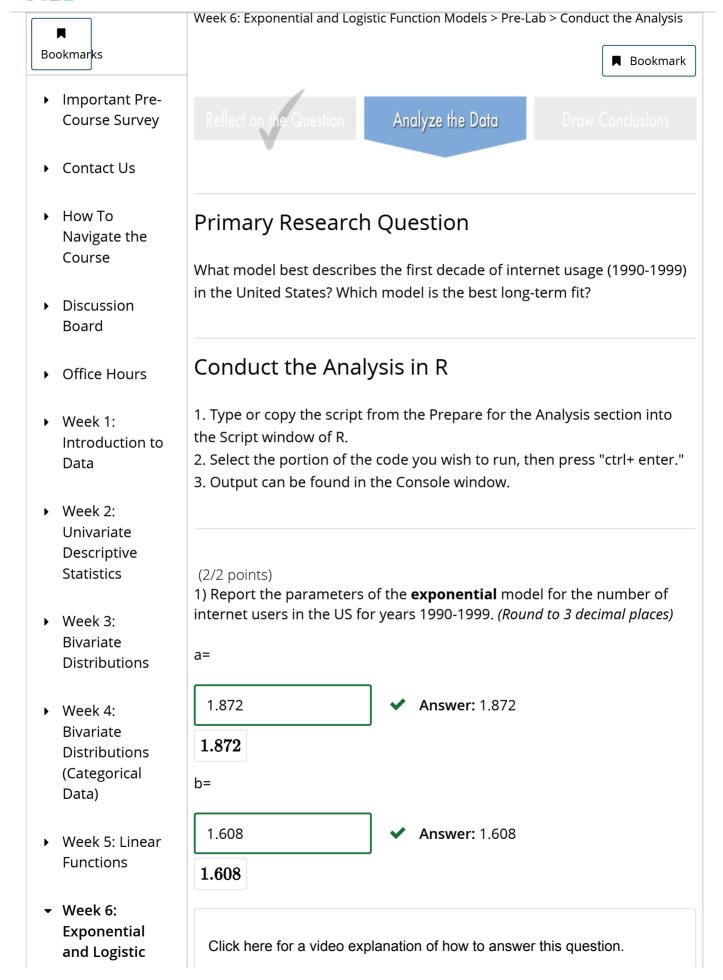


UTAustinX: UT.7.10x Foundations of Data Analysis - Part 1



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

Lab due Mar 15, 2016 at 18:00 UTC

Problem Set

Problem Set due Mar 15, 2016 at 18:00 UT You have used 1 of 1 submissions

(2/2 points)

2) Report these parameters of the **logistic** model for the number of internet users in the US for years 1990-1999. (Round to 1 decimal place)

C=

127.8 **✓** Answer: 127.8

a=

121.4 **Answer:** 121.4

121.4

Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

(1/1 point)

3) What was the actual number of internet users (in millions) in the United States in 2006? (Round to 1 decimal place)

205.7 **Answer:** 205.7

205.7

Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

(4/4 points)

How well did the exponential and logistic models predict the number of internet users in 2006?
4a) The exponential model predicted million users in 2006. The residual was
3756 ▼
-3550 ▼
4b) The logistic model predicted million users in 2006. The residual was
127.5 ▼ Answer : 127.5
78.2 ▼
Click here for a video explanation of how to answer this question.
You have used 1 of 1 submissions
(1/1 point) 5) Based on the model residuals for 2006, which model do you think does a better job of predicting (long-term) the number of internet users?
Both models predict the number of internet users in 2006 equally well.
The exponential model.
The logistic model. ✓
Neither model is a good fit for the data.
Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

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