

**HYPOTHESIS: HIGHER INCOME PERSONS DRIVE MORE EXPENSIVE CARS**

Independent variable: income  
 Measure: Student or faculty/staff  
 Categorical/nominal

**Income → Car Value**

Dependent variable: car value  
 Measure: Car value, L, M, H  
 Categorical/ordinal

STUDENT LOT

Case no.  
 1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_  
 4 \_\_\_\_\_  
 5 \_\_\_\_\_  
 6 \_\_\_\_\_  
 7 \_\_\_\_\_  
 8 \_\_\_\_\_  
 9 \_\_\_\_\_  
 10 \_\_\_\_\_

FACULTY/STAFF LOT

Case no.  
 1 \_ 4 \_\_\_\_  
 2 \_ 5 \_\_\_\_  
 3 \_ 2 \_\_\_\_  
 4 \_ 5 \_\_\_\_  
 5 \_ 2 \_\_\_\_  
 6 \_ 1 \_\_\_\_  
 7 \_ 4 \_\_\_\_  
 8 \_ 4 \_\_\_\_  
 9 \_ 5 \_\_\_\_  
 10 \_ 1 \_\_\_\_

**Recode 1 & 2 = LOW    3 = MED    4 & 5 = HIGH**

FREQUENCIES

CAR VALUES →	LOW	MED	HIGH	
LOW INC. (STUDENT LOT)				
HIGH INC. (F/S LOT)				

PERCENTAGES

CAR VALUES →	LOW	MED	HIGH	
LOW INC. (STUDENT LOT)				
HIGH INC. (F/S LOT)				

CHI-SQUARE

$$X^2 = \sum \frac{(O - E)^2}{E}$$

FREQUENCIES OBSERVED

	LOW	MED	HIGH	
LOW – Student lot				
HIGH - F/S lot				

FREQUENCIES EXPECTED

	LOW	MED	HIGH	
LOW – Student lot				
HIGH - F/S lot				

$$X^2 = \sum \frac{(O - E)^2}{E} = \frac{( \quad - \quad )^2}{\quad} + \frac{( \quad - \quad )^2}{\quad} + \frac{( \quad - \quad )^2}{\quad} + \frac{( \quad - \quad )^2}{\quad} + \frac{( \quad - \quad )^2}{\quad} + \frac{( \quad - \quad )^2}{\quad} =$$

OPERATIONALIZED CAR VALUES

LOW: \$1 to \$25,000

- Low end: Beaters
- High end: New or less than 2 years old Toyota Corolla or smaller, Nissan Altima or smaller, Mazda 323, Hyundai Sonata, compact American cars (Cavalier, Geo, Grand Am, etc.); near-luxury in excellent condition and less than 4 years old; older luxury in excellent condition (does not meet standards of higher category); older prestige in good condition (does not meet standards of higher category)

MED: More than \$25,000 to \$35,000

- New or less than 2 year old Toyota Camry, Nissan Maxima, Mazda 626, Chevy Camaro, Pontiac Bonneville, Grand Prix and Firebird, Chevrolet Impala, Ford LTD, Ford Explorer, and similar full and mid-sized domestic cars, minivans and SUV's
- Luxury in excellent condition and less than 4 years old
- Older Prestige in excellent condition (does not meet standards of higher category)

HIGH: More than \$35,000

- New or less than 2 year old Lexus ES, smaller Infinity, lesser Mercedes or BMW, Corvette, Toyota Supra, Nissan 280Z, Mazda 929 or Millenia, Buick Century, Mitsubishi Diamante or 3000GT, Ford Expedition, Jeep Grand Cherokee, and similar cars and SUV's
- Prestige in excellent condition and less than 4 years old
- Older exceptionally expensive vehicles in good condition
- New or less than 2 year old Mercedes 300 series or higher, BMW 300 series or higher, Lexus LS or GS, full-sized Infinity, Cadillac STS, Lincoln MK-series or Continental, prestige SUV's including Mercedes, Range Rover and Lincoln Navigator, and similar cars and SUV's, other exceptionally expensive vehicles in excellent condition, including BMW 700-series and above and Mercedes 500 series and above