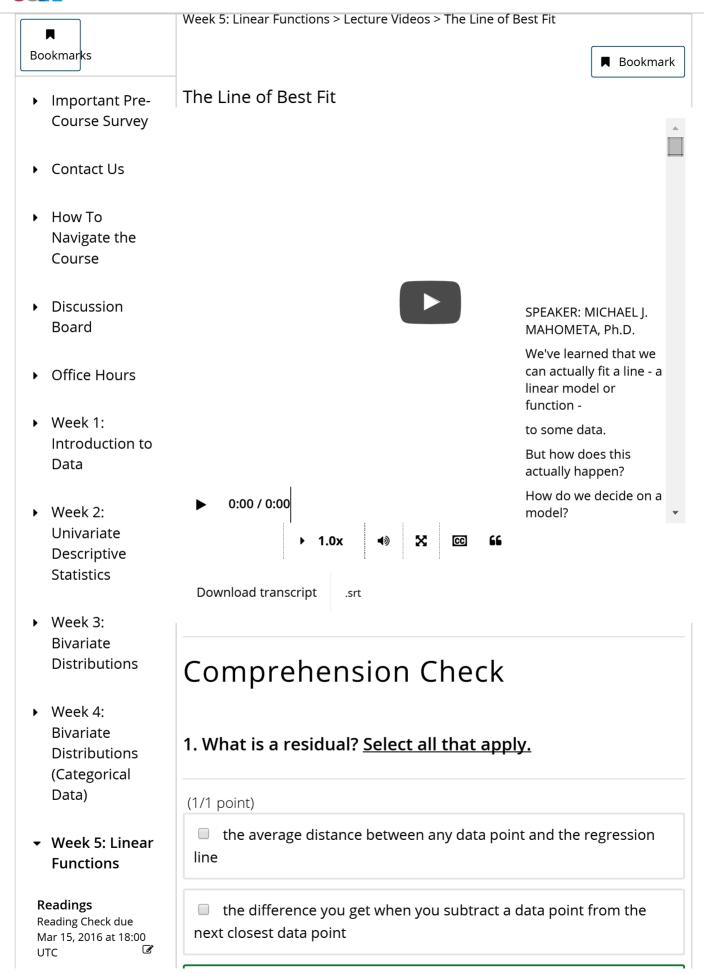


# UTAustinX: UT.7.10x Foundations of Data Analysis - Part 1



# **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 🗹

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best	t fit	<b>~</b>					

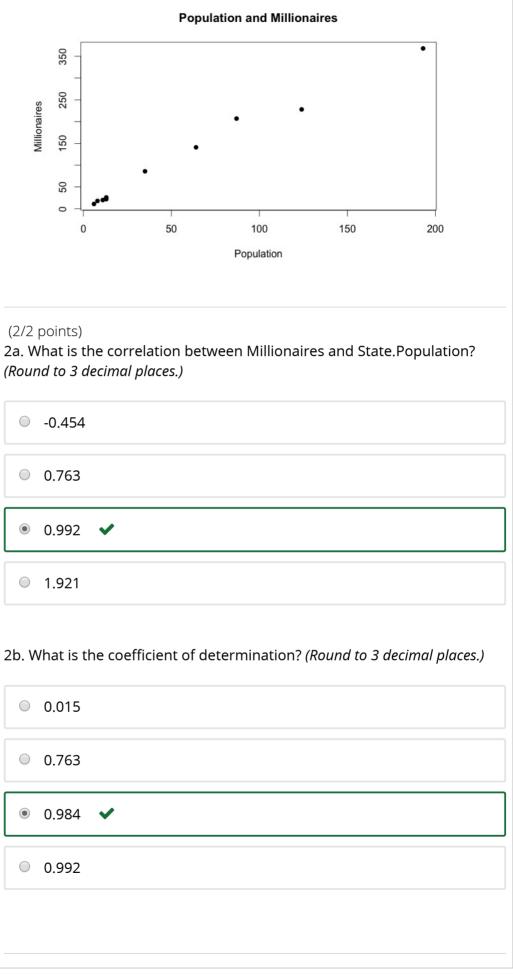
<b>e=y-ŷ</b>	<b>~</b>			

2. Do states with higher populations have more millionaires? Here is data from 2008. The variable labeled "Population" in the table and scatterplot will be referred to as "State.Population" in the questions that follow in order to avoid confusion with the meaning of "population" as a concept in statistics.

State	Millionaires (in thousands)	Population (in hundreds of thousands)	
Connecticut	86	35	
Delaware	18	8	
Maine	22	13	
Massachusetts	141	64	
New Hampshire	26	13	
New Jersey	207	87	
New York	368	193	
Pennsylvania	228	124	
Rhode Island	20	11	
Vermont	11	6	

Using linFit(), the following linear model is found:

Millionaires = 6.296 + (1.921 \* State.Population)



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