

▶ Chapter 8: Exercise Video - Confidence Interval for a Proportion

▶ Chapter 8: Exercise Video - Confidence Interval for a Proportion Using the TI-84 PLUS

22. Internet service: An Internet service provider sampled 540 customers and found that 75 of them experienced an interruption in high-speed service during the previous month.

- Find a point estimate for the population proportion of all customers who experienced an interruption.
- Construct a 90% confidence interval for the proportion of all customers who experienced an interruption.
- The company's quality control manager claims that no more than 10% of its customers experienced an interruption during the previous month. Does the confidence interval contradict this claim? Explain.