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Choose your provider and Enter API Key:

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Successfully connected to Gemini!

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Summarize & Goal

# LIDA Tasks

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Temperature



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!

### ✱ Insight 0:

A visualization goal

```
question str 'How do beak length and depth vary across different penguin species and islands?'
```

```
visualization str "Scatter plot matrix of 'Beak Length (mm)' vs 'Beak Depth (mm)',  
colored by 'Species' and faceted by 'Island'"
```

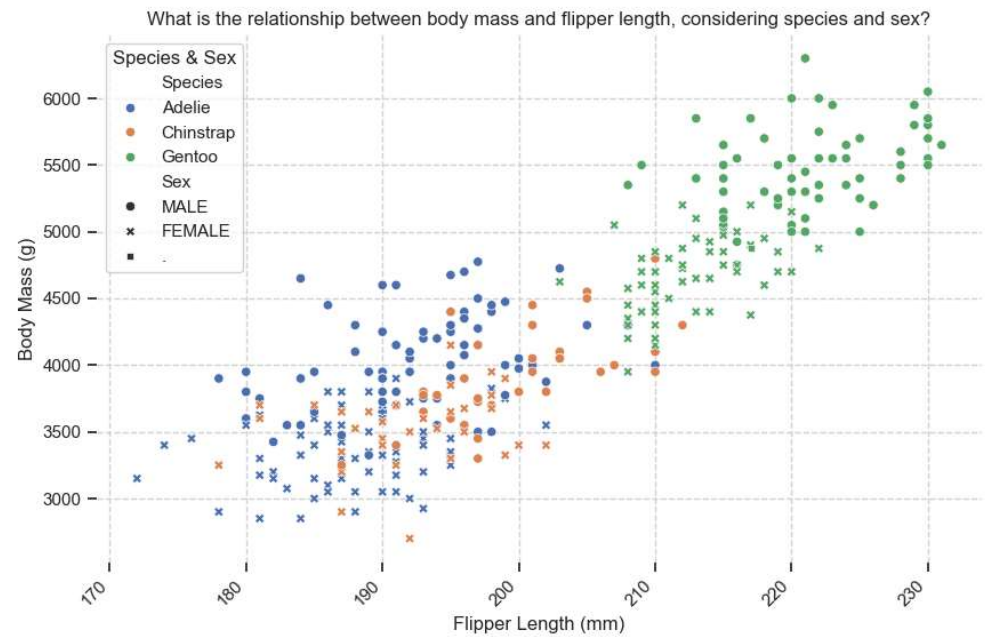


✱ **Insight 1:**


```
main() Goal Goal(question='What is the relationship between body mass and flipper length, considering species and sex?', visualization="Scatter plot of 'Body Mass (g)' vs 'Flipper Length (mm)', colored by 'Species' and shaped by 'Sex'", rationale='This will show if larger penguins tend to have longer flippers, ...')
```

A visualization goal

index	int	1
question	str	'What is the relationship between body mass and flipper length, considering species and sex?'
rationale	str	'This will show if larger penguins tend to have longer flippers, and if this relationship varies across species and sexes. Color and shape encoding effectively distinguishes the categorical variables.'
visualization	str	"Scatter plot of 'Body Mass (g)' vs 'Flipper Length (mm)', colored by 'Species' and shaped by 'Sex'"



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✱ **Insight 2:**

```
main() Goal Goal(question='Is there a significant difference in average body mass
between sexes within each penguin species?', visualization="Box plot of 'Body Mass (g)'
grouped by 'Species' and 'Sex'", rationale='Box plots effectively compare the
distribution of body mass across sexes within each species, high...
```

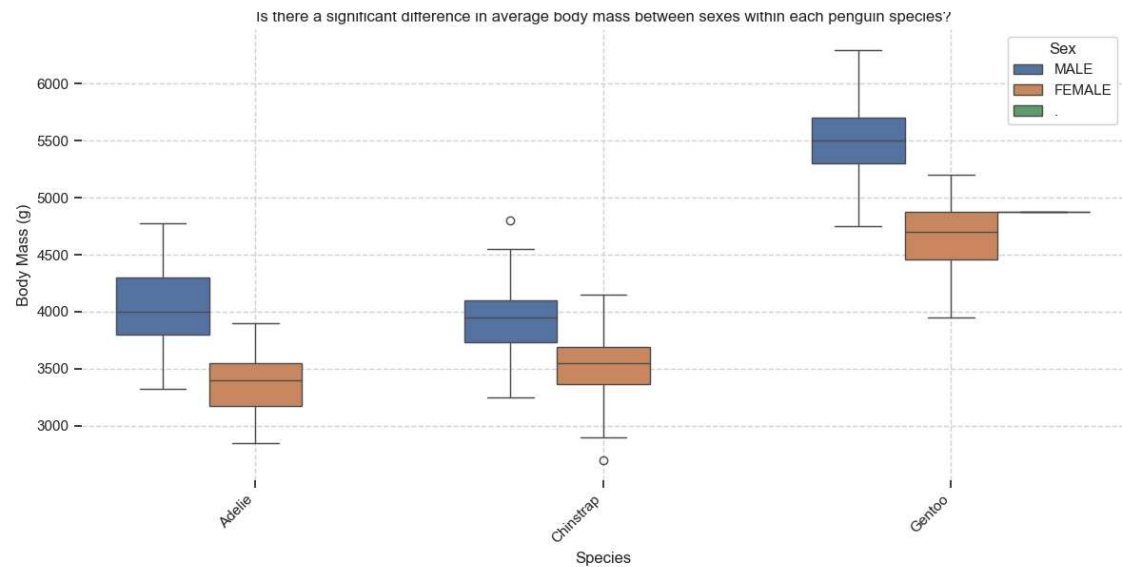
A visualization goal

```
index int 2
```

```
question str 'Is there a significant difference in average body mass between sexes
              within each penguin species?'
```

```
rationale str 'Box plots effectively compare the distribution of body mass across
sexes within each species, highlighting median, quartiles, and
outliers. This helps identify statistically significant differences.'
```

```
visualization str "Box plot of 'Body Mass (g)' grouped by 'Species' and 'Sex'"
```

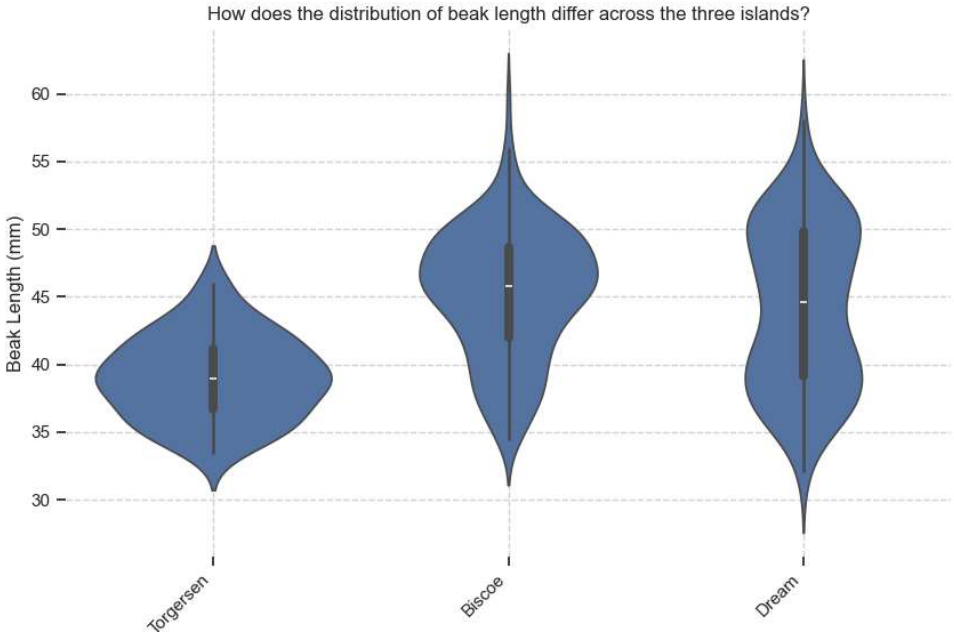


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✳ Insight 3:

<pre>main() Goal Goal(question='How does the distribution of beak length differ across the three islands?', visualization="Violin plot of 'Beak Length (mm)' grouped by 'Island'", rationale="Violin plots combine the benefits of box plots (showing quartiles and median) with kernel density estimation, providing a riche...</pre>	
A visualization goal	
index int	3
question str	'How does the distribution of beak length differ across the three islands?'
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 and potential multimodality across islands."
visualization str	"Violin plot of 'Beak Length (mm)' grouped by 'Island'"



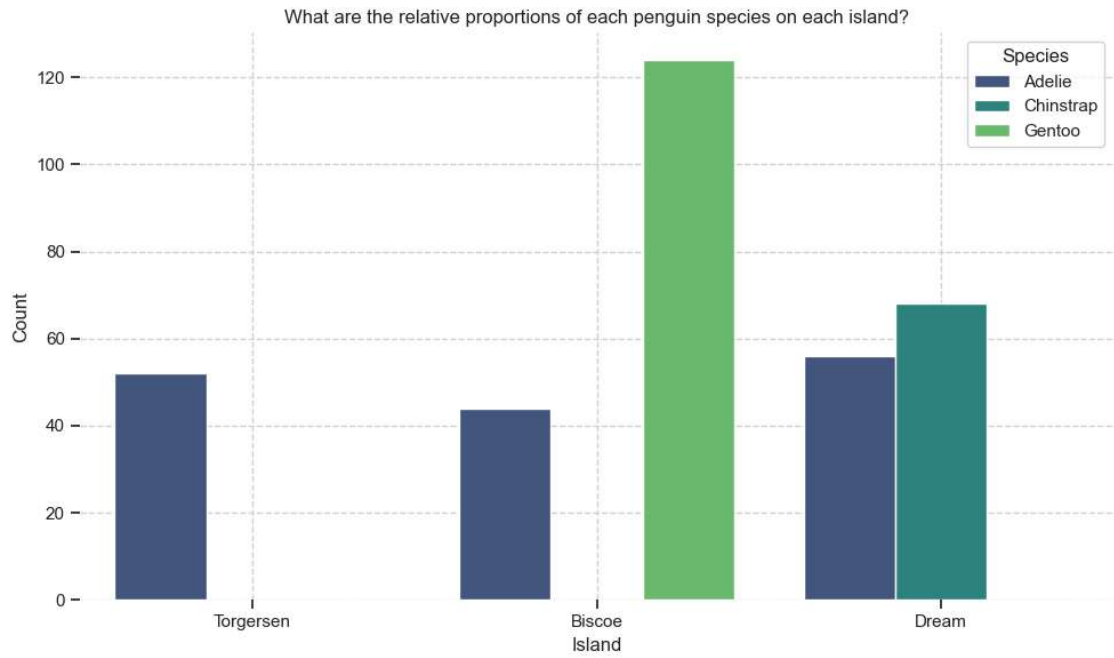
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✳ Insight 4:

```
main() Goal Goal(question='What are the relative proportions of each penguin species on each island?', visualization="Stacked bar chart showing the count of 'Species' for each 'Island'", rationale='A stacked bar chart effectively visualizes the proportions of each species within each island. This avoids the mi...
```

A visualization goal	
index <code>int</code>	4
question <code>str</code>	'What are the relative proportions of each penguin species on each island?'
rationale <code>str</code>	'A stacked bar chart effectively visualizes the proportions of each species within each island. This avoids the misleading nature of pie charts when comparing proportions across categories.'
visualization <code>str</code>	"Stacked bar chart showing the count of 'Species' for each 'Island'"



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