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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

 Filter Instruction  Requirements

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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!

Generate Charts

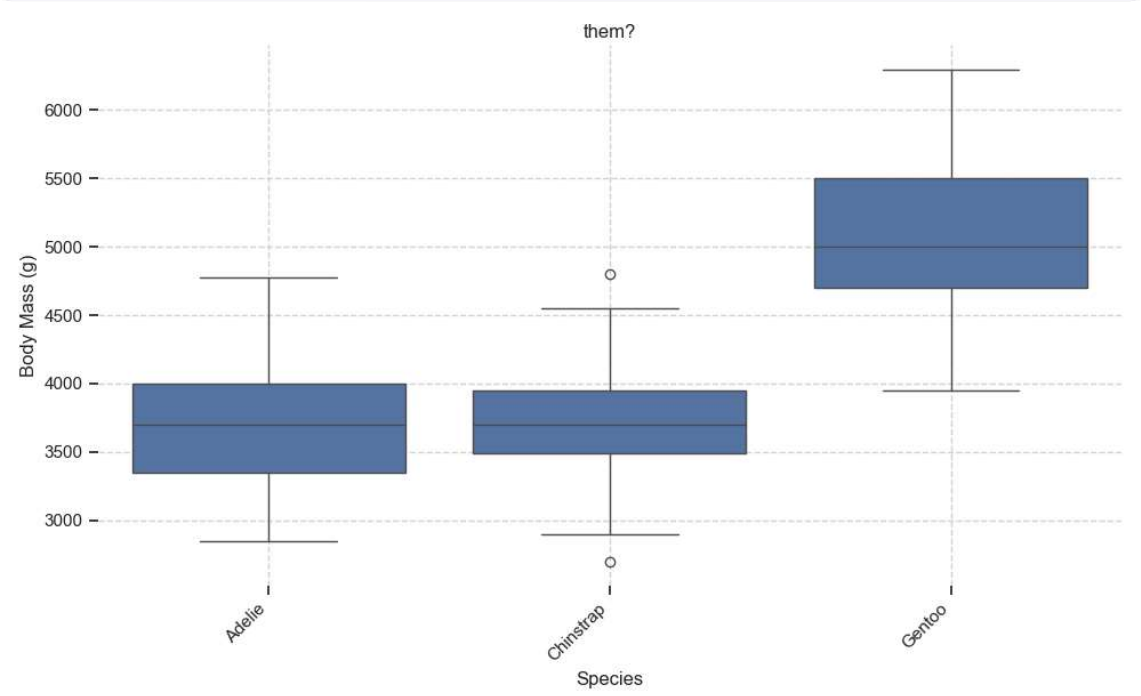
✳ Insight 0:

<pre>main() Goal Goal(question='How do beak length and depth correlate across different penguin species, and how does this relationship vary by sex?', visualization="Scatter plot matrix of 'Beak Length (mm)' vs 'Beak Depth (mm)', colored by 'Species' and faceted by 'Sex'", rationale='This visualization will reveal p...</pre>	
A visualization goal	
index <code>int</code>	0
question <code>str</code>	'How do beak length and depth correlate across different penguin species, and how does this relationship vary by sex?'
rationale <code>str</code>	'This visualization will reveal potential interspecies differences in beak morphology and whether sexual dimorphism in beak size exists. The use of a scatter plot matrix allows for simultaneous comparison of the correlation between beak length and depth within each species and sex.'
visualization <code>str</code>	"Scatter plot matrix of 'Beak Length (mm)' vs 'Beak Depth (mm)', colored by 'Species' and faceted by 'Sex'"

✳ Insight 1:

<pre>main() Goal Goal(question='What is the distribution of body mass for each penguin species, and are there statistically significant differences between them?', visualization="Box plot of 'Body Mass (g)' grouped by 'Species'", rationale='This will visually compare the central tendency, dispersion, and potential o...</pre>	
A visualization goal	
index <code>int</code>	1
question <code>str</code>	'What is the distribution of body mass for each penguin species, and are there statistically significant differences between them?'
rationale <code>str</code>	'This will visually compare the central tendency, dispersion, and potential outliers in body mass across the three penguin species. The box plot is ideal for highlighting potential significant differences in body mass distributions.'

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



⌕ ⚙ ⌂ ⌕ ⌂ Download Chart ⌕ ⌂

⚙ VizOps ▾

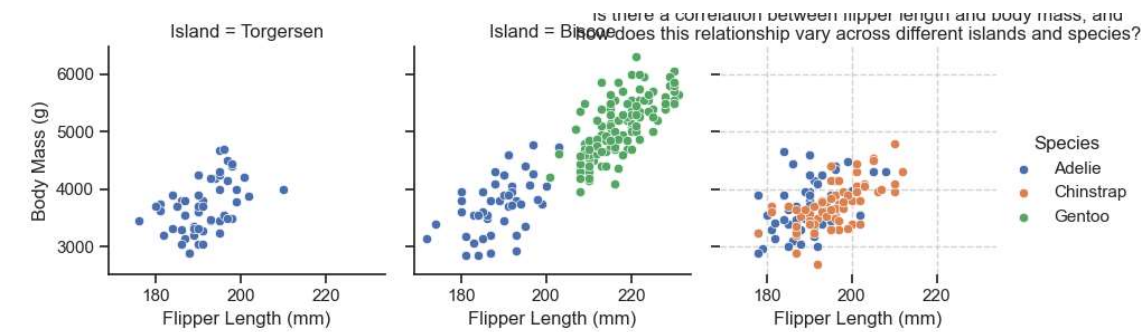
✳ Insight 2:

```
main() Goal Goal(question='Is there a correlation between flipper length and body mass, and how does this relationship vary across different islands and species?', visualization="Scatter plot of 'Flipper Length (mm)' vs 'Body Mass (g)', colored by 'Species' and faceted by 'Island'", rationale='This will investi...
```


A visualization goal

index	int	2
question	str	'Is there a correlation between flipper length and body mass, and how does this relationship vary across different islands and species?'

rationale <span>str</span>	'This will investigate the potential relationship between flipper length and body mass, controlling for island and species. Facetting allows for easy comparison of this relationship across different ecological contexts.'
visualization <span>str</span>	"Scatter plot of 'Flipper Length (mm)' vs 'Body Mass (g)', colored by 'Species' and faceted by 'Island'"

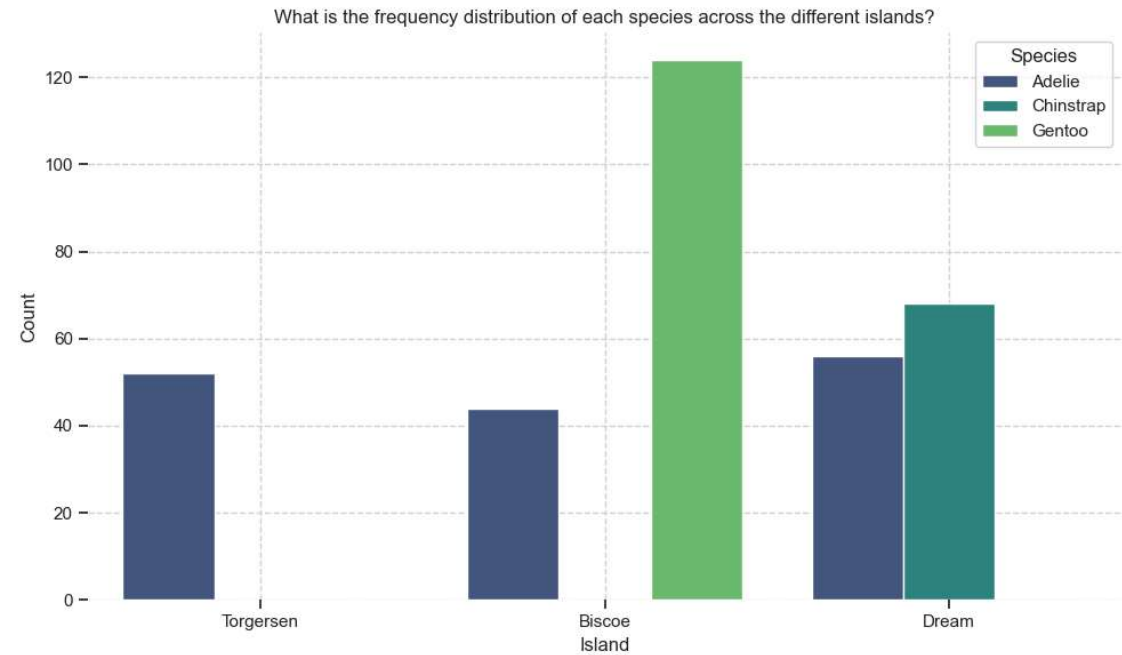


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### ★ Insight 3:

<pre>main() Goal Goal(question='What is the frequency distribution of each species across the different islands?', visualization="Stacked bar chart showing the count of 'Species' for each 'Island'", rationale='This visualization will show the relative abundance of each penguin species on each island, providing insight...')</pre>	
A visualization goal	
index <span>int</span>	3
question <span>str</span>	'What is the frequency distribution of each species across the different islands?'
rationale <span>str</span>	'This visualization will show the relative abundance of each penguin species on each island, providing insights into habitat preferences and potential species segregation.'
visualization <span>str</span>	"Stacked bar chart showing the count of 'Species' for each 'Island'"



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✱ Insight 4:

```
main() Goal Goal(question='How does the distribution of beak length and depth differ between male and female penguins across all species?', visualization="Violin plot of 'Beak Length (mm)' and 'Beak Depth (mm)' grouped by 'Sex', with separate violins for each 'Species'", rationale='Violin plots effectively disp...
```

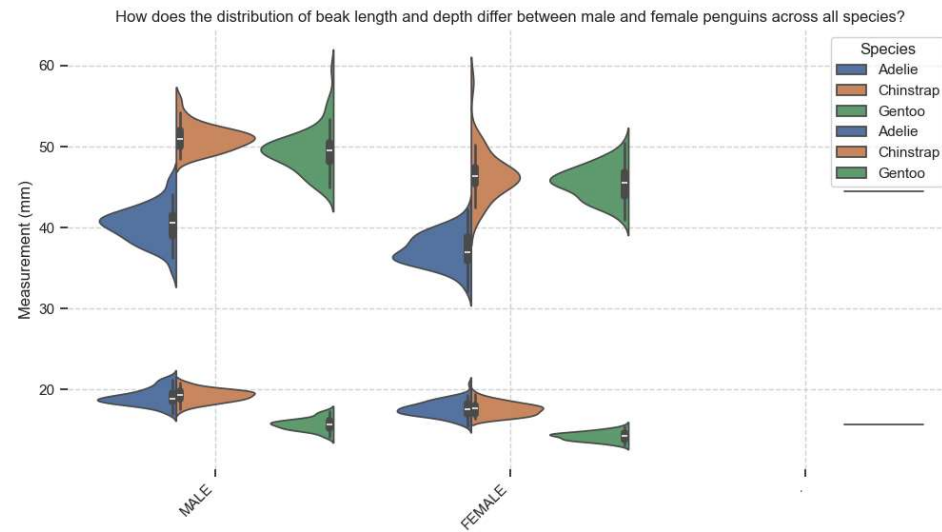
A visualization goal

index	int	4
question	str	'How does the distribution of beak length and depth differ between male and female penguins across all species?'
rationale	str	'Violin plots effectively display the distribution of beak dimensions for males and females within each species, revealing potential sexual

dimorphism and the degree of variability within each sex and species. This is more informative than a simple box plot as it shows the full distribution.'

visualization `str`

"Violin plot of 'Beak Length (mm)' and 'Beak Depth (mm)' grouped by 'Sex', with separate violins for each 'Species'"



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