
Assessment 3 Case Study 4 Brief

Lynette is interested in finding a sedan car for work. Below is the summary of her criteria and the choices that she has selected as potential cars that she may purchase. She wants you to find out the best alternative based on these data.

Note: Calculate the data given below in the same way as the rating scale. There is no need to convert the data into the rating scale before the calculation.

Criteria	Weight	Toyota Camry	Volkswagen Passat	Mazda 6	Hyundai Sonata	Objective
Drive-away price	8	\$51,673	\$57,399	\$55,040	\$55,692	Min
Engine size (L)	3	2.5	2.0	2.5	2.5	Max
Fuel tank capacity (L)	5	50	66	62	60	Max
Power:Weight (W/kg)	5	97.3	108.3	104.8	130.2	Max
Max torque (Nm)	4	221	350	420	422	Max
Fuel consumption (L/100km)	7	4.7	6.9	7.6	8.1	Min
Service cost (5 yr)	6	\$1,940	\$2,692	\$2,310	\$1,446	Min