



Bookmarks

- ▶ [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](#)
- ▶ [Module 4: Joint, Marginal, and Conditional Distributions &](#)

Module 11: Intro to Machine Learning and Data Visualization > Visualizing Data > Goals of Data Visualization - Quiz

Goals of Data Visualization - Quiz

[Bookmark this page](#)

Question 1

1/1 point (graded)

Which of the following is not an example of data visualization according to Robert Kosara's definition? (Select all that apply)

☒ a. Summary statistics tables☐ b. Histograms☐ c. Scatter plots☒ d. Satellite images

Explanation

Recall Robert Kosara's definition of data visualization:

- Based on (non-visual) data. (This rules out D)
- Produces an image. (This rules out A)

Functions of Random Variable

- ▶ Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression
- ▶ Module 6: Special Distributions, the Sample Mean, the Central Limit Theorem, and Estimation
- ▶ Module 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing
- ▶ Module 8: Causality, Analyzing Randomized Experiments, & Nonparametric Regression
- ▶ Module 9: Single and Multivariate Linear

- The results must be readable and recognizable.

Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

Question 2

0/1 point (graded)

True or False: Since your visualizations tell the story of your data, visualization should be accompanied with a relevant explanation, and should never be shown alone.

☒ a. True ✗

☐ b. False

Explanation


Ideally your visualizations should be self-explanatory, such that they are easily interpretable and clearly represent the story of your data that you wish to convey to the reader. This is important, since often times when someone reads a paper, they may only look at the graph or table presented, and not necessarily the accompanying text.

Models


- ▶ Module 10: Practical Issues in Running Regressions, and Omitted Variable Bias

- ▼ Module 11: Intro to Machine Learning and Data Visualization


Machine Learning I

Finger Exercises due Dec 12, 2016
05:00 IST 

Machine Learning II

Finger Exercises due Dec 12, 2016
05:00 IST 

Visualizing Data

Finger Exercises due Dec 12, 2016
05:00 IST 

- ▶ Module 12: Endogeneity, Instrumental Variables, and Experimental Design
- ▶ Exit Survey

Submit

You have used 1 of 1 attempt

✘ Incorrect (0/1 point)

Discussion

Topic: Module 11 / Goals of Data Visualization - Quiz

Show Discussion



© 2016 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

