Bookmark

Reflect on the Question ✓ Analyze the Data ✓ Draw Conclusions

Primary Research Question

Denmark is a high-income country in Europe of about 5.5 million people. What is the **best-fitting model** for growth of internet usage in Denmark since 1990?

(6/7 points)

Write Your Conclusion

Answer the question and support your answer with statistics:

After using both an exponential and a logistic function to model Denmark's growth of internet usage since 1990, we found that the logistic ✓ **Answer:** logistic model fit better with a high R-squared value of .995 ✓ **Answer:** .995 , compared to an R-squared value of .800 ✓ **Answer:** .800 for the exponential model. In addition, it is visually clear from the graphs that the logistic model fit the observed data better than the exponential model. All of this suggests that we should trust predictions from the logistic model more than predictions from the exponential model. The exponential model suggests that in 1990, there was a predicted proportion of .00585 ✓ **Answer:** .00585 of Denmark's population that used internet, with the proportion of internet users increasing by a factor of 1.347 ✗ **Answer:** 1.731 every year after 1990, on average. The logistic model shows that the predicted carrying capacity ✓ **Answer:** carrying capacity of the proportion of people who use internet in Denmark was .8967. Since the logistic model fits better, the proportion of internet users in Denmark will probably eventually level off ✓ **Answer:** level off rather than continuing to grow exponentially.

You have used 1 of 1 submissions

Function Models

Readings
Reading Check due Mar 15, 2016 at 18:00 UTC

Lecture Videos
Comprehension Check due Mar 15, 2016 at 18:00 UTC

R Tutorial Videos

Pre-Lab
Pre-Lab due Mar 15, 2016 at 18:00 UTC

Lab
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Problem Set
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