

SpreadSheet with Data Validation Lab

In this lab I was able to analyze the data given from the results of monthly sales in January and February, create a table for January results, and implement data validation along with visualization for some of the data results.

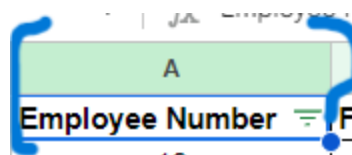
First task was to gather all the data of the employees with first and last names, sales in the month of January and February and geographic region of the employees

1	First Name				
	A	B	C	D	E
1	First Name	Last Name	Sales in Jan	Sales in Feb	Region
2	Sydney	Anderson	8400	8600	South
3	Casey	Brown	8700	8950	East
4	Taylor	Davis	6500	6700	West
5	Jordan	Garcia	7850	7500	North
6	Quinn	Hall	750	950	South
7	Bailey	Harris	9100	9350	East
8	Kendall	Jackson	7750	7950	South
9	Alex	Johnson	2750	3100	North
0	Taylor	King	8500	8700	West
1	Alex	Lee	6000	6200	East
2	Blake	Martinez	8800	8550	North
3	Sam	Miller	3200	3400	South
4	Riley	Moore	2200	2450	West
5	Casey	Robinson	3050	3200	West
6	Jamie	Smith	4550	4200	South
7	Cameron	Taylor	9300	9000	North
8	Avery	Thomas	7600	7800	East
9	Drew	Walker	10000	9800	North
0	Jordan	White	4000	4150	West
1	Morgan	Wilson	5000	5200	East

The next task was to convert the January and February sales numbers into dollar values

D	E
Sales in January	Sales in Feb
\$10,000	\$9,800
\$9,300	\$9,000
\$9,100	\$9,350
\$8,800	\$8,550
\$8,700	\$8,950
\$8,500	\$8,700
\$8,400	\$8,600
\$7,850	\$7,500
\$7,750	\$7,950
\$7,600	\$7,800
\$6,500	\$6,700
\$6,000	\$6,200
\$5,000	\$5,200
\$4,550	\$4,200
\$4,000	\$4,150
\$3,200	\$3,400
\$3,050	\$3,200
\$2,750	\$3,100
\$2,200	\$2,450
\$750	\$950

The following task was to add employee numbers displaying in the column under cell A.



A	B	C
Employee Number	First Name	Last Name
19	Drew	Walker
17	Cameron	Taylor
16	Bailey	Harris
18	Blake	Martinez
2	Casey	Brown
3	Taylor	King
1	Sydney	Anderson
9	Jordan	Garcia
7	Kendall	Jackson
8	Avery	Thomas
7	Taylor	Davis
5	Alex	Lee
6	Morgan	Wilson
13	Jamie	Smith
11	Jordan	White
12	Sam	Miller
4	Casey	Robinson
21	Alex	Johnson
15	Riley	Moore
20	Quinn	Hall

Next was to calculate the difference in sales from January to February entered in cell F, and show the difference of sales for each employee going down the column.

B	C	D	E	F
First Name	Last Name	Sales in January	Sales in Feb	Sales Improvement
Drew	Walker	\$10,000	\$9,800	-\$200
Cameron	Taylor	\$9,300	\$9,000	-\$300
Bailey	Harris	\$9,100	\$9,350	\$250
Blake	Martinez	\$8,800	\$8,550	-\$250
Casey	Brown	\$8,700	\$8,950	\$250
Taylor	King	\$8,500	\$8,700	\$200
Sydney	Anderson	\$8,400	\$8,600	\$200
Jordan	Garcia	\$7,850	\$7,500	-\$350
Kendall	Jackson	\$7,750	\$7,950	\$200
Avery	Thomas	\$7,600	\$7,800	\$200
Taylor	Davis	\$6,500	\$6,700	\$200
Alex	Lee	\$6,000	\$6,200	\$200
Morgan	Wilson	\$5,000	\$5,200	\$200
Jamie	Smith	\$4,550	\$4,200	-\$350
Jordan	White	\$4,000	\$4,150	\$150
Sam	Miller	\$3,200	\$3,400	\$200
Casey	Robinson	\$3,050	\$3,200	\$150
Alex	Johnson	\$2,750	\$3,100	\$350
Riley	Moore	\$2,200	\$2,450	\$250
Quinn	Hall	\$750	\$950	\$200

Next task was to create a table displaying January results summarized after calculating total sales, max sales, average, and best seller threshold amount, and number of best sellers

D		
Sales in January		
\$10,000		
\$9,300		
\$9,100		
\$8,800		
\$8,700		
\$8,500		
\$8,400		
\$7,850		
\$7,750		
\$7,600		
\$6,500		
\$6,000		
\$5,000		
\$4,550		
\$4,000		
\$3,200		
\$3,050		
\$2,750		
\$2,200		
\$750		

January Summary	
Total Sales	\$124,000
Max Sales	\$10,000
Average	\$6,200
Best Seller Threshold	\$6,500
# Best sellers	10

Next I added a new column in cell H that shows if employees met the January threshold of \$6500 with YES or NO input.

D	E	F	G	H
Sales in January	Sales in Feb	Sales Improvement	Region	Best Seller?
\$10,000	\$9,800	-\$200	North	YES
\$9,300	\$9,000	-\$300	North	YES
\$9,100	\$9,350	\$250	East	YES
\$8,800	\$8,550	-\$250	North	YES
\$8,700	\$8,950	\$250	East	YES
\$8,500	\$8,700	\$200	West	YES
\$8,400	\$8,600	\$200	South	YES
\$7,850	\$7,500	-\$350	North	YES
\$7,750	\$7,950	\$200	South	YES
\$7,600	\$7,800	\$200	East	YES
\$6,500	\$6,700	\$200	West	NO
\$6,000	\$6,200	\$200	East	NO
\$5,000	\$5,200	\$200	East	NO
\$4,550	\$4,200	-\$350	South	NO
\$4,000	\$4,150	\$150	West	NO
\$3,200	\$3,400	\$200	South	NO
\$3,050	\$3,200	\$150	West	NO
\$2,750	\$3,100	\$350	North	NO
\$2,200	\$2,450	\$250	West	NO
\$750	\$950	\$200	South	NO

Next I added filters to the data table to further sort out any data needed.

A	B	C	D	E	F	G	H
Employee Number	First Name	Last Name	Sales in January	Sales in Feb	Sales Improvement	Region	Best Seller?
19	Drew	Walker	\$10,000	\$9,800	-\$200	North	YES
17	Cameron	Taylor	\$9,300	\$9,000	-\$300	North	YES
16	Bailey	Harris	\$9,100	\$9,350	\$250	East	YES
18	Blake	Martinez	\$8,800	\$8,550	-\$250	North	YES
2	Casey	Brown	\$8,700	\$8,950	\$250	East	YES
3	Taylor	King	\$8,500	\$8,700	\$200	West	YES
1	Sydney	Anderson	\$8,400	\$8,600	\$200	South	YES
9	Jordan	Garcia	\$7,850	\$7,500	-\$350	North	YES
7	Kendall	Jackson	\$7,750	\$7,950	\$200	South	YES
8	Avery	Thomas	\$7,600	\$7,800	\$200	East	YES
7	Taylor	Davis	\$6,500	\$6,700	\$200	West	NO
5	Alex	Lee	\$6,000	\$6,200	\$200	East	NO
6	Morgan	Wilson	\$5,000	\$5,200	\$200	East	NO
13	Jamie	Smith	\$4,550	\$4,200	-\$350	South	NO
11	Jordan	White	\$4,000	\$4,150	\$150	West	NO
12	Sam	Miller	\$3,200	\$3,400	\$200	South	NO
4	Casey	Robinson	\$3,050	\$3,200	\$150	West	NO
21	Alex	Johnson	\$2,750	\$3,100	\$350	North	NO
15	Riley	Moore	\$2,200	\$2,450	\$250	West	NO
20	Quinn	Hall	\$750	\$950	\$200	South	NO

Also added a border around data table to help with clarity when viewing the data.

A	B	C	D	E	F	G	H
Employee Number	First Name	Last Name	Sales in January	Sales in Feb	Sales Improvement	Region	Best Seller?
19	Drew	Walker	\$10,000	\$9,800	-\$200	North	YES
17	Cameron	Taylor	\$9,300	\$9,000	-\$300	North	YES
16	Bailey	Harris	\$9,100	\$9,350	\$250	East	YES
18	Blake	Martinez	\$8,800	\$8,550	-\$250	North	YES
2	Casey	Brown	\$8,700	\$8,950	\$250	East	YES
3	Taylor	King	\$8,500	\$8,700	\$200	West	YES
1	Sydney	Anderson	\$8,400	\$8,600	\$200	South	YES
9	Jordan	Garcia	\$7,850	\$7,500	-\$350	North	YES
7	Kendall	Jackson	\$7,750	\$7,950	\$200	South	YES
8	Avery	Thomas	\$7,600	\$7,800	\$200	East	YES
7	Taylor	Davis	\$6,500	\$6,700	\$200	West	NO
5	Alex	Lee	\$6,000	\$6,200	\$200	East	NO
6	Morgan	Wilson	\$5,000	\$5,200	\$200	East	NO
13	Jamie	Smith	\$4,550	\$4,200	-\$350	South	NO
11	Jordan	White	\$4,000	\$4,150	\$150	West	NO
12	Sam	Miller	\$3,200	\$3,400	\$200	South	NO
4	Casey	Robinson	\$3,050	\$3,200	\$150	West	NO
21	Alex	Johnson	\$2,750	\$3,100	\$350	North	NO
15	Riley	Moore	\$2,200	\$2,450	\$250	West	NO
20	Quinn	Hall	\$750	\$950	\$200	South	NO

The final task was to add data validation with some color visualization, for five of the employees with Y or N representing Yes or No to show if the employee met the sales threshold for January.

A	B	C	D	E	F	G	H	I	J	K	L
Employee Number	First Name	Last Name	Sales in January	Sales in Feb	Sales Improvement	Region	Best Seller?				
19	Drew	Walker	\$10,000	\$9,800	-\$200	North	YES				
17	Cameron	Taylor	\$9,300	\$9,000	-\$300	North	YES				
16	Bailey	Harris	\$9,100	\$9,350	\$250	East	YES				
18	Blake	Martinez	\$8,800	\$8,550	-\$250	North	YES				
2	Casey	Brown	\$8,700	\$8,950	\$250	East	YES				
3	Taylor	King	\$8,500	\$8,700	\$200	West	YES				
1	Sydney	Anderson	\$8,400	\$8,600	\$200	South	YES				
9	Jordan	Garcia	\$7,850	\$7,500	-\$350	North	YES				
7	Kendall	Jackson	\$7,750	\$7,950	\$200	South	YES				
8	Avery	Thomas	\$7,600	\$7,800	\$200	East	YES				
7	Taylor	Davis	\$6,500	\$6,700	\$200	West	NO				
5	Alex	Lee	\$6,000	\$6,200	\$200	East	NO				
6	Morgan	Wilson	\$5,000	\$5,200	\$200	East	NO				
13	Jamie	Smith	\$4,550	\$4,200	-\$350	South	NO				
11	Jordan	White	\$4,000	\$4,150	\$150	West	NO				
12	Sam	Miller	\$3,200	\$3,400	\$200	South	NO				
4	Casey	Robinson	\$3,050	\$3,200	\$150	West	NO				
21	Alex	Johnson	\$2,750	\$3,100	\$350	North	NO				
15	Riley	Moore	\$2,200	\$2,450	\$250	West	NO				
20	Quinn	Hall	\$750	\$950	\$200	South	NO				

January Summary	
Total Sales	\$124,000
Max Sales	\$10,000
Average	\$6,200
Best Seller Threshold	\$6,500
# Best sellers	10

In this lab within google sheets I was able to display data validation, create borders, and filters to help further sort out data and add new columns as needed to properly display data in spreadsheets. This was an interesting and fun lab that continuously gives me experience working within spreadsheets whether in google sheets or Microsoft Excel.