

MITx: 14.310x Data Analysis for Social Scientists

Help



- Module 1: The Basics of R and Introduction to the Course
- ▶ Entrance Survey
- Module 2:

   Fundamentals of
   Probability, Random
   Variables,
   Distributions, and Joint
   Distributions
- Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates

# Gathering and Collecting Data

Finger Exercises due Oct 17, 2016 05:00 IST Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates > Summarizing and Describing Data > An Example: The Income Distribution - Quiz

# An Example: The Income Distribution - Quiz

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#### Question 1

1 point possible (graded)

What would the distribution of earnings in California look like if there were no top-coding?

- a. identical, except for the bump which would simply be removed from the figure
- b. the bump would be equally distributed across all other bins
- c. the height of the bump would be added to the mode of the distribution
- d. identical for all points strictly below the bump, but with a very long right tail

## **Explanation**

Top-coding implies that income levels greater than a certain amount are recoded such that, earnings greater than a specified amount are replaced by some maximum. As Professor Duflo explained in class, this is why there is small peak "bump" at the right tail of the distribution.

## Summarizing and Describing Data

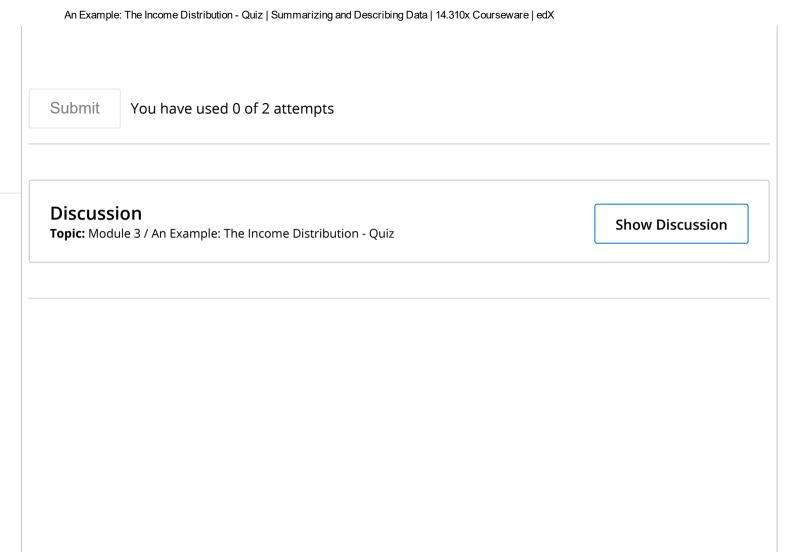
Finger Exercises due Oct 17, 2016 05:00 IST

**B** 

Module 3: Homework

<u>Homework due Oct 10, 2016</u> 05:00 IST

- Module 4: Joint,
   Marginal, and
   Conditional
   Distributions &
   Functions of Random
   Variable
- Module 5: Moments of a Random Variable,
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- Module 6: Special
   Distributions, the
   Sample Mean, the
   Central Limit Theorem,
   and Estimation



- Module 8: Causality,
   Analyzing Randomized
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   Nonparametric
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- Module 9: Single and Multivariate Linear Models
- Module 10: Practical
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   Regressions, and
   Omitted Variable Bias
- Module 11: Intro to
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- Module 12: Endogeneity,

<u>Instrumental Variables,</u>
and Experimental
<u>Design</u>

- Exit Survey
- **▶** Final Exam

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