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SOURCE OF DATA

Based on Consumer Reports Auto Annual Survey

- Five-year owner costs
- Expenses (fuel, maintenance)
- 50 evaluations & tests
- 20 Sedans



PREDICTOR VARIABLES



DESCRIPTIVE STATISTICS

STATISTIC	Price	Cost/Mile	Road-Test Score	Predicted Reliability	Value Score
MEAN	26,886.20	0.64	80.45	3.75	1.46
STANDARD DEVIATION	3,374.28	0.06	9.902	0.64	0.20
SAMPLE VARIANCE	11,385,793.54	0.00	98.05	0.41	0.04
MINIMUM	21,800.00	0.56	52.00	3.00	1.05
MAXIMUM	32,360.00	0.74	93.00	5.00	1.75



INTRODUCTION

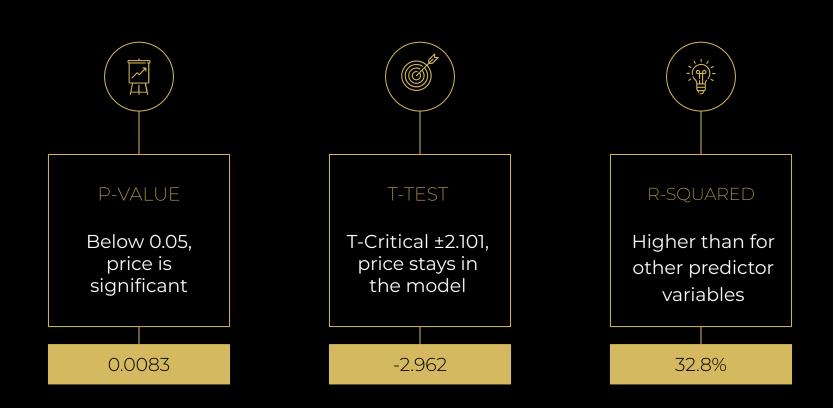
Our report considers the variables of Price, Cost per Mile, Road-Test Score, and Predicted Reliability to predict the value score.

VALUE SCORE VS. PRICE

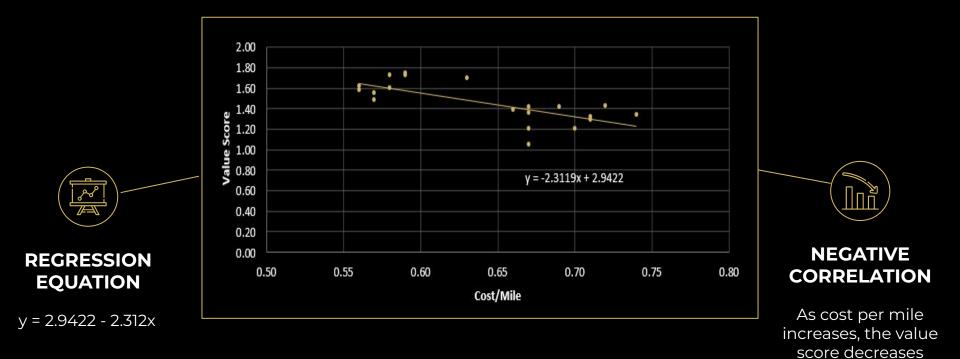


decreases

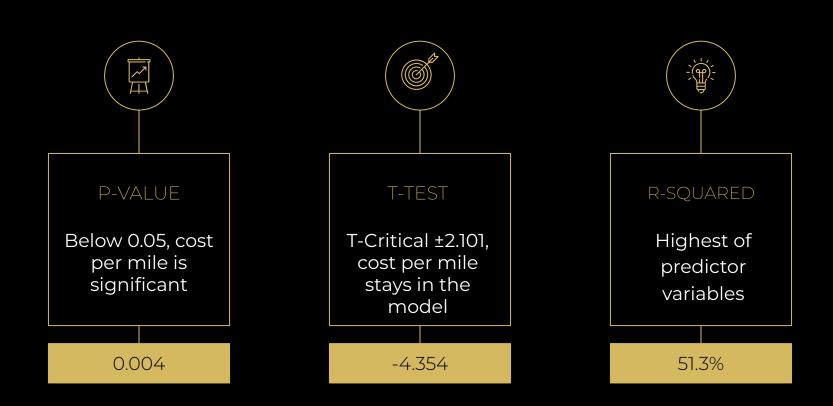
VALUE SCORE VS. PRICE



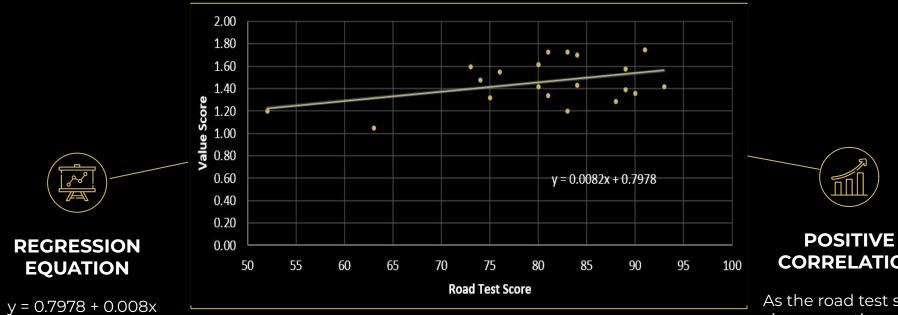
VALUE SCORE VS. COST PER MILE



VALUE SCORE VS. COST PER MILE



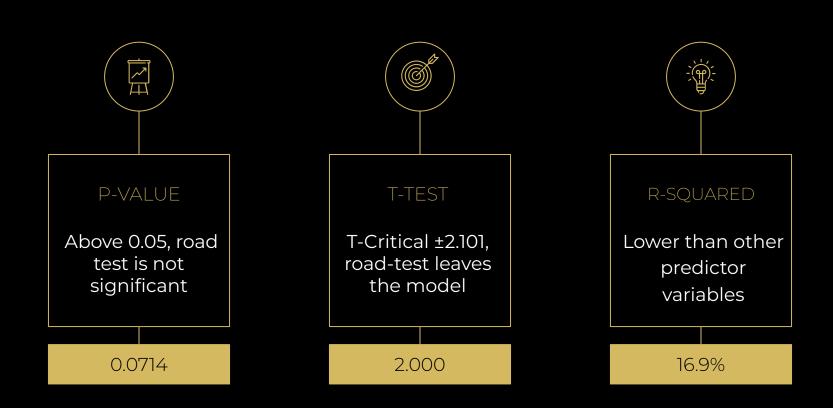
VALUE SCORE VS. ROAD TEST



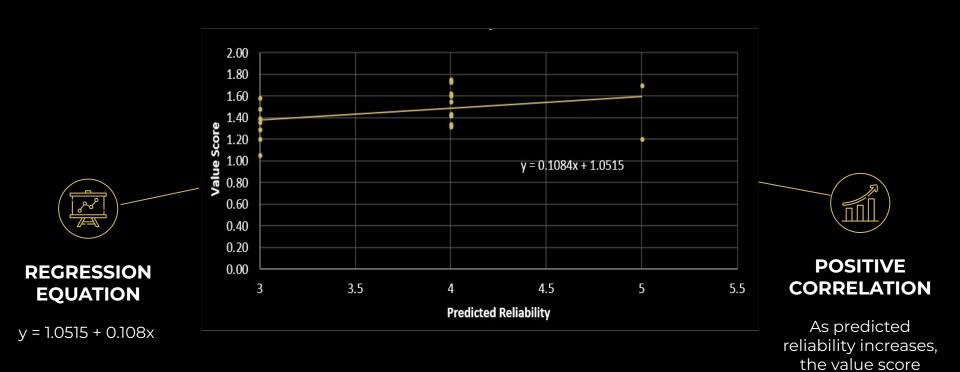
CORRELATION

As the road test score increases, the value score increases

VALUE SCORE VS. ROAD TEST

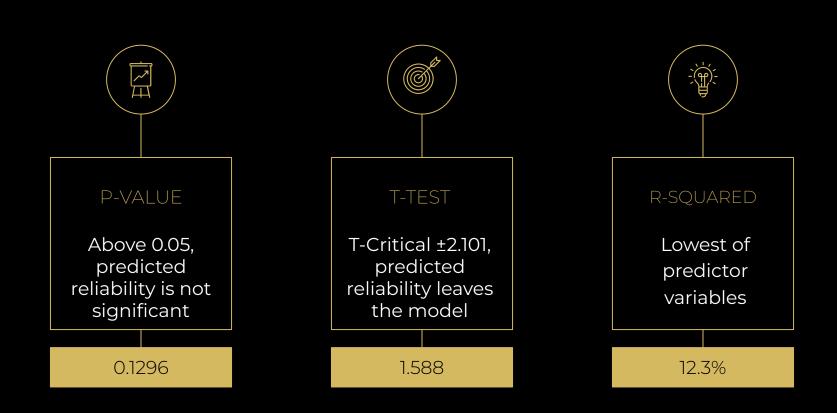


VALUE SCORE VS. PREDICTED RELIABILITY



increases

VALUE SCORE VS. PREDICTED RELIABILITY







CORRELATIONS

The price and cost per mile **have influence** over the value score and **must stay** in the model.

The price and cost per mile aligned by both having P-values less than 0.05 and t-estimates less than -2.101.

R-SQUARED

PREDICTED RELIABILITY
12.3%

- ROAD TEST

16.9%

PRICE

32.8%

COST PER MILE

RECOMMENDATION



Build a new model that considers both price and cost per mile to predict the value score.

THANKS

Any questions?