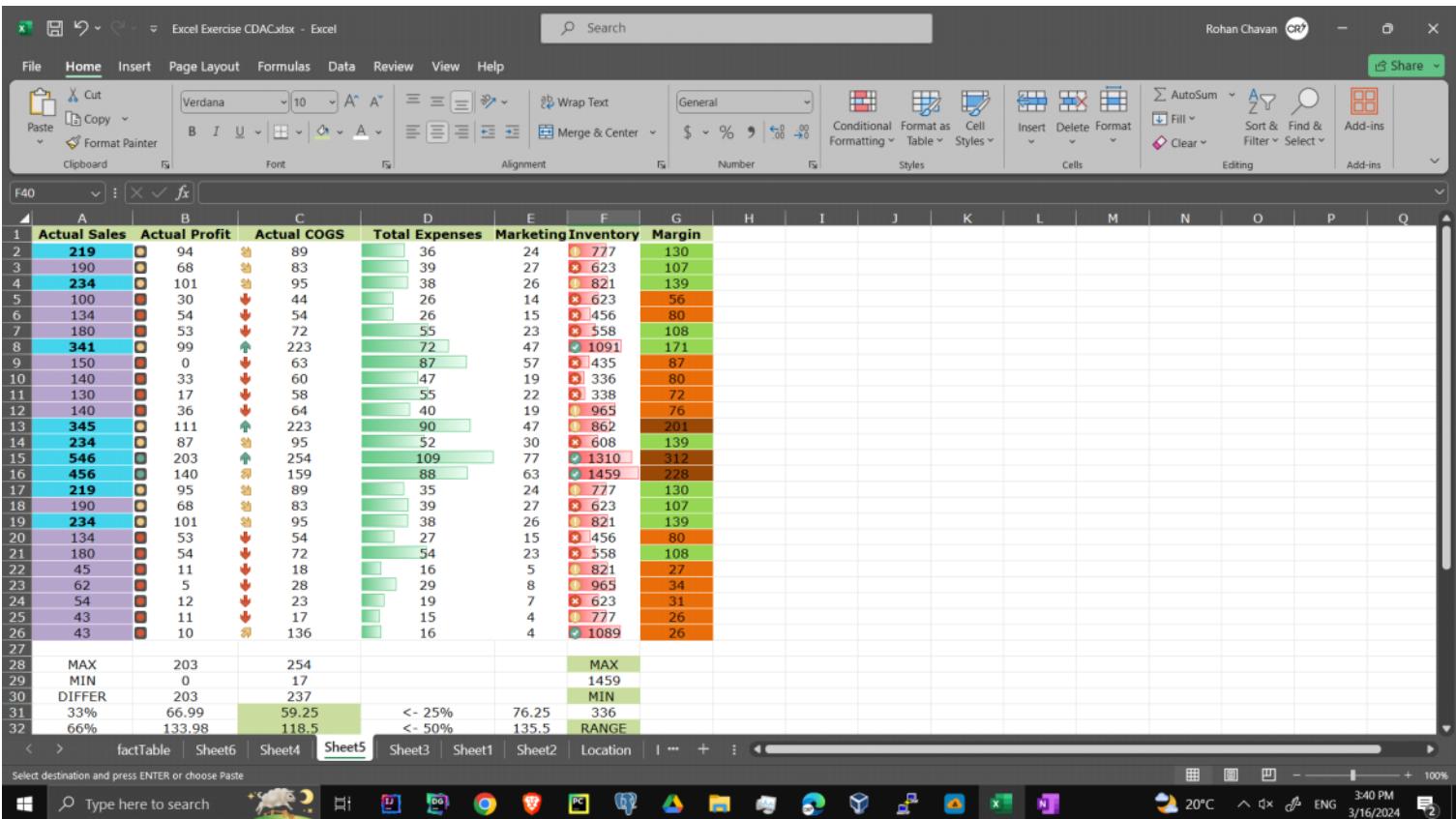
	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Actual	Pro	Actual	CO	Total	Exp	Marketing	Inventory	Margin										
2	94	89	36	24	777	130													
3	68	83	39	27	623	107													
4	101	95	38	26	821	139													
5	30	44	26	14	623	56													
6	54	54	26	15	456	80													
7	53	72	55	23	558	108													
8	99	223	72	47	1091	171													
9	0	63	87	57	435	87													
10	33	60	47	19	336	80													
11	17	58	55	22	338	72													
12	36	64	40	19	965	76													
13	111	223	90	47	862	201													
14	87	95	52	30	608	139													
15	203	254	109	77	1310	312													
16	140	159	88	63	1459	228													
17	95	89	35	24	777	130													
18	68	83	39	27	623	107													
19	101	95	38	26	821	139													
20	53	54	27	15	456	80													
21	54	72	54	23	558	108													
22	11	18	16	5	821	27													
23	5	28	29	8	965	34													
24	12	23	19	7	623	31													
25	11	17	15	4	777	26													
26	10	17	16	4	777	26													
27																			
28																			
29																			
30																			
31																			
32																			

factTable Sheet4 Sheet5 Sheet3 Sheet1 Sheet2 Location Product

Accessibility: Investigate

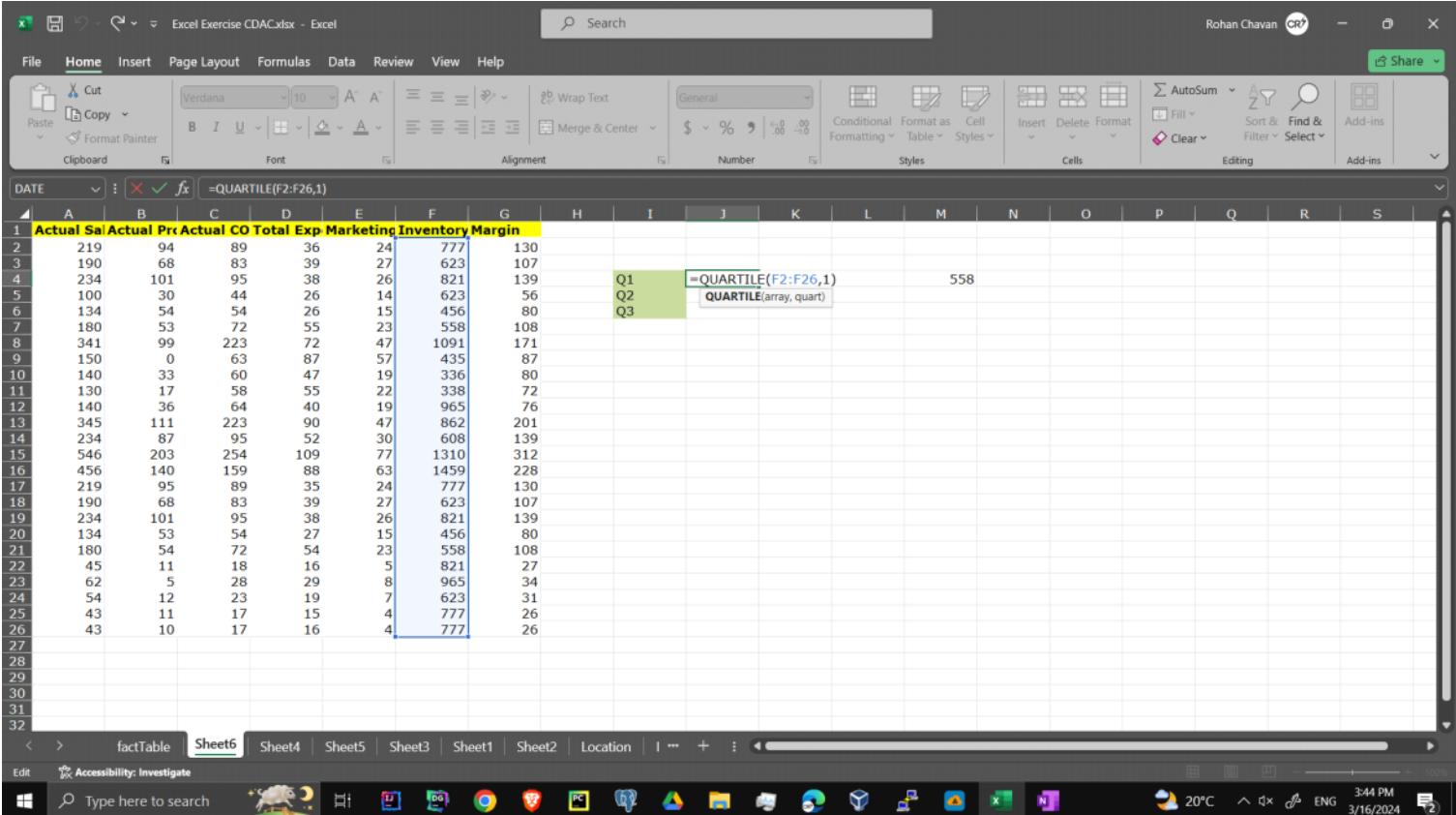
20°C ENG 2:57 PM 3/16/2024

MISLLANEOUS



- 1ST QUARTILE - Q1
- 2ND QUARTILE - Q2 i.e. MEDIAN
- 3RD QUARTILE - Q3

QUE1 CALCULATE Q1 Q2 Q3



◆ OUTLIERS

- IQR (INTER QUARTILE RANGE) = Q3-Q1
- UPPER LIMIT = Q3 + (1.5*IQR)
- LOWER LIMIT = Q1 - (1.5*IQR)

Q1 FIND OUTLIERS OF COGS RECORDS

Actual Sale Actual Prof Actual COGS Ital Expens Marketing Inventory Margin

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Actual Sale	Actual Prof	Actual COGS	Ital Expens	Marketing	Inventory	Margin		Actual COGS												
2	219	94	89	36	24	777	130														
3	190	68	83	39	27	623	107		Q1	54											
4	234	101	95	38	26	821	139		Q2	72											
5	100	30	44	26	14	623	56		Q3	95											
6	134	54	54	26	15	456	80														
7	180	53	72	55	23	558	108		IQR	41											
8	341	99	223	72	47	1091	171		Q3 - Q1												
9	150	0	63	87	57	435	87														
10	140	33	60	47	19	336	80														
11	130	17	58	55	22	338	72														
12	140	36	64	40	19	965	76														
13	345	111	223	90	47	862	201		UPPER	156.5											
14	234	87	95	52	30	608	139														
15	546	203	254	109	77	1310	312														
16	456	140	159	88	63	1459	228		LOWER	-7.5											
17	219	95	89	35	24	777	130														
18	190	68	83	39	27	623	107														
19	234	101	95	38	26	821	139														
20	134	53	54	27	15	456	80														
21	180	54	72	54	23	558	108														
22	45	11	18	16	5	821	27														
23	62	5	28	29	8	965	34														
24	54	12	23	19	7	623	31														
25	43	11	17	15	4	777	26														
26	43	10	17	16	4	777	26														
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					

CALCUTE UPPER AND LOWER-> SET RULE -> 'GREATER THAN' UPPER
AND 'LOWER THAN' LOWER

• RANDOM NUMBERS

Q1 GENERATE 10 RANDOM NUMBERS BETWEEN 10 AND 99

Excel Exercise CDAC.xlsx - Excel

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Cut Copy Format Painter Clipboard Font Alignment Number Styles Cells AutoSum Fill Sort & Filter Clear Add-ins

DATE : =RANDBETWEEN(0,99)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
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factTable Sheet6 Sheet7 Sheet8 Sheet4 Sheet5 Sheet3 Sheet1 Sh ... + :

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Q2 CREATE RANDOM INPUTS OF USERS AND SORT THE REVIEWS

Excel Exercise CDAC.xlsx - Excel

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N13 : =TOTAL(RATINGS)

	BATTERY	STORAGE	DISPLAY	PROCESSOR			CAMERA	BATTERY	STORAGE	DISPLAY	PROCESSOR								
1	1	2	4	2			1	26	20	21	18								
2	1	1	4	5			2	21	21	24	17								
3	4	2	3	4			3	22	18	23	20								
4	4	4	5	5			4	13	19	15	24								
5	5	5	2	3			5	18	22	17	21								
6	5	1	1	1															
7	5	3	4	1															
8	5	3	4	1															
9	1	3	1	1															
10	3	2	1	2															
11	3	2	4	4															
12	5	2	4	4															
13	4	3	3	3															
14	2	2	5	3															
15	2	4	3	4															
16	3	5	5	4															
17	1	5	5	3															
18	5	4	3	1															
19	4	3	5	2															
20	5	1	4	3															
21	1	1	3	5															
22	2	3	3	1															
23	2	3	5	5															
24	4	3	2	2															
25	5	3	5	4															
26	4	2	3	4															
27	4	2	3	2															
28	3	1	4	4															
29	5	3	3	1															
30	2	4	5	4															
31	4	1	2	4															
32	2	1	3	2															

factTable Sheet6 Sheet7 Sheet8 Sheet4 Sheet5 Sheet3 Sheet1 Sheet2 Lo ... + :

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