College Characteristics

Task Statement 1

1. Here are the characteristics of colleges for which we have data:
   Choose two that could be related. What do you predict is the relationship between them?
   - College ownership: public, private non-profit, or private for-profit
   - Average SAT score of admitted students
   - Acceptance rate
   - Number of enrolled students
   - Average cost of attendance per year
   - Median earnings 10 years after graduation
   - Highest degree awarded
   - Completion rate
   - Percentage earning more than a high school graduate
   - Median ACT score of admitted students
2. Take a look at the data in the spreadsheet. Before calculating, do some estimation, based on the data. Can you tell if your hypothesis seems reasonable?
3. Use an appropriate display to summarize the data.
4. Analyze your graph or table and complete any other needed calculations. Do your results confirm your prediction? If not, what do you think explains the results?
5. Here are some headlines. What analysis do you think the article describes? Give some examples of evidence that would support the headline or contradict it.
   a. "Students from Selective Colleges Tend to Succeed"
   b. "Isolation at Larger Colleges Leads to Higher Dropout Rates"
   c. "High Cost of Private Colleges Not Outweighed by Lifetime Earnings"
   d. "Live Longer by Going to College"

College Characteristics

Task Statement 2

1. Here are the characteristics of colleges for which we have data about:
   Choose two that could be related. What do you predict is the relationship between them?
   - College ownership: public, private non-profit, or private for-profit
   - Average SAT score of admitted students
   - Acceptance rate
   - Number of enrolled students
   - Average cost of attendance per year
   - Median earnings 10 years after graduation
2. Take a look at the data in the spreadsheet. Before calculating, do some estimation, based on the data. Can you tell if your hypothesis seems reasonable?
3. Use an appropriate display to summarize the data.
4. Analyze your graph or table and complete any other needed calculations. Do your results confirm your prediction? If not, what do you think explains the results?
5. Here are some headlines. What analysis do you think the article describes? Give some examples of evidence that would support the headline or contradict it.
   a. “Students from Selective Colleges Tend to Succeed”
   b. “Isolation at Larger Colleges Leads to Higher Dropout Rates”
   c. “High Cost of Private Colleges Not Outweighed by Lifetime Earnings”
   d. “Live Longer by Going to College”