

### **Data description and instructions:**

Specifications and information are provided for 93 new car models of 1995 year. Perform a data analysis using any methods that you think are appropriate for these data. You should first specify what meaningful and interesting questions you will focus on. You do not need to include all variables in your analysis or restrict to any single one method.

#### **VARIABLE DESCRIPTIONS:**

1. Manufacturer
2. Model
3. Type  
Small, Sporty, Compact, Midsize, Large - as defined in the  
\_Consumer Reports\_ article
4. Minimum Price (in \$1,000) - Price for basic version of this model
5. Midrange Price (in \$1,000) - Average of Min and Max prices
6. Maximum Price (in \$1,000) - Price for a premium version
7. City MPG (miles per gallon by EPA rating)
8. Highway MPG
9. Air Bags standard  
0 = none, 1 = driver only, 2 = driver & passenger
10. Drive train type  
0 = rear wheel drive  
1 = front wheel drive  
2 = all wheel drive
12. Number of cylinders
13. Engine size (liters)
13. Horsepower (maximum)
14. RPM (revs per minute at maximum horsepower)
15. Engine revolutions per mile (in highest gear)
16. Manual transmission available  
0 = No, 1 = Yes
17. Fuel tank capacity (gallons)
18. Passenger capacity (persons)
19. Length (inches)
20. Wheelbase (inches)
21. Width (inches)
22. U-turn space (feet)
23. Rear seat room (inches)
24. Weight (pounds)
25. Domestic?  
0 = non-U.S. manufacturer, 1 = U.S. manufacturer