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Go to next item

1.	A data analyst is working with a dataset in R that has more than 50,000 observations. Why might they choose to use a tibble instead of the standard data frame? Select all that apply.	
	✓ Tibbles automatically only preview the first 10 rows of data	
	Correct Tibbles make printing in R easier. They won't accidentally overload the data analyst's console be they're automatically set to pull up only the first 10 rows and as many columns as fit on screen.	cause
	☐ Tibbles can automatically change the names of variables ✓ Tibbles automatically only preview as many columns as fit on screen	
	Correct Tibbles make printing in R easier. They won't accidentally overload the data analyst's console be they're automatically set to pull up only the first 10 rows and as many columns as fit on screen.	cause
	☐ Tibbles can create row names	
2.	A data analyst is exploring their data to get more familiar with it. They want a preview of just the first s get a better idea of how the data frame is laid out. What function should they use?	x rows to 1/1 point
	O print()	
	O colnames()	
	head()	
	preview()	
	Correct The head() function can be used to return a preview of the first six rows of a data frame. This is a way to explore a data frame and get more familiar with how it is structured.	useful
,	. You are working with the ToothGrowth dataset. You want to use the skim_without_charts() function to	get 2
٥.	comprehensive view of the dataset. Write the code chunk that will give you this view.	get a 1/1 point
	1 skim_without_charts@ToothGrowth	Run
		Reset
	Data Summary Values	
	Name ToothGrowth Number of rows 60	
	Number of columns 3 Column type frequency:	
	factor 1 numeric 2	
	Group variables None	
	Variable type: factor skim_variable n_missing complete_rate ordered n_unique top_counts 1 supp 0 1 FALSE 2 03: 30, VC: 30	
	skim_variable n_missing complete_rate mean sd p0 p25 p50 p75 p100 1 len 0 1 18.8 7.65 4.2 13.1 19.2 25.3 33.9 2 dose 0 1 1.17 0.629 0.5 0.5 1 2 2	
	How many rows does the ToothGrowth dataset contain?	
	O 50	
	O 25	
	O 40	
	Correct The code chunk skim without_charts (ToothGrowth) gives you a comprehensive view of dataset. Inside the parentheses of the skim_without_charts() function is the name of the datase to view. The code returns a summary with the name of the dataset and the number of rows and It also shows the column types and data types contained in the dataset. The ToothGrowth datas contains 60 rows.	t you want columns.
4.	. A data analyst is working with a data frame named cars. The analyst notices that all the column names frame are capitalized. What code chunk lets the analyst change all the column names to lowercase?	in the data 1/1 point
	rename with(cars, tolower)	
	O rename_with(toupper, cars)	
	rename with(tolower, cars)	
	rename_with(tolower, cars) rename with(cars, toupper)	
	Correct The code chunk is rename_with (cars, tolower). The rename_with() function will enable analyst to easily change the case of the column names to lowercase. Including the tolower arguindicates that all column names will be changed to lowercase.	

5. A data analyst is working with the penguins data. The variable species includes three penguin species: Adelie. 1/1 point Chinstrap, and Gentoo. The analyst wants to create a data frame that only includes the Adelie species. The analyst receives an error message when they run the following code penguins %>% filter(species <- "Adelie") How can the analyst change the second line of code to correct the error? filter(species == "Adelie") O filter (Adelie == species) O filter("Adelie") O filter("Adelie" <- species) The code chunk is filter (species == "Adelie"). The filter function is used to specify the part of the data to be viewed. Two equal signs in an argument mean "exactly equal to." Using this operator instead of the assignment operator <- calls only the data about Adelie penguins to the dataset. 6. You are working with the penguins dataset. You want to use the summarize() and max() functions to find the 1/1 point maximum value for the variable flipper_length_mm. You write the following code penguins %>% drop_na() %>% group_by(species) %>% Add the code chunk that lets you find the maximum value for the variable flipper_length_mm. summarize(max(flipper_length_mm)) 2 Chinstrap 3 Gentoo What is the maximum flipper length in mm for the Gentoo species? O 212 O 200 O 210 231 The code chunk ${\tt summarize(max(flipper_length_mm))}$ lets you find the maximum value for the variable flipper_length_mm. The correct code is penguins %>% drop_na() %>% group_by(species) %>% summarize(max(flipper_length_mm)).The summarize() function displays summary statistics. You can use the summarize() function in combination with other functions such as mean(), max(), and min() -- to calculate specific statistics. In this case, you use max() to calculate the maximum value for flipper length. The maximum flipper length for the Gentoo species is 231mm. 7. A data analyst is working with a data frame called salary_data. They want to create a new column named 1/1 point hourly_salary that includes data from the wages column divided by 40. What code chunk lets the analyst create mutate(hourly_salary, salary_data = wages / 40) mutate(hourly_salary = wages / 40) mutate(salary_data, hourly_salary = wages / 40) mutate(salary_data, hourly_salary = wages * 40) ✓ Correct The code chunk is mutate (salary_data, hourly_salary = wages / 40). The analyst can use the mutate() function to create a new column for wages divided by 40 called hourly_salary. The mutate() function can create a new column without affecting any existing columns. 8. A data analyst is working with a data frame named stores. It has separate columns for city (city) and state (state). 1/1 point The analyst wants to combine the two columns into a single column named *location*, with the city and state separated by a comma. What code chunk lets the analyst create the location column? unite(stores, "location", city, state, sep=",") O unite(stores, "location", city, sep=",") O unite(stores, city, state, sep=",") O unite(stores, "location", city, state) The code chunk unite(stores, "location", city, state, sep=",") lets the analyst create the location column. The unite() function lets the analyst combine the city and state data into a single column. In the parentheses of the function, the analyst writes the name of the data frame, then the name of the new column in quotation marks, followed by the names of the two columns they want to combine. Finally, the argument sep="," places a comma between the city and state data in the location column.

1/1 point

Correlation
Standard deviation
Average
) Maximum
 Correct Correlation measures how strong the relationship between two variables is. This is represented by the cor() function.
data analyst uses the bias() function to compare the actual outcome with the predicted outcome to determine ne model is biased. They get a score of 0.8. What does this mean?
The model is biased
Bias can be determined
) Bias cannot be determined
The model is not biased
 Correct A score of 0.8 indicates that the model is biased. The closer the score is to zero, the less likely it is that the model is biased.