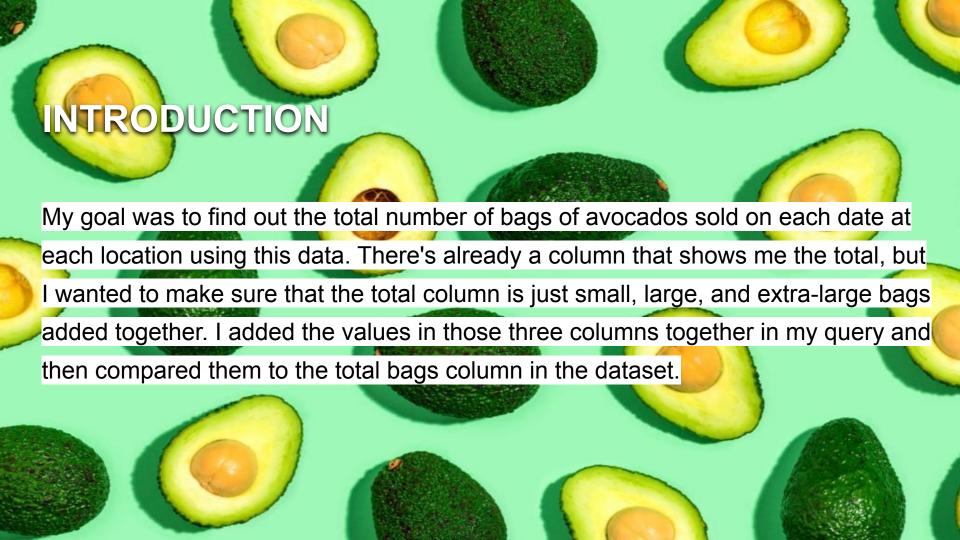
Embedding Simple Calculations in SQL with BigQuery

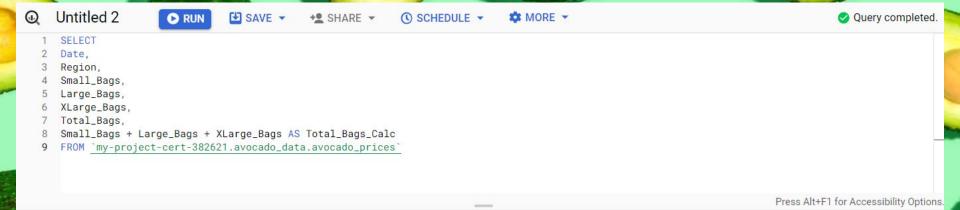


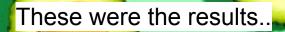


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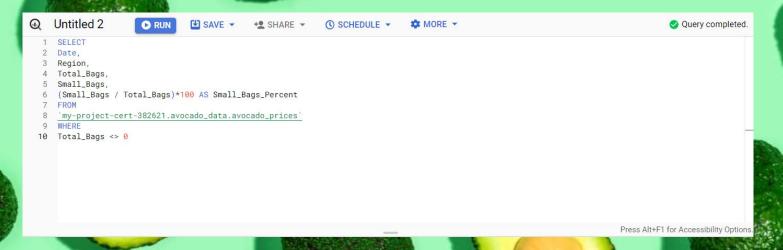
I started with SELECT and then the names of the columns I wanted to use in my calculations. Then I added the calculation to the query using the names of the three columns with plus signs between them. Then I typed AS followed by the new column name to label the column with the calculated values. Finally, I ended my first query with the FROM command and the name of the table that I was pulling data from.





\$		▲ SAVE RESULTS ▼					y results	Query
			PH PREVIEW	EXECUTION GRA	ECUTION DETAILS	RESULTS JSON E	FORMATION	JOB IN
11	Total_Bags_Calc 🔻	Total_Bags ▼	XLarge_Bags ▼	Large_Bags ▼	Small_Bags ▼	Region ▼	Date ▼	Row
	8696.87	8696.87	0.0	93.25	8603.62	Albany	2015-12-27	1
	66354.31	66354.31	0.0	17748.36	48605.95	Atlanta	2015-12-27	2
	144911.1	144911.1	0.0	2367.22	142543.88	BaltimoreWashington	2015-12-27	3
	23561.1	23561.1	35.22	5.69	23520.19	Boise	2015-12-27	4
	86012.86	86012.86	0.0	99.26	85913.6	Boston	2015-12-27	5
	55236.68	55236.68	0.0	0.0	55236.68	BuffaloRochester	2015-12-27	6
	1212707.010000	1212707.01	11829.59	110737.35	1090140.07	California	2015-12-27	7
	37630.04	37630.04	0.0	2499.62	35130.42	Charlotte	2015-12-27	8
	94741.09	94741.09	10056.67	1617.67	83066.75	Chicago	2015-12-27	9
	50369.29999999	50369.3	5350.6	30968.06	14050.64	CincinnatiDayton	2015-12-27	10
	23071.78	23071.78	4164.71	3874.64	15032.43	Columbus	2015-12-27	11
	164495.2700000	164495.27	15657.53	12277.7	136560.04	DallasFtWorth	2015-12-27	12
	266590.0799999	266590.08	85.85	227884.21	38620.02	Denver	2015-12-27	13
	62067 //7000000	62067 49	12268 02	762 25	18036 21	Detroit	2015-12-27	1/

In my second query, I set up a new column starting with my calculation. To find the percentage of small bags, I needed to first divide the number of small bags by the number of total bags using a slash as the operator. I put that part of the calculation in parentheses to let the server know that this calculation would need to be performed first. Then I multiplied the total by 100 using an asterisk as our operator. Multiplying by 100 gave me a value that's a percentage instead of a decimal. I used the AS command to name this new column, "Small Bags Percent." Then I added FROM and the name of the set I was pulling from and WHERE with the Total_Bags column followed by a less than sign, a greater than sign, and a zero.



And here are the results for the second query..

Quer	y results					♣ SAVE RESULTS ▼	0
JOB IN	IFORMATION	RESULTS JSON	EXECUTION DETAILS	EXECUTION GRA	APH PREVIEW		
Row	Date ▼	Region ▼	Total_Bags ▼	Small_Bags ▼	Small_Bags_Percent		li.
1	2015-12-27	Albany	8696.87	8603.62	98.92777516508		
2	2015-12-27	Atlanta	66354.31	48605.95	73.25213689962		
3	2015-12-27	BaltimoreWashington	144911.1	142543.88	98.36643293715		
4	2015-12-27	Boise	23561.1	23520.19	99.82636634113		
5	2015-12-27	Boston	86012.86	85913.6	99.884598651876		
6	2015-12-27	BuffaloRochester	55236.68	55236.68	100.0		
7	2015-12-27	California	1212707.01	1090140.07	89.89311193970		
8	2015-12-27	Charlotte	37630.04	35130.42	93.35738149627		
9	2015-12-27	Chicago	94741.09	83066.75	87.67763807657		
10	2015-12-27	CincinnatiDayton	50369.3	14050.64	27.89524571514		
11	2015-12-27	Columbus	23071.78	15032.43	65.15505088900		
12	2015-12-27	DallasFtWorth	164495.27	136560.04	83.01760895617		
Load mor	re						

Results per page:

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The queries performed successfully enabled the analysis of the total number of bags of avocados sold on each date at each location, specifically focusing on the small, large, and extra-large bags. By summing up the values from these three columns and comparing them to the "Total Bags" column in the dataset, the queries ensured the accuracy and integrity of the "Total Bags" column. Additionally, the introduction of a new column for the percentage of small bags allowed for a comprehensive examination of the data. These queries provided a systematic and efficient means of evaluating the avocados sales data, enabling informed decision-making based on reliable information.