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Grade received 100% Latest Submission ${\sf Grade}~100\%$

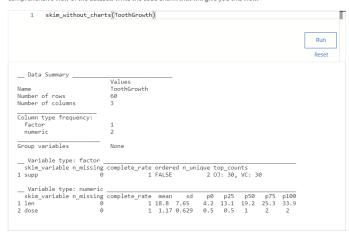
To pass 80% or higher

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1.	A data analyst is considering using tibbles instead of basic data frames. What are some of the limitations of tibbles? Select all that apply.	1 / 1 point
	Tibbles can overload a console	
	▼ Tibbles can never create row names	
	Correct Tibbles are useful when working with large datasets because they make printing easier. But tibbles can never change the input type of the data, create row names, or change the names of variables.	
	☑ Tibbles can never change the input type of the data	
	Correct Tibbles are useful when working with large datasets because they make printing easier. But tibbles can never change the input type of the data, create row names, or change the names of variables.	
	☑ Tibbles won't automatically change the names of variables	
	Correct Tibbles are useful when working with large datasets because they make printing easier. But tibbles can never change the input type of the data, create row names, or change the names of variables.	
2.	A data analyst is exploring their data to get more familiar with it. They want a preview of just the first six rows to get a better idea of how the data frame is laid out. What function should they use?	1 / 1 point
	O colnames()	
	O print()	
	O preview()	
	• head()	
	Correct The head() function can be used to return a preview of the first six rows of a data frame. This is a useful way to explore a data frame and get more familiar with how it is structured.	

3. You are working with the ToothGrowth dataset. You want to use the skim_without_charts() function to get a comprehensive view of the dataset. Write the code chunk that will give you this view.

1 / 1 point



How many rows does the ToothGrowth dataset contain?

O 25

60

O 50

O 40

The code chunk skim_without_charts (ToothGrowth) gives you a comprehensive view of the dataset. Inside the parentheses of the skim_without_charts() function is the name of the dataset you want to view. The code returns a summary with the name of the dataset and the number of rows and columns. It also shows the column types and data types contained in the dataset. The ToothGrowth dataset $\,$ contains 60 rows.

4. A data analyst is working with the penguins dataset. What code chunk does the analyst write to make sure all the column names are unique and consistent and contain only letters, numbers, and underscores?

O drop_na(penguins)		
rename (penguins)		
clean_names(penguins)		
Select(penguins)		
	nes (penguins). The clean_names() function ensures that there are only erscores in the names used in the data frame.	
	enguins data. The variable <i>species</i> includes three penguin species: Adelie, wants to create a data frame that only includes the Adelie species. The analyst y run the following code:	1 / 1 point
penguins %>%		
filter(species <- "Adelie	e")	
How can the analyst change the seco	and line of code to correct the error?	
O filter("Adelie" <- speci		
filter(species == "Adeli		
O filter(Adelie == species		
O filter("Adelie")	-	
the data to be viewed. Two equ	pecies == "Adelie"). The filter function is used to specify the part of ual signs in an argument mean "exactly equal to." Using this operator rator <- calls only the data about Adelie penguins to the dataset.	
You are working with the penguins d mean value for the variable <i>body_ma</i>	lataset. You want to use the summarize() and mean() functions to find the ass_g. You write the following code:	1 / 1 point
penguins %>%		
drop_na() %>%		
group_by(species) %>%		
Add the code chunk that lets you find	d the mean value for the variable body_mass_g.	
1 summarize[mean(body_m	Run Reset	
# A tibble: 3 <u+00d7> 2 species mean(body_mass_g</u+00d7>	51.> 164 388	
What is the mean body mass in g for	the Adelie species?	
5092.437		
3706.1643733.088		
Q 4207.433		
○ Correct The code chunk summarize (r body_mass_g. The correct cod summarize (mean (body_ma use the summarize() function i	mean (body_mass_g)) lets you find the mean value for the variable let is penguins %>% drop_na() %>% group_by (species) %>% ss_g)). The summarize() function displays summary statistics. You can in combination with other functions — such as mean(), max(), and min() — to this case, you use mean() to calculate the mean value for body mass. The especies is 3706.164g.	
A data analyst is working with a data total_wages that adds together data the analyst create the total_wages co	frame called salary_data. They want to create a new column named in the standard_wages and overtime_wages columns. What code chunk lets olumn?	1/1 point
	al_wages = standard_wages * overtime_wages)	
	al_wages = standard_wages + overtime_wages)	
	ndard_wages = total_wages + overtime_wages)	
	andard_wages + overtime_wages)	
overtime_wages). The anal	alary_data, total_wages = standard_wages + lyst can use the mutate() function to create a new column for e_wages called total_wages. The mutate() function can create a new column columns.	

8. A data analyst is working with a data frame named customers. It has separate columns for area code (are and phone number (phone_num). The analyst wants to combine the two columns into a single column c phone_number, with the area code and phone number separated by a hyphen. What code chunk lets the create the phone_number column?	called
<pre>unite(customers, "phone_number", area_code, phone_num, sep="-") unite(customers, "phone_number", area_code, phone_num)</pre>	
<pre>unite(customers, "phone_number", area_code, sep="-")</pre>	
<pre>unite(customers, area_code, phone_num, sep="-")</pre>	
○ Correct The code chunk unite (customers, "phone_number", area_code, phone_num, sep= lets the analyst create the phone_number column. The unite() function lets the analyst combine the code and phone number data into a single column. In the parentheses of the function, the analyst the name of the data frame, then the name of the new column in quotation marks, followed by the of the two columns they want to combine. Finally, the argument sep="-" places a hyphen betwee area code and phone number data in the phone_number column.	ne area writes e names
9. A data analyst is using statistical measures to get a better understanding of their data. What function can to determine how strongly related are two of the variables?	1/1 point they use
<pre>mean() sd() cor() bias()</pre>	
Correct The cor() returns the correlation between two variables. Correlation shows us how strong the relat is between two variables.	ionship
A data analyst uses the bias() function to compare the actual outcome with the predicted outcome to det the model is biased. They get a score of 0.8. What does this mean? Bias can be determined The model is biased	1/1 point termine if
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 the model is biased.	hat the