

Question 16

Correct

Mark 1.00 out of 1.00

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In density based approaches, the whole point is to...

- ☐ a. Establish a clear idea of the evolution of layout
- ☐ b. Deal with sparse datasets
- ☐ c. Identify values for individual items
- ☒ d. Look at overall patterns in the dataset ✓

Your answer is correct.

Question 17

Correct

Mark 1.00 out of 1.00

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In a barchart, why are bars usually aligned?

- ☐ a. Because that was the practice when we drew them by hand.
- ☐ b. They are not always aligned...
- ☐ c. Tidyness
- ☒ d. To facilitate comparisons ✓

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00

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You are going to design a radar chart for a dataset where each item has 4 attributes:

- speed (0-200)
- autonomy (1-25)
- computing power (0-10)
- weight (100-500)

In the radar plot, how would you make the axes?

- ☒ a. value at the center depends on the attribute ✓
- ☐ b. Lower value at the edge, bigger at the center
- ☐ c. Make all axes horizontal
- ☐ d. Lower value at the center, larger on the edge

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00

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What are line charts primarily good for?

- ☐ a. Showing correlations
- ☒ b. Seeing the evolution of a value ✓
- ☐ c. Comparing different values
- ☐ d. Comparing the relative proportions of values

Your answer is correct.

Question 18

Correct

Mark 1.00 out of 1.00

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In a barchart, the most relevant visual encoding is...

- ☒ a. The length of the bars ✓
- ☐ b. The slope of the bars.
- ☐ c. The position of the bars
- ☐ d. The color of the bars

Your answer is correct.

Question 16

Correct

Mark 1.00 out of 1.00

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Small multiples are useful to...

- ☐ a. Handle sparse data
- ☒ b. Create visualizations for more complex datasets ✓
- ☒ c. Create less cluttered visualizations ✓
- ☐ d. Take less space

Your answer is correct.

Question 17

Correct

Mark 1.00 out of 1.00

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For Bertin Matrices, one important thing to consider is...

- ☐ a. The size of the dataset
- ☒ b. The order of the rows and columns ✓
- ☐ c. The **color** of the cells
- ☐ d. The names of the cells

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00

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List can be a visualization in themselves?

- ☐ a. No, they are not expressive enough.
- ☐ b. Yes, for univariate data.
- ☒ c. Yes, especially if we're using scented widgets. ✓
- ☐ d. No! They are just a list!

Your answer is correct.

Question 8

Partially correct

Mark 0.50 out of 1.00

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Why do bubble charts suck?

- ☐ a. Violate the expressiveness principle
- ☒ b. Areas are hard to compare ✓
- ☐ c. Hard to find a particular item
- ☒ d. Bubbles affect the perception of those next to them ✓

Your answer is partially correct.

You have correctly selected 2.

Question 6**Question 12**

Correct

Mark 1.00 out of 1.00

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Which of the following idioms are used to represent correlation?

In a barchart, why are bars usually aligned?

- ☐ a. Because that was the practice when we drew them by hand.
- ☒ b. To facilitate comparisons ✓
- ☐ c. Tidyness
- ☐ d. They are not always aligned...

Your answer is correct.

Question 10

Correct

Mark 1.00 out of 1.00

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What are line charts primarily good for?

- ☐ a. Comparing different values
- ☐ b. Showing correlations
- ☒ c. Seeing the evolution of a value ✓
- ☐ d. Comparing the relative proportions of values

Your answer is correct.

Question 11

Partially correct

Mark 0.50 out of 1.00

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Scatterplots are good to...

- ☒ a. Identify outliers ✓
- ☒ b. Identify correlations ✓
- ☐ c. Scale well with large numbers of items
- ☐ d. Represent many attributes at once

Your answer is partially correct.

You have correctly selected 2.

Question 3**Question 14**

Correct

Mark 1.00 out of 1.00

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A key difference between a bar chart and a histogram is...

Two common idioms are stacked bars and grouped bars. When should you use stacked bars?

- ☐ a. When you want to see the evolution of a value through time
- ☐ b. They are both equally good in the same situations.
- ☐ c. When you wish to compare individual values inside a group
- ☒ d. When the total is the most important measure ✓

Your answer is correct.

Question 15

Correct

Mark 1.00 out of 1.00

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You have two quantitative attributes, the times taken by 30 users to send an email, and the times it took them to access a web page. You want to show this data to understand if they take long or not, and how uniform was the user group in terms of times. You should use:

- ☐ a. A grouped barchart with a group for each user
- ☐ b. A barchart for the averages of both attributes, with error bars for the standard distribution.
- ☐ c. A barchart for the averages of both attributes
- ☒ d. A boxplot ✓

Your answer is correct.

Question 11

Correct

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[Flag question](#)

List can be a visualization in themselves?

- ☐ a. No, they are not expressive enough.
- ☒ b. Yes, especially if we're using scented widgets. ✓
- ☐ c. No! They are just a list!
- ☐ d. Yes, for univariate data.

Your answer is correct.

Question 12

Correct

Mark 1.00 out of 1.00

[Flag question](#)

For Bertin Matrices, one important thing to consider is...

- ☐ a. The color of the cells
- ☐ b. The size of the dataset
- ☐ c. The names of the cells
- ☒ d. The order of the rows and columns ✓

Your answer is correct.