



[Course](#) > [Week...](#) > [Lab](#) > Draw...

Draw Conclusions

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?

problem

7/7 points (graded)

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



model fit better with a high R-squared value of

.995



, compared to an R-squared value of

.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 ✓ of Denmark's population that used internet, with the proportion of internet users increasing by a factor of ✓ every year after 1990, on average. The logistic model shows that the predicted ✓ 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 ✓ rather than continuing to grow exponentially.

You have used 1 of 1 attempt

✓ Correct (7/7 points)

© All Rights Reserved