

WB01 Data Applications Version 1

Section: IT & Computer Studies • Total Questions: 10 • Format: Verified Q&A

1. Which function should a data analyst use to create a scatterplot in ggplot2?

- (A) `aes()`
 - (B) `ggplot()`
 - (C) `plot()`
 - (D) `geom_point()`
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2. An analyst working in Google Sheets wants to clean, organize, sort, group, summarize large quantities, and use calculations to find insights and trends in data. Which function should be used?

- (A) Conditional formatting
 - (B) Pivot table
 - (C) Fill handle
 - (D) Remove duplicates
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3. An analyst needs to convert an integer to a string and types the FROM command in Structured Query Language (SQL). What does this command select?

- (A) Data to be converted to a new type
 - (B) Data type being casted to
 - (C) Table from which data is being selected
 - (D) Action to be taken on a table
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4. Which function can be used to save a plot built with ggplot2 in different file formats in R?

- (A) `jpeg()`
 - (B) `ggsave()`
 - (C) `png()`
 - (D) `pdf()`
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5. An analyst working to aggregate data in databases uses a Structured Query Language (SQL) command to rename a table 'special_projects_customer_negotiation_mileages' as 'mileage.' Which command does an analyst use to create temporary names for a table?

- (A) LEFT JOIN
 - (B) RIGHT JOIN
 - (C) COUNT
 - (D) AS
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6. Which function in R can be used to control for bias by injecting a randomization element to data?

- (A) sd()
 - (B) bias()
 - (C) ggplot2()
 - (D) sample()
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7. What is a primary advantage that R programming language offers compared to spreadsheets?

- (A) It works better with larger data sets
 - (B) It allows for analysis through formulas
 - (C) It shares source data from an external database
 - (D) It is used to communicate with databases
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8. How would an analyst specify a descending order of data in a Structured Query Language (SQL) query?

- (A) ORDER BY followed by DESC
 - (B) FROM followed by database
 - (C) SORT followed by TRUE
 - (D) FILTER followed by ASC
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9. An analyst working in an R Markdown file needs to produce a report containing all text, code, and results. How should the analyst do this?

- (A) Through the file menu
 - (B) Through the dashboard
 - (C) Through install packages
 - (D) Through the knit button
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10. Which function should the analyst use?

- (A) c()
 - (B) dir.create
 - (C) str()
 - (D) list()
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