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 (2)

ANALYSIS OF STOCK OF ELECTRIC VEHICLES BY COUNTRY

```
/** 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 %

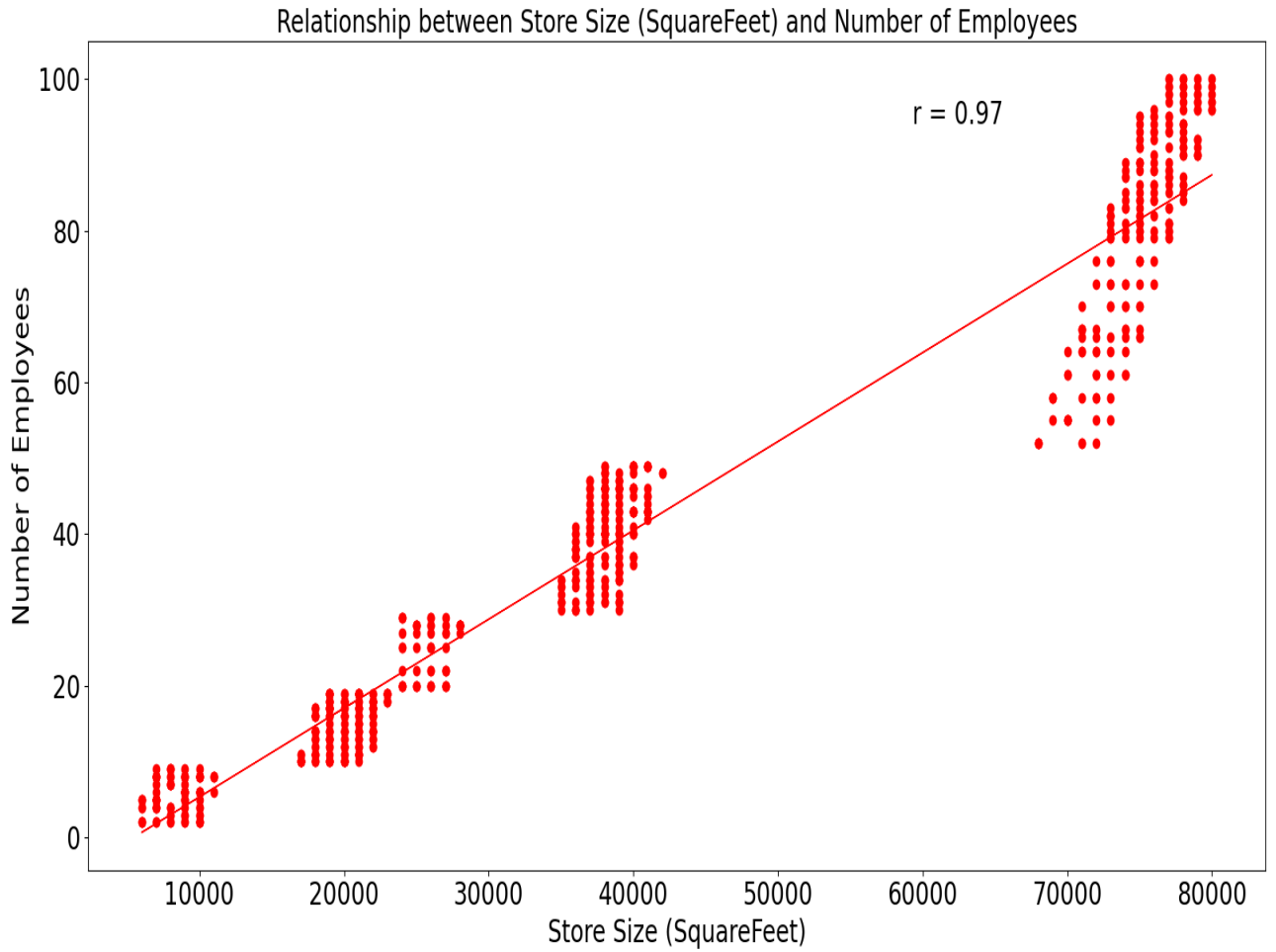
Results | Messages

	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

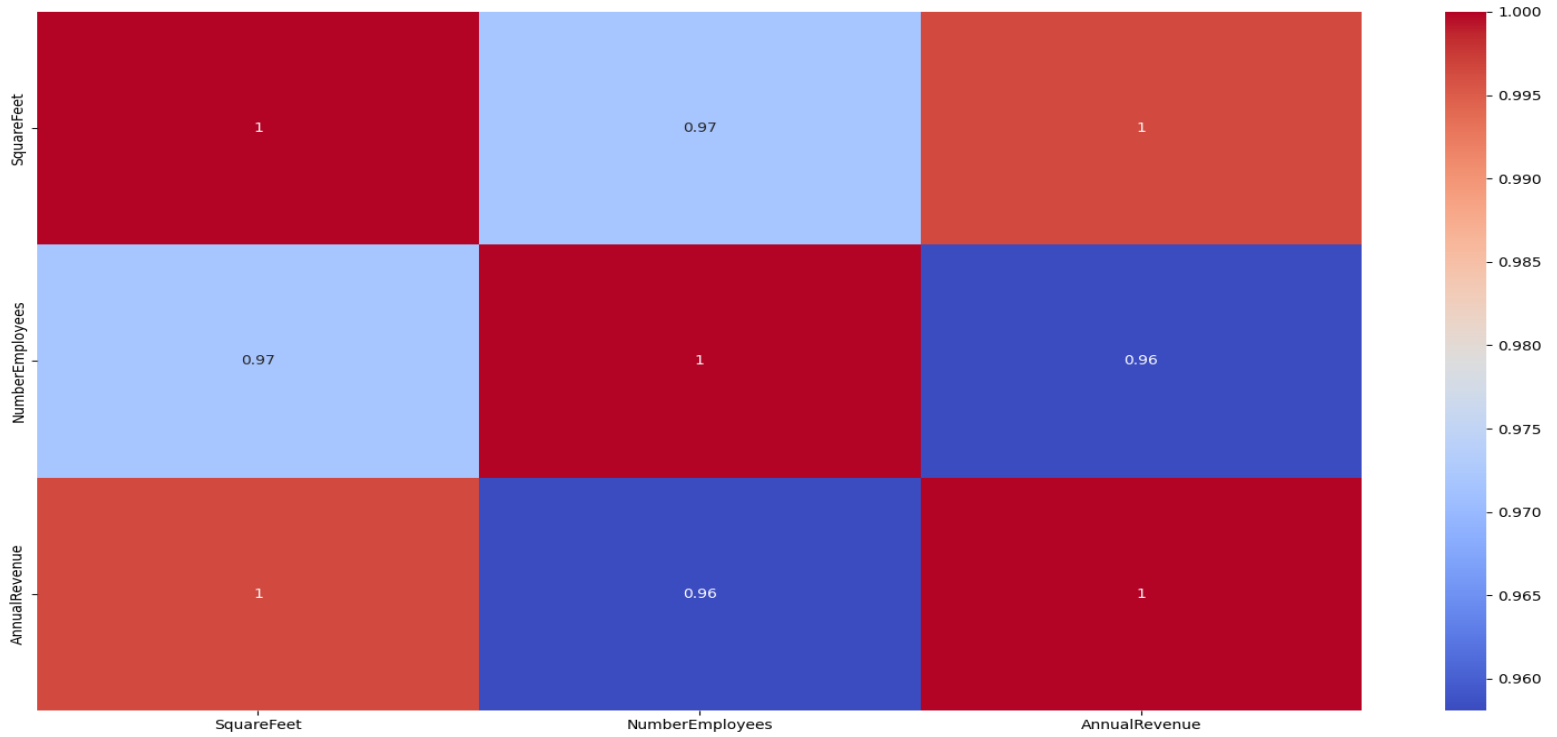
What is the relationship between the size of the stores, number of employees and revenue?

- 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



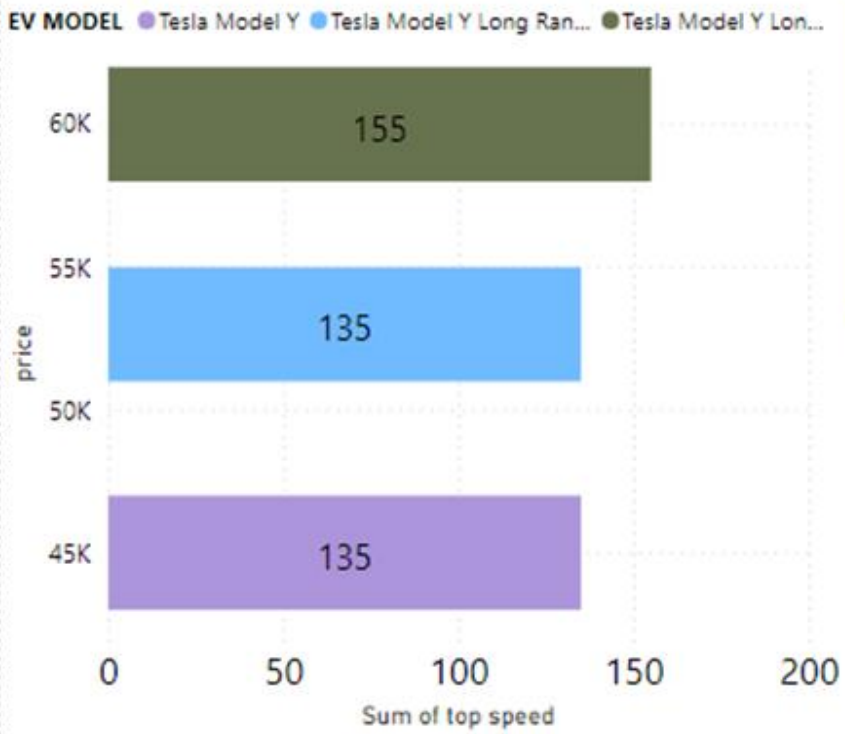
Further exploration of the relationship between the size of the stores, number of employees and revenue?

CORRELATION MATRIX

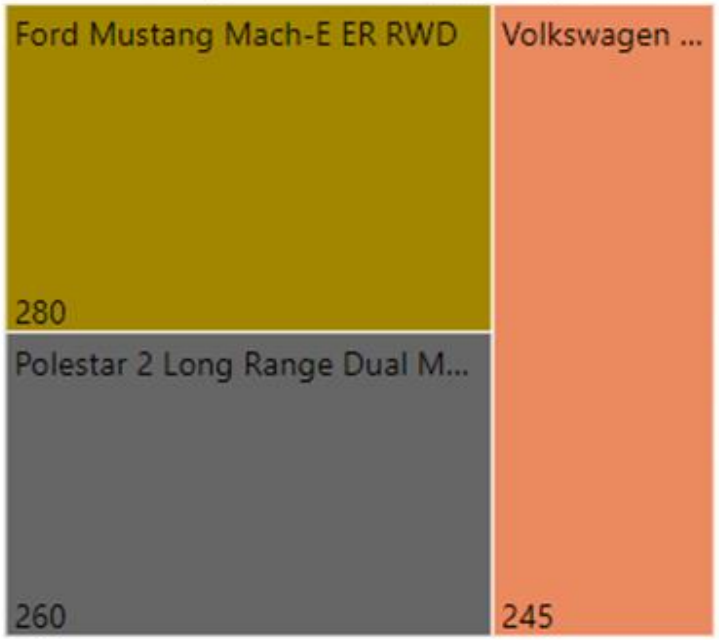


Analysis of Non-Tesla EV Models, to determine top competitor for best-selling Tesla Y EV Model in terms of range, price and top speed

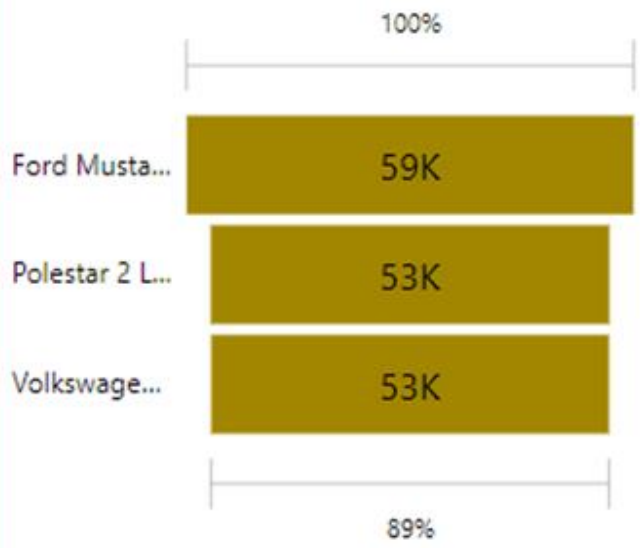
Sum of top speed by price and EV MODEL



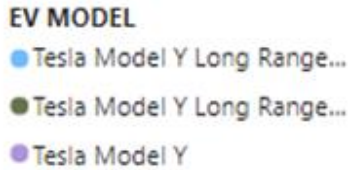
Sum of max range and Sum of top speed by EV MODEL



Sum of price by EV MODEL



Sum of max range by EV MODEL



- Within the Tesla Y range – '**Tesla model Y long range performance**' was the best-selling brand having total price of £59,990
- Using 'Tesla model Y long range performance' as the basis for comparison, we find that '**Polestar 2 Long Range Dual Motor**' is the two top non-tesla EV cars with the best competitive advantage.
- Polestar 2 Long Range Dual Motor is the best EV car in terms of price and speed, while '**Ford Mustang Mach - E ER RWD**' gives better value for money in terms of max range (number of miles per charge)