

Legaspi, Rumil

STAT 521

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LAB 5 Outputs

Question #1: (iii). Print the newly created dataset with labels and formats displayed.

Sales Data Relabeled & QTR 1 Avg Sales Added						
Obs	Employee id	state	Sales in Jan	Sales in Feb	Sales in Mar	Average Sales in Quarter 1
1	1	ca	\$500.00	\$450.00	\$800.00	\$583.33
2	2	ca	\$600.00	\$670.00	\$750.00	\$673.33
3	3	ca	\$510.00	\$550.00	\$670.00	\$576.67
4	4	tx	\$700.00	\$900.00	\$1100.00	\$900.00
5	5	tx	\$1000.00	\$1500.00	\$450.00	\$983.33
6	6	ca	\$850.00	.	\$670.00	\$760.00
7	7	ca	\$770.00	\$789.00	\$674.00	\$737.67
8	8	tx	\$600.00	\$875.00	\$453.00	\$642.67
9	9	ca	.	\$700.00	\$890.00	\$795.00
10	10	ca	\$700.00	\$670.00	\$678.00	\$682.67
11	11	ca	\$600.00	\$680.00	\$789.00	\$689.67
12	12	ca	\$800.00	\$580.00	\$456.00	\$605.33
13	13	ca	\$450.00	\$554.00	\$567.00	\$523.67
14	14	ca	\$780.00	\$443.00	.	\$611.50
15	15	tx	\$890.00	\$889.00	\$789.00	\$856.00
16	16	tx	.	\$998.00	\$675.00	\$835.50
17	17	tx	\$890.00	\$554.00	\$455.00	\$633.00
18	18	tx	\$670.00	\$676.00	\$677.00	\$674.33
19	19	tx	\$770.00	\$1289.00	\$788.00	\$949.00

Question #2: (iii). Print the sales dataset and use the format 'salesgroup' stored in “myfmts” library.

Sales Data Results with Salesgroup Format

Obs	id	state	sale_m1	sale_m2	sale_m3	AverageSales
1	1	ca	\$500.00	\$450.00	\$800.00	need improvement
2	2	ca	\$800.00	\$670.00	\$750.00	need improvement
3	3	ca	\$510.00	\$550.00	\$670.00	need improvement
4	4	tx	\$700.00	\$900.00	\$1100.00	top sale
5	5	tx	\$1000.00	\$1500.00	\$450.00	top sale
6	6	ca	\$850.00	.	\$670.00	good
7	7	ca	\$770.00	\$789.00	\$674.00	good
8	8	tx	\$600.00	\$875.00	\$453.00	need improvement
9	9	ca	.	\$700.00	\$890.00	good
10	10	ca	\$700.00	\$670.00	\$678.00	need improvement
11	11	ca	\$600.00	\$680.00	\$789.00	need improvement
12	12	ca	\$800.00	\$560.00	\$456.00	need improvement
13	13	ca	\$450.00	\$554.00	\$567.00	need improvement
14	14	ca	\$780.00	\$443.00	.	need improvement
15	15	tx	\$890.00	\$889.00	\$789.00	good
16	16	tx	.	\$996.00	\$675.00	good
17	17	tx	\$890.00	\$554.00	\$455.00	need improvement
18	18	tx	\$670.00	\$676.00	\$677.00	need improvement
19	19	tx	\$770.00	\$1289.00	\$788.00	top sale

Question #3: (vi). Print the poverty dataset and assign the format “povertygroup” to the average poverty variable.

Poverty Dataset with Added Averages & "Note" Variable Formatted								
Obs	States	Year_2017	Year_2016	Year_2015	Avgpovertyrate	Poverty Rate Changes 2015 to 2016	Poverty Rate Changes 2016 to 2017	Note
1	AL	16.9	17.2	18.5	High	-1.3	-0.3	Improve
2	AK	11	9.9	10.4	Moderate	-0.5	1.1	Worsen
3	AZ	14.9	16.4	17.4	High	-1.0	-1.5	Improve
4	AR	16.3	17.2	18.7	High	-1.5	-0.9	Improve
5	CA	13.3	14.4	15.4	Moderate	-1.0	-1.1	Improve
6	CO	10.3	11	11.5	Moderate	-0.5	-0.7	Improve
7	CT	9.7	9.9	10.6	Moderate	-0.7	-0.2	Improve
8	DE	13	11.8	12.6	Moderate	-0.8	1.2	Worsen
9	DC	16.6	18.5	17.7	High	0.8	-1.9	Improve
10	FL	14.1	14.8	15.8	Moderate	-1.0	-0.7	Improve
11	GA	15.1	16.1	17.2	High	-1.1	-1.0	Improve
12	HI	9.5	9.5	10.7	Below 10%	-1.2	0.0	Unchanged
13	ID	12.6	13.8	14.7	Moderate	-0.9	-1.2	Improve
14	IL	12.5	13	13.6	Moderate	-0.6	-0.5	Improve
15	IN	13.3	14	14.4	Moderate	-0.4	-0.7	Improve
16	IA	10.8	11.7	12.1	Moderate	-0.4	-0.9	Improve
17	KS	11.9	12.2	12.9	Moderate	-0.7	-0.3	Improve
18	KY	17.1	18.2	18.3	High	-0.1	-1.1	Improve
19	LA	19.6	20.1	19.5	High	0.6	-0.5	Improve
20	ME	11.3	12.3	13.2	Moderate	-0.9	-1.0	Improve
21	MD	9.4	9.7	9.9	Below 10%	-0.2	-0.3	Improve
22	MA	10.5	10.5	11.5	Moderate	-1.0	0.0	Unchanged
23	MI	14.1	14.9	15.7	Moderate	-0.8	-0.8	Improve
24	MN	9.5	9.9	10.2	Below 10%	-0.3	-0.4	Improve
25	MS	19.9	21	22.1	Very High	-1.1	-1.1	Improve
26	MO	13.4	14	14.8	Moderate	-0.8	-0.6	Improve
27	MT	12.7	13.4	14.4	Moderate	-1.0	-0.7	Improve
28	NE	10.7	11.3	12.2	Moderate	-0.9	-0.6	Improve
29	NV	13.3	14.1	14.9	Moderate	-0.8	-0.8	Improve
30	NH	7.7	7.6	8.4	Below 10%	-0.8	0.1	Worsen
31	NJ	10	10.4	10.8	Moderate	-0.4	-0.4	Improve
32	NM	19	19.1	19.8	High	-0.7	-0.1	Improve
33	NY	14.1	14.8	15.5	Moderate	-0.7	-0.7	Improve
34	NC	14.7	15.4	16.4	High	-1.0	-0.7	Improve
35	ND	10.2	10.5	10.7	Moderate	-0.2	-0.3	Improve
36	OH	13.9	14.5	14.8	Moderate	-0.3	-0.6	Improve
37	OK	15.8	16.1	16	High	0.1	-0.3	Improve
38	OR	13.2	13.4	15.2	Moderate	-1.8	-0.2	Improve
39	PA	12.5	12.9	13.1	Moderate	-0.2	-0.4	Improve
40	RI	12.3	13.3	14.1	Moderate	-0.8	-1.0	Improve
41	SC	15.4	15.3	16.8	High	-1.5	0.1	Worsen
42	SD	12.8	12.9	13.5	Moderate	-0.6	-0.1	Improve
43	TN	15	15.8	16.7	High	-0.9	-0.8	Improve
44	TX	14.7	15.6	15.9	High	-0.3	-0.9	Improve
45	UT	9.7	10.2	11.2	Moderate	-1.0	-0.5	Improve
46	VT	10.8	11.3	10.4	Moderate	0.9	-0.5	Improve
47	VA	10.7	11	11.2	Moderate	-0.2	-0.3	Improve
48	WA	11	11.3	12.2	Moderate	-0.9	-0.3	Improve
49	WV	18.5	17.9	18	High	-0.1	0.6	Worsen
50	WI	11.3	11.8	12.1	Moderate	-0.3	-0.5	Improve
51	WY	10.8	10.9	10.6	Moderate	0.3	-0.1	Improve

