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Choose your provider and Enter API Key:

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.....

Successfully connected to Gemini!

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# LIDA Tasks


Filter Instruction Requirements

Instruction: ▾

Temperature  
0.00  
0.001.00

Select Model:  
gemini-1.5-flash ▾

Upload a data file in .csv format:



Drag and drop file here

Limit 200MB per file • CSV

Browse files

 penguins.csv 14.7KB

✕

Successfully uploaded a CSV file with 344 rows of data.

	Species	Island	Beak Length (mm)	Beak Depth (mm)	Flipper Length (mm)	Body Mass (g)	Sex
0	Adelie	Torgersen	39.1	18.7	181	3,750	MALE
1	Adelie	Torgersen	39.5	17.4	186	3,800	FEMALE
2	Adelie	Torgersen	40.3	18	195	3,250	FEMALE
3	Adelie	Torgersen	None	None	None	None	None
4	Adelie	Torgersen	36.7	19.3	193	3,450	FEMALE

Data cleaned!

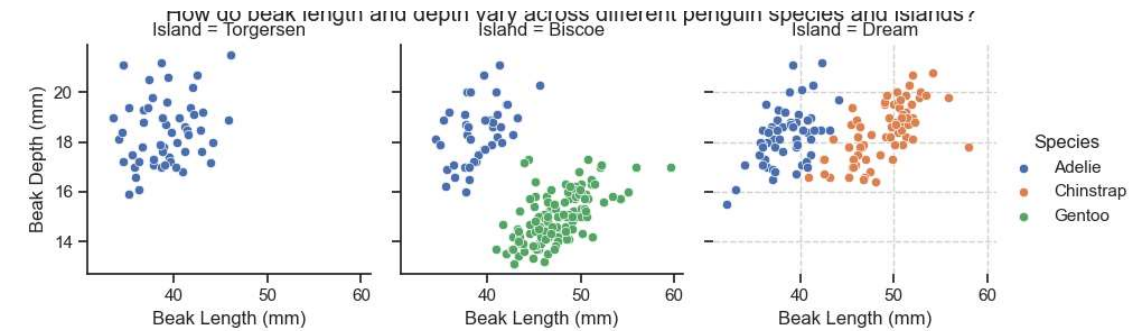
Generate Charts

✳ Insight 0:

```
main() Goal Goal(question='How do beak length and depth vary across different penguin species and islands?', visualization="Scatter plot matrix of 'Beak Length (mm)', 'Beak Depth (mm)', colored by 'Species' and faceted by 'Island'", rationale="This visualization will reveal potential correlations between beak d...
```

A visualization goal

index	int	0
question	str	'How do beak length and depth vary across different penguin species and islands?'
rationale	str	"This visualization will reveal potential correlations between beak dimensions and species, and whether these correlations differ across islands. Using a scatter plot matrix allows for the examination of pairwise relationships between the numerical variables while controlling for categorical variab..."
visualization	str	"Scatter plot matrix of 'Beak Length (mm)', 'Beak Depth (mm)', colored by 'Species' and faceted by 'Island'"



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## ★ Insight 1:

```
main() Goal Goal(question='What is the relationship between body mass and flipper length, considering the sex of the penguin?', visualization="Scatter plot of 'Body Mass (g)' vs 'Flipper Length (mm)', colored by 'Sex'", rationale="This will show if there's a correlation between body mass and flipper length, and...")
```

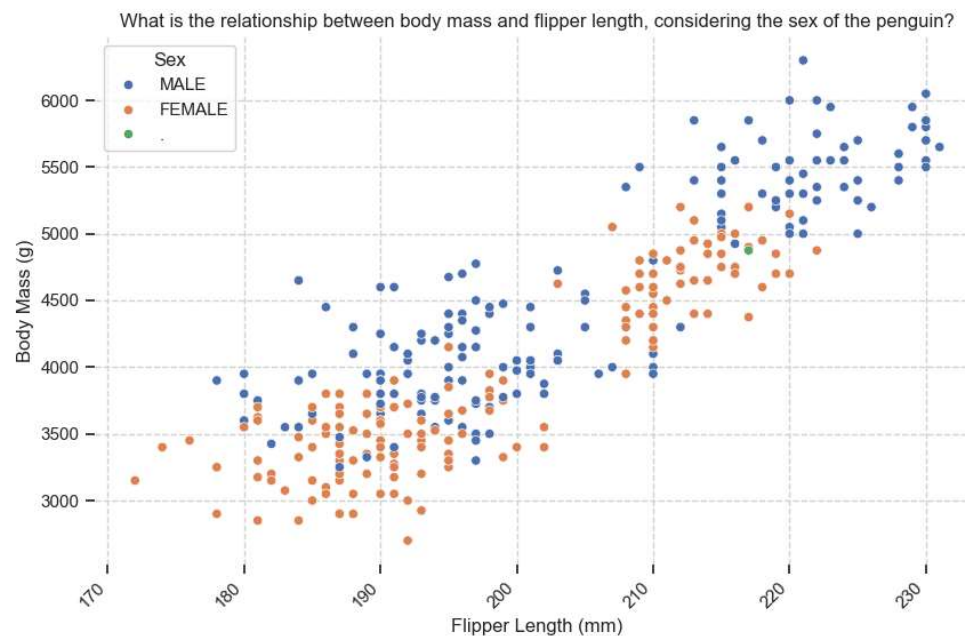
A visualization goal

index `int` 1


question `str` 'What is the relationship between body mass and flipper length, considering the sex of the penguin?'

rationale `str` "This will show if there's a correlation between body mass and flipper length, and if this relationship varies significantly between sexes. Color-coding by sex allows for easy comparison of the relationship within each sex group."

visualization `str` "Scatter plot of 'Body Mass (g)' vs 'Flipper Length (mm)', colored by 'Sex'."



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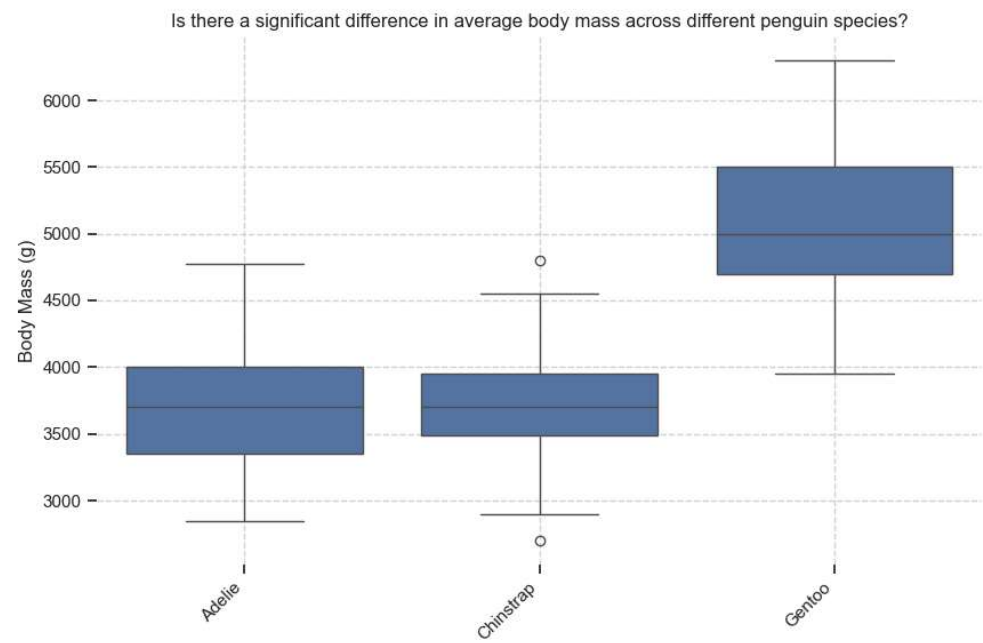
 VizOps ▾

✳ Insight 2:

```
main() Goal Goal(question='Is there a significant difference in average body mass across different penguin species?', visualization="Box plot of 'Body Mass (g)' grouped by 'Species'", rationale='Box plots effectively display the distribution of body mass for each species, highlighting median, quartiles, and out...
```

A visualization goal

index	int	2
question	str	'Is there a significant difference in average body mass across different penguin species?'
rationale	str	'Box plots effectively display the distribution of body mass for each species, highlighting median, quartiles, and outliers. This allows for a clear comparison of central tendencies and variability across species.'
visualization	str	"Box plot of 'Body Mass (g)' grouped by 'Species'"



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✳ Insight 3:

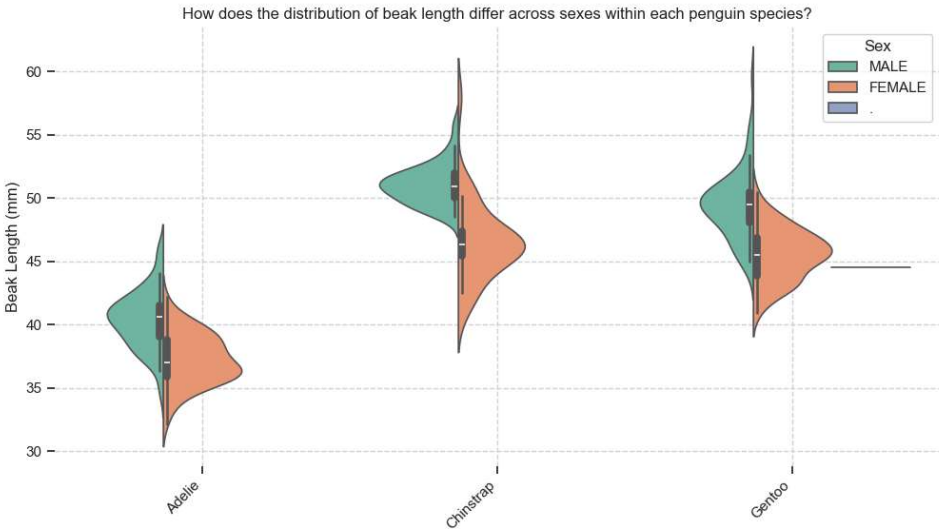
`main()` `Goal` Goal(question='How does the distribution of beak length differ across sexes within each penguin species?', visualization="Violin plot of 'Beak Length (mm)' grouped by 'Species' and further split by 'Sex'", rationale="Violin plots combine the benefits of box plots (showing quartiles and median) with ...

A visualization goal	
index	int3
question	str'How does the distribution of beak length differ across sexes within each penguin species?'
rationale	str"Violin plots combine the benefits of box plots (showing quartiles and median) with kernel density estimation, providing a richer

understanding of the distribution's shape. Splitting by sex within each species allows for a detailed comparison of beak length distributions across sexes."

visualization str

"Violin plot of 'Beak Length (mm)' grouped by 'Species' and further split by 'Sex'"



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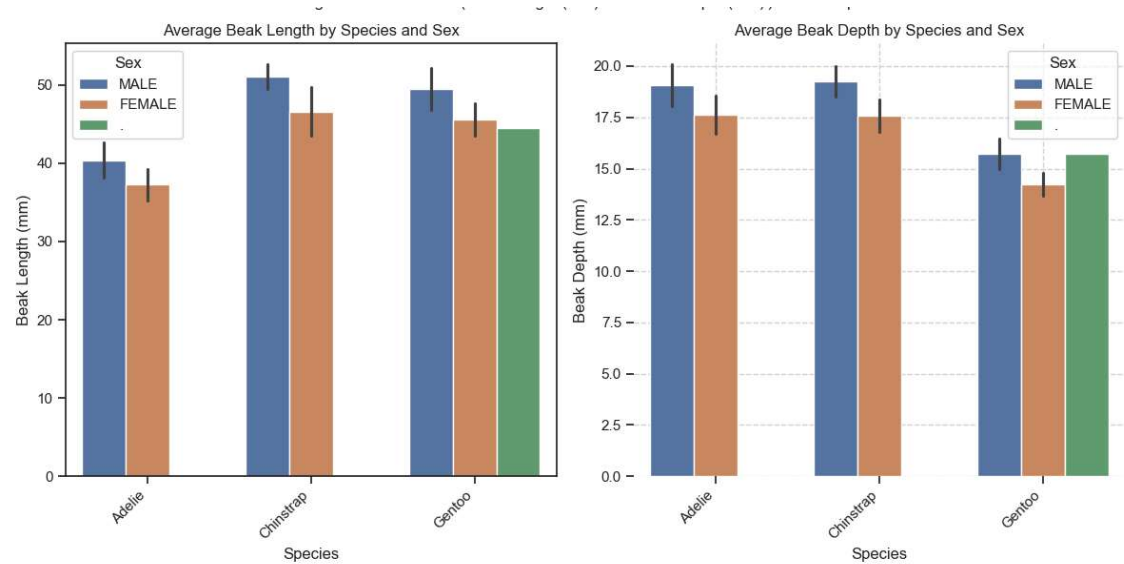
✳ Insight 4:

```
main() Goal Goal(question="What are the average beak dimensions ('Beak Length (mm)' and 'Beak Depth (mm)') for each species and sex?", visualization="Bar chart showing mean 'Beak Length (mm)' and mean 'Beak Depth (mm)' for each combination of 'Species' and 'Sex'. Error bars should represent standard deviation....
```


A visualization goal

index int 4

question <span>str</span>	"What are the average beak dimensions ('Beak Length (mm)' and 'Beak Depth (mm)') for each species and sex?"
rationale <span>str</span>	'This visualization provides a clear and concise summary of the average beak dimensions for each species and sex, allowing for easy comparison across groups. Error bars provide a measure of variability around the mean.'
visualization <span>str</span>	"Bar chart showing mean 'Beak Length (mm)' and mean 'Beak Depth (mm)' for each combination of 'Species' and 'Sex'. Error bars should represent standard deviation."



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