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Data Visualisation with Power BI

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Data Visualisation with Power BI | Final Quiz

Adam Fraser February 3, 2020

Results

5 of 7 questions answered correctly

YOUR TIME:
00:06:05

You have reached 5 of 7 point(s), (71.43%)

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Participants 711

Darius S

How should you interpret the correlation coefficient of 0.87 between the variables of height and weight?

- Height and weight are not correlated
- Height and weight are strongly negatively correlated
- Height and weight are strongly positively correlated
- Height and weight are moderately positively correlated

Correct

Which of the below statements are correct interpretations of the below correlation plot?

	GDP per person	Healthy life expectancy	Social support
GDP per person	1		
Healthy life expectancy	0.67	1	
Social support	0.58	0.68	1

- All three variables are strongly positively correlated to one another

gary smith

Aaron Harmer

AlanAndres

Aaron

- [x] 'GDP per person' is more positively correlated with 'Healthy life expectancy' than it is with 'Social support'
- [x] 'Healthy life expectancy' is moderately positively related to 'Social support'
- [ ] No correlation between these variables exist

Correct

Using the below dataset showing course enrolments

Course enrollments

Male	Female	Total
21	37	58

Match the correct calculations against the statements

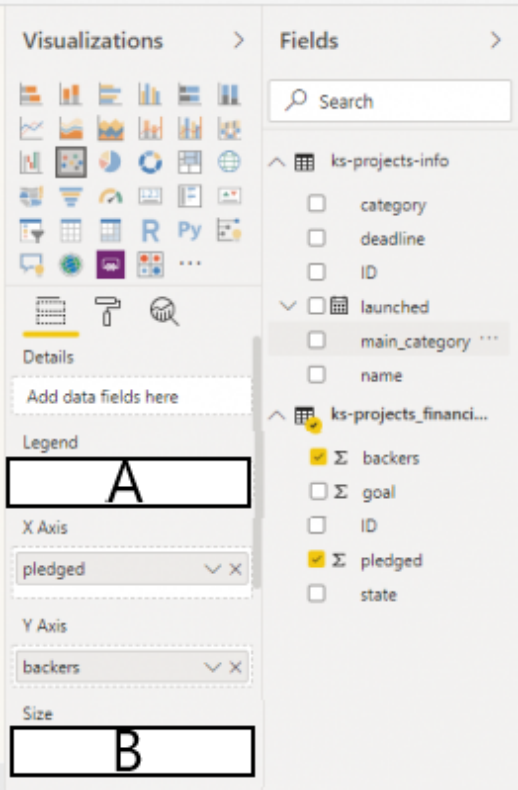
Sort elements

The percentage of total enrolments which are Male	36.21%
The percentage of total enrolments which are Female	63.79%
There are X percentage more females enrolments than male enrolments	27.58%
Against total enrolments, female enrolments represent X more percentage points male enrolments	76.19%

Incorrect

Match the configuration you would need to create a bubble plot in PowerBI where:

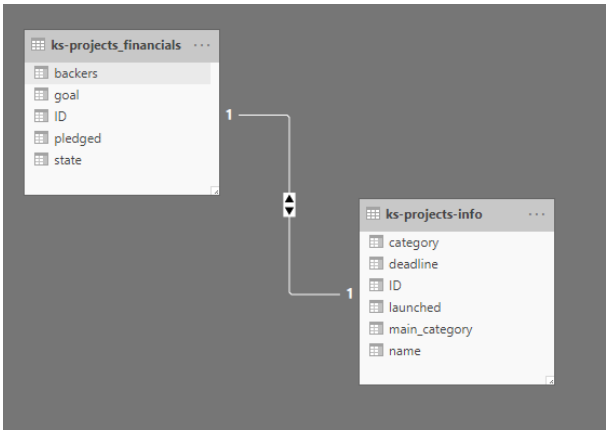
- The size of the bubbles are related to the goal amount and:
- The bubbles are coloured according to the main_category



Sort elements

A	main-category
B	goal
unused	ID

Correct



What is this data model displaying?

- Two tables exist in the model, permanently joined by the field of "ID"
- The two tables in the model are connected by the common field of "ID"
- The ks_projects_financials table is the primary table

Correct

Select common examples where statistics/ visualisations are used in a misleading manner.

- Using percentage difference in any circumstance

- [x] Data explained out of context
- [ ] Data explained in context
- [x] Axis not set to 0
- [x] Correlation confused with causation

Correct

Match the best choice of visualisation to the purpose

Sort elements

Plotting data over time	**Line graph**
Comparing categorical variables	**Scatter plot**

Comparing multiple dependant variables against one independent variable	Clustered column or stacked column graph
Displaying the relationship between two variables	Bar or column graph
Displaying the relationship between three variables	Bubble plot

Incorrect