

The data set used for all of the following questions can be found in the files:
<http://www.stat.sc.edu/~habing/courses/data/oildata.txt>

The data is from a survey conducted following the 1973-74 Arab oil embargo that caused dramatic increases in oil prices. The results in the file are for the 416 respondents who replied to all of the questions. The questions can be broken down into three sections: demographics, rating the importance of features of different types of transportation, and an opinion questionnaire about the recent oil shortage.

Section 1: Demographic Information

<u>Gender</u>	1=Male	2=Female				
<u>Marital</u> Status	1=Married	2=Not Married				
<u>Age</u>	1= <18	2= 18-25	3=26-35	4=36-45	5=46-65	6= >65
<u>Income</u>	1= under \$20,000	2= \$20,000-\$30,000	3= over \$30,000			

Section 2: Ratings of how several factors affect the mode of transportation (car, bus, taxi) they take to work and or school. The ratings are from 25=most important to 1=least important

<u>Economy</u>
<u>Convenience</u>
<u>Flexibility</u>
Being <u>Safe</u> from Dangerous People
<u>Low</u> Energy Use
<u>Dependability</u>

Section 3: Twenty questions concerning their opinions on the energy crisis. 5=strongly agree to 1=strongly disagree.

- Q1. If the energy shortage gets any worse, the country will be in bad shape.
- Q2. The worst of the energy crisis has passed.
- Q3. Science and technology will be able to resolve the energy crisis without conservation.
- Q4. Saving energy requires you to make major sacrifices.
- Q5. The energy crisis is for real.
- Q6. Utility companies should be allowed to burn cheaper fuel even though this would cause more pollution.
- Q7. The petroleum companies have not done all they can to solve the energy problem.
- Q8. Congress has done all it can to solve the energy problem.
- Q9. Rationing of energy resources will be necessary for at least the next five years.
- Q10. Conserving electricity will save me money in the long run.
- Q11. The natural gas companies have done all they can to solve the energy problem.
- Q12. My electricity bill would be the same no matter what I did.
- Q13. There is not much an average citizen can do to save electricity.
- Q14. President Carter has done all he can to solve the energy problem.
- Q15. At this point in time our traditional energy resources (coal, oil, natural gas, etc.) are insufficient to continue energy consumption at the present rate.
- Q16. It would be easy for me to cut down on the use of electricity in my home.
- Q17. We should forget about reducing pollution until our energy problems are solved.
- Q18. My personal conservation efforts have little impact on total consumption of energy.
- Q19. Because of the abundance of coal, industries should be encouraged to switch to coal as a fuel despite the air pollution it causes.
- Q20. The electric companies have not done all they can to solve the energy problem.