Data Analyst Portfolio
Oge

Using Google Sheets to display data-driven decision-making

Data-Driven Decision-Making Spreadsheet

Rate each option of 0-10 scale (10 is best)

Unweighted Version

#	Options	Income	Fulfilling	Networking	Creativity	Quick Prep	Automated	Average Score	Decision
1	Sell honey	8	5	3	6	6	4	5.33	Y
2	Tuition Centre	6	3	6	3	4	9	5.17	
3	Youtube centre	5	7	4	5	3	4	4.67	
4	Travel vlogs	3	9	5	4	2	7	5.00	

Weighted Version

	100%)	30%	15%	15%	10%	10%	20%	100%	
#	Ideas & Opportunities	Income	Fulfilling	Networking	Creativity	Quick Prep	Automated	Weighted Score	Decision
1	Sell honey	2.40	0.75	0.45	0.60	0.60	0.80	5.60	
2	Tuition Centre	1.80	0.45	0.90	0.30	0.40	1.80	5.65	Y
3	Youtube centre	1.50	1.05	0.60	0.50	0.30	0.80	4.75	
4	Travel vlogs	0.90	1.35	0.75	0.40	0.20	1.40	5.00	

Template (?)

ANALYSIS OF STOCK OF ELECTRIC VEHICLES BY COUNTRY

```sql
/** TASK - List the top 5 countries with the highest number of EV cars currently.  **/
SELECT TOP(5) [region]
      ,SUM(value) AS Number_of_EVs


FROM AdventureWorks2017.[dbo].[IEA-EV-dataEV stockCarsHistorical2]
WHERE [region] <> 'World' AND [region] <> 'Europe' AND [region] <> 'EU27'
GROUP BY [region]

ORDER BY Number_of_EVs desc;
```
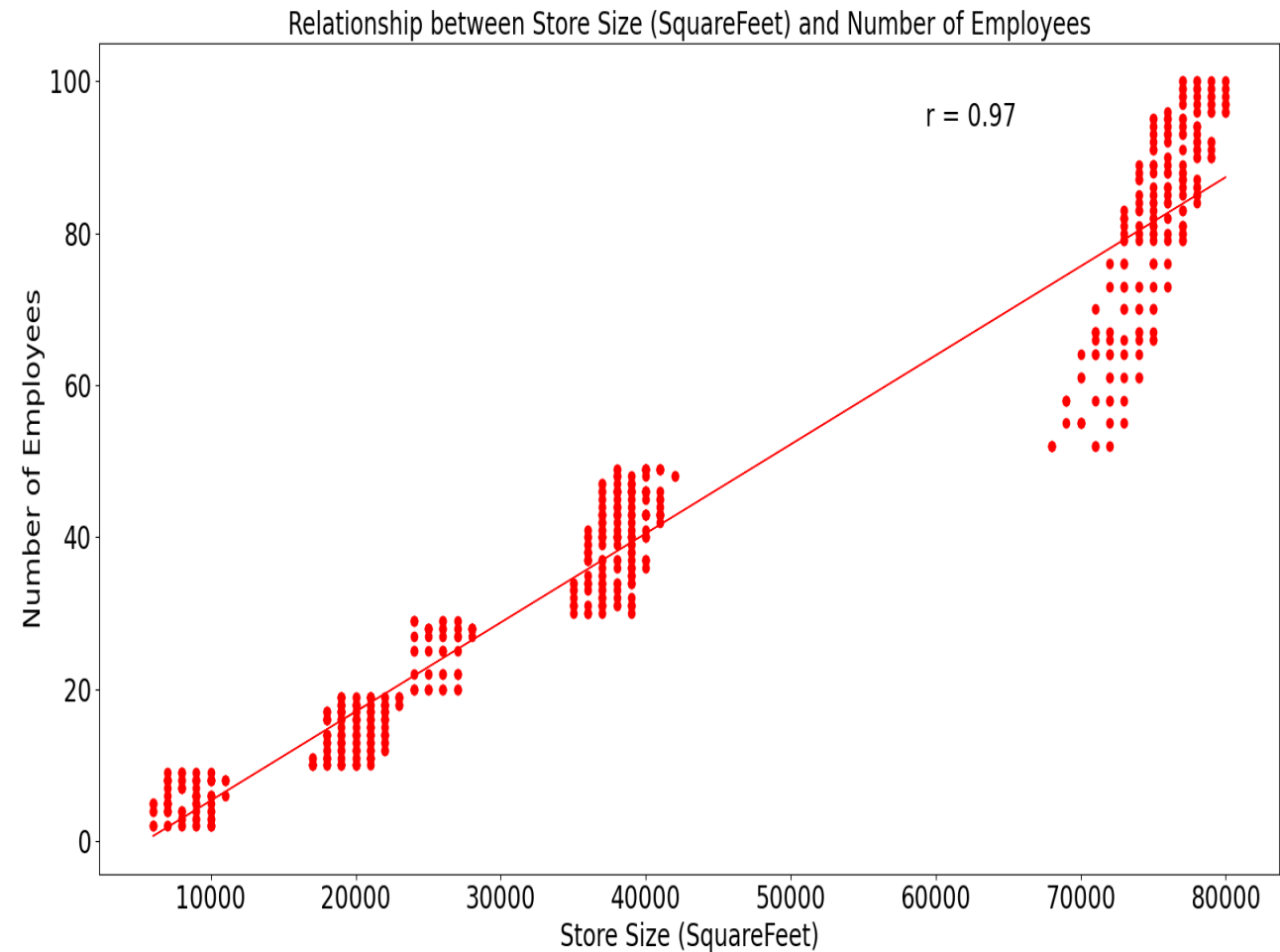
100 %

Results   Messages

	region	Number_of_EVs
1	China	34280420
2	USA	11782800
3	Germany	4532990
4	Norway	2915905
5	France	2818996

The country with the highest number of electric vehicle cars was 'China' with 22 million more cars than other countries

Analysis of relationship between the size of the stores, number of employees and revenue of a retail business

- Relationship between the size of the stores and number of employees

  - The correlation coefficient of +0.97 suggest there is a very strong relationship between the size of the stores and number of employees

Relationship between Store Size (SquareFeet) and Number of Employees

r = 0.97

Further exploration of the relationship between the size of the stores, number of employees and revenue of a retail business

CORRELATION MATRIX

- The correlation coefficient of -1 suggest strong negative relationship whilst correlation coefficient of +1 suggest strong positive relationship between the size of the stores and number of employees

- There is a positive relationship between the size of store, number of employees and revenue generated