

DM-Spring-2020-Q1

92.31% (12/13)

-
- ✓ 1. Which of these can be the way of creating a report using R?
- ☒ A R Markdown
 - ☐ B R script
 - ☐ C R project
 - ☐ D I do not know
- ✓ 2. Is it interesting to note the mode if the frequencies of all categories are the same?
- ☐ A Yes
 - ☒ B No
 - ☐ C I do not know
- ✓ 3. Min of x is 100% percentile for x
- ☐ A True
 - ☒ B False
 - ☐ C I do not know
- ✓ 4. Number of patients in a hospital is
- ☒ A A discrete, ratio variable
 - ☐ B A discrete, nominal variable
 - ☐ C A continuous, ordinal variable
 - ☐ D A discrete, interval variable
 - ☐ E I do not know



5. The temperature in Celsius is

- ☐ A A discrete, ratio variable
- ☐ B A discrete, nominal variable
- ☐ C A discrete, ordinal variable
- ☒ D A continuous, interval variable
- ☐ E I do not know



6. In simple linear regression model response variable (y) can be

- ☐ A binary
- ☐ B categorical
- ☒ C numeric
- ☐ D ordinal
- ☐ E I do not know



7. Discrete attributes means categorical attributes

- ☐ A True
- ☒ B False
- ☐ C I do not know



8. The following measurement of central tendency is sensitive to outliers

- ☒ A Mean
- ☐ B Trimmed mean
- ☐ C Median
- ☐ D Mode
- ☐ E I do not know



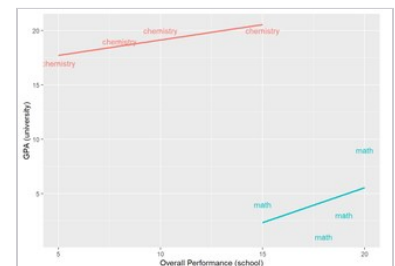
9. What is the range of the variable after standardization?

- ☒ A $[-1,1]$
- ☐ B $[-1,1)$
- ☐ C $[0,1]$
- ☐ D Neither
- ☐ E I do not know

- ✓ 10. Which one is **not** the reason for having missing values?
- A During a survey some people decline to give information about their income level
 - B During a survey, questions are not applicable for some people (e.g. existence of driver license for people under 16/18)
 - C Survey forms have conditional parts that are filled out only when a person answers a previous question in a certain way
 - D Data objects that are similar, but not duplicates, such as two distinct people with identical names.
 - E I do not know
- ✓ 11. What is the difference between a bar graph and histogram?
- A Histograms are used to visualize the continuous data, while bar charts for comparing/analyzing the categorical data.
 - B Bar charts are used to visualize the continuous data, while histograms for comparing/analyzing the categorical data.
 - C Bar chart shows the distribution of variable, while histogram shows the proportion.
 - D I do not know
- ✓ 12. Which type of graph can be useful to make a decision about the outliers of the numeric variable?
- A Boxplot
 - B Bar graph
 - C Pie chart
 - D I do not know

- ✓ 13. Choose the right answer

- A There is a positive relationship between the overall performance of students at school and their GPA at the university
- B There is a negative relationship between the overall performance of students who love chemistry at school and their GPA at the university
- C There is a negative relationship between the overall performance of students who love math at school and their GPA at the university
- D The positive relationship between the overall performance of students at school and their GPA at university is stronger for students who love math than for students who love chemistry
- E I do not know



14. My opinion about the quiz...

Productive, instructive, useful