

Exercise Description

Scenario: Recommendation for Vehicle Purchase

Sue intends to buy a vehicle. She has a list of ten potential vehicles available for purchase. She has expressed certain criteria that are important in her decision. Using the vehicle data and the Sue's priorities, provide one or more recommendations (with justification) on which vehicle best suits her needs.

Problem Parameters

1. Sue belongs to a family of three, and also has a dog.
2. This will be the family's primary mode of transportation.
3. Sue intends to own the vehicle until the odometer reads 250,000km.
4. Fuel efficiency is a factor, as Sue expects roughly 25,000km of annual driving.
5. Storage space is important due to long-distance visits to family, camping trips etc.
6. Sue's considers the vehicle's safety rating of utmost importance, and the total cost of owning and operating the vehicle as her second most important factor in the decision.

Data: Vehicles for Sale

Refer to "Vehicle Test Data" CSV

Evaluation of Success

Use your visualization tool of choice, and take the time you need. *There is no single right answer; we ask that your answer be easily defensible.*

Evaluation	Criteria
Visual Design	<input type="checkbox"/> Publication ready (ie. magazine worthy) <input type="checkbox"/> Uses information design best practices
Narrative	<input type="checkbox"/> Logical flow to layout <input type="checkbox"/> Coherent message
Analysis	<input type="checkbox"/> Method is logical <input type="checkbox"/> Correct calculations
Documentation	<input type="checkbox"/> Show your work, assumptions, thought process.
Presentation	<input type="checkbox"/> The audience feels confident about the conclusion and accuracy. <input type="checkbox"/> The presenter is comfortable and clear