- Home
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- Overview
- Data Report
- LIDA's functions
- LIDA Tasks

Sections

Provider Instruction

Choose your provider and Enter API Key:

Provider

Gemini

Gemini API key:

••

Successfully connected to Gemini!

Tasks:

Functions:

Summarize & Goal

LIDA Tasks

Filter Instruction | Requirements

Instruction:

Temperature

0.70

0.00 1.00

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

bodyPerformance.csv 0.7MB

Successfully uploaded a CSV file with 13393 rows of data.

	e	gender	height_cm	weight_kg	body fat_%	diastolic	systolic	gripForce	sit and bend forward_cm	sit-up
0	27	M	172.3	75.24	21.3	80	130	54.9	18.4	
1	25	M	165	55.8	15.7	77	126	36.4	16.3	
2	31	M	179.6	78	20.1	92	152	44.8	12	
3	32	M	174.5	71.1	18.4	76	147	41.4	15.2	
4	28	M	173.8	67.7	17.1	70	127	43.5	27.1	

Data cleaned!

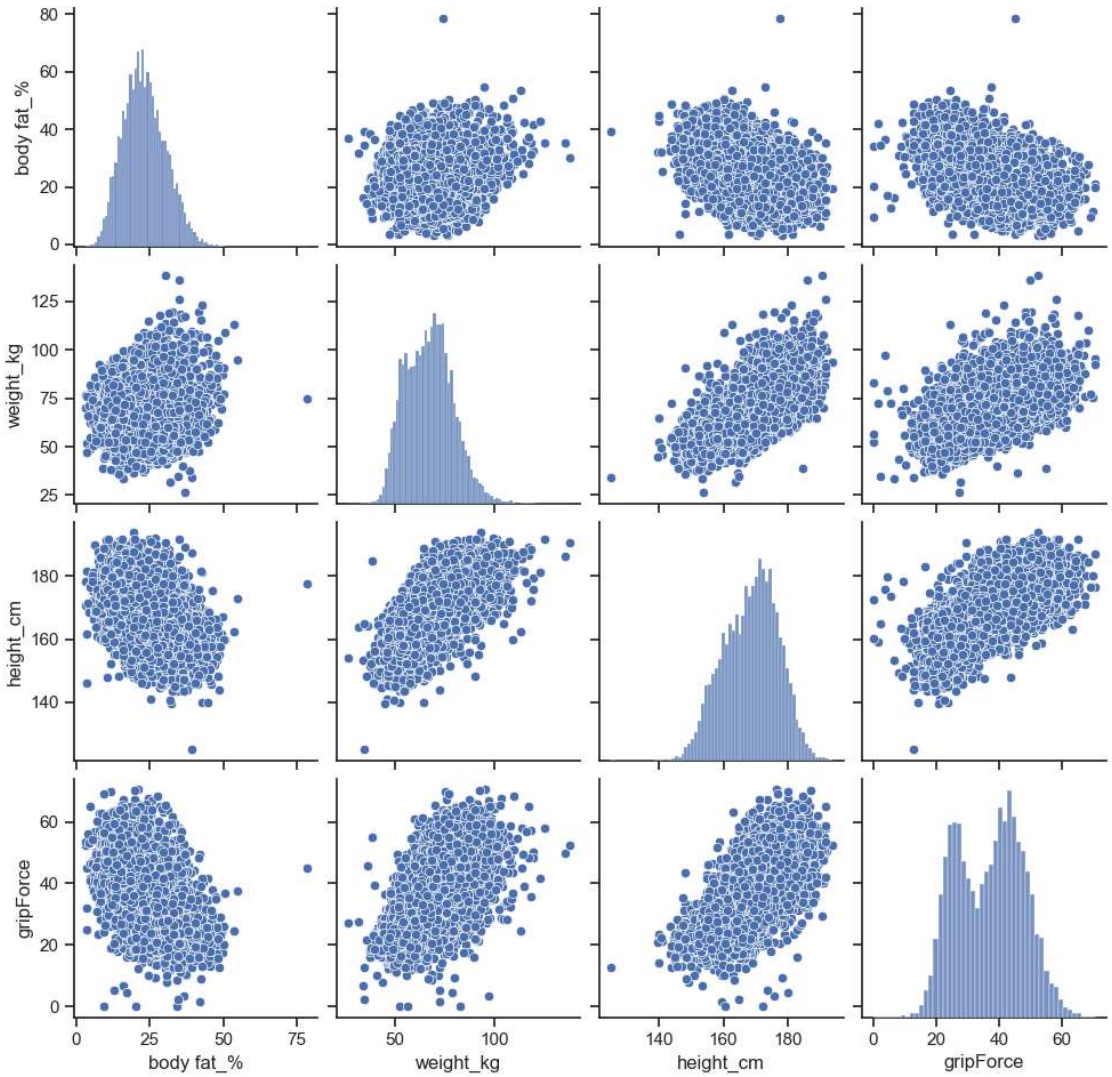
Generate Charts

✷ Insight 0:

```
main() Goal Goal(question='How does body fat percentage correlate with other
physiological measurements (e.g., weight, height, grip strength)?',
visualization="Scatter plot matrix showing the correlation between 'body fat_%',
'weight_kg', 'height_cm', and 'gripForce'", rationale='This visualization will reveal
...
```

A visualization goal

index int	0
question str	'How does body fat percentage correlate with other physiological measurements (e.g., weight, height, grip strength)?'
rationale str	'This visualization will reveal potential relationships between body fat percentage and other key physiological variables. We can identify if higher body fat is associated with lower grip strength, different heights or weights, providing insights into overall health and fitness.'
visualization str	"Scatter plot matrix showing the correlation between 'body fat_%', 'weight_kg', 'height_cm', and 'gripForce'"



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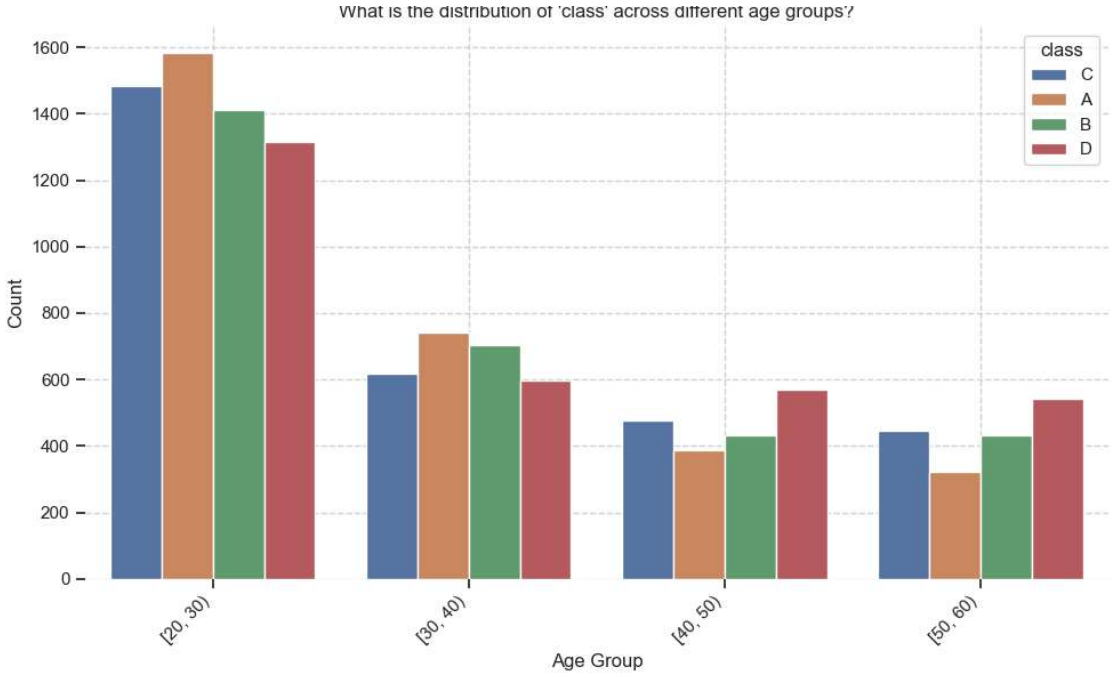
VizOps

✷ Insight 1:

main() Goal Goal(question="What is the distribution of 'class' across different age groups?", visualization="Grouped bar chart showing the count of 'class' for different age ranges (e.g., 20-30, 30-40, etc.)", rationale="This will help understand if there's a relationship between age and the categorical variabl...

A visualization goal

index int	1
question str	"What is the distribution of 'class' across different age groups?"
rationale str	"This will help understand if there's a relationship between age and the categorical variable 'class'. We will use age ranges to group the data for better visualization and interpretation."
visualization str	"Grouped bar chart showing the count of 'class' for different age ranges (e.g., 20-30, 30-40, etc.)"



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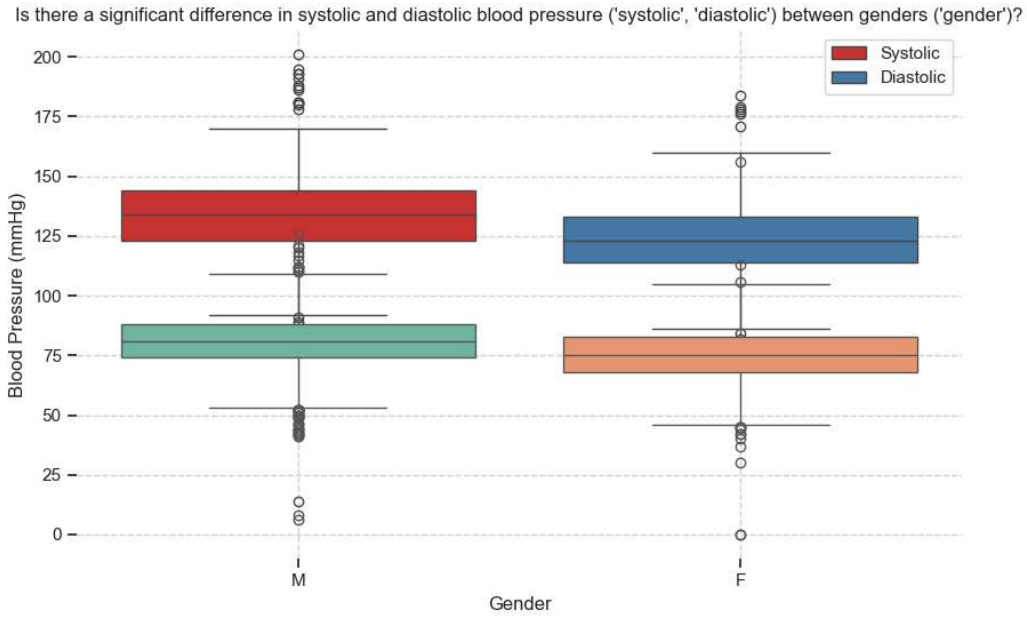
VizOps

✷ Insight 2:

`main() Goal Goal(question="Is there a significant difference in systolic and diastolic blood pressure ('systolic', 'diastolic') between genders ('gender')?", visualization="Box plot comparing 'systolic' and 'diastolic' for 'gender' categories ('M' and 'F')", rationale='Box plots effectively show the distributio...`

A visualization goal

index int	2
question str	"Is there a significant difference in systolic and diastolic blood pressure ('systolic', 'diastolic') between genders ('gender')?"
rationale str	'Box plots effectively show the distribution and central tendency of blood pressure for each gender, allowing for easy comparison and identification of potential gender-based differences in blood pressure.'
visualization str	"Box plot comparing 'systolic' and 'diastolic' for 'gender' categories ('M' and 'F')"



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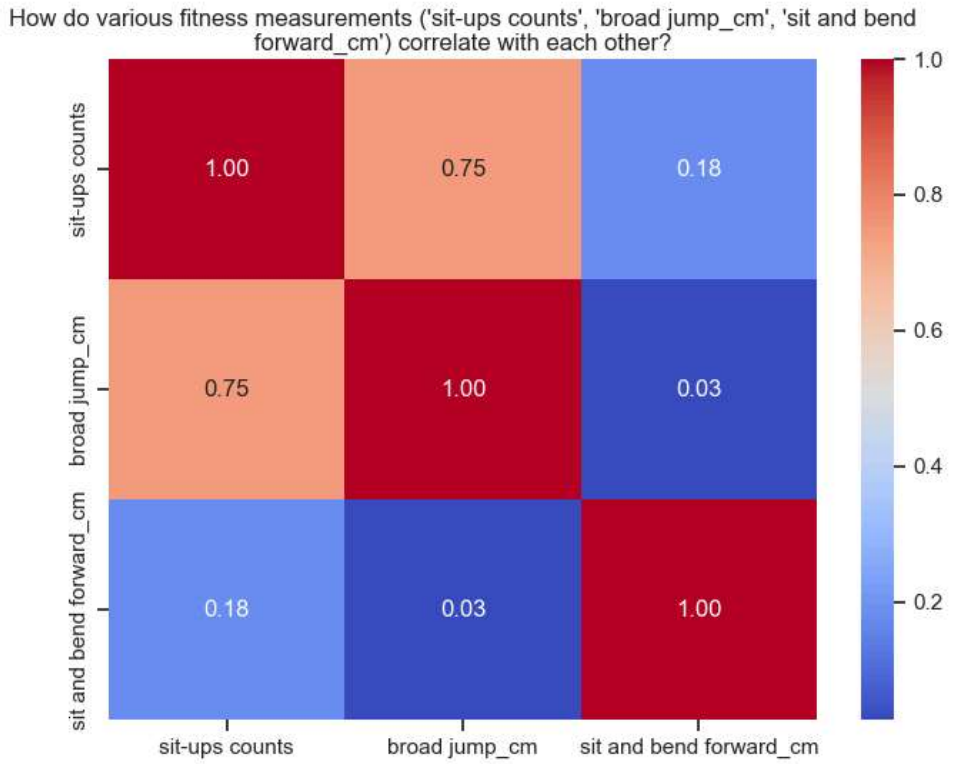
✷ Insight 3:

```
main() Goal Goal(question="How do various fitness measurements ('sit-ups counts', 'broad jump_cm', 'sit and bend forward_cm') correlate with each other?", visualization="Correlation matrix heatmap showing the correlation coefficients between 'sit-ups counts', 'broad jump_cm', and 'sit and bend forward_cm'", rat...
```

A visualization goal

index int	3
question str	"How do various fitness measurements ('sit-ups counts', 'broad jump_cm', 'sit and bend forward_cm') correlate with each other?"
rationale str	'A correlation matrix heatmap provides a concise overview of the relationships between these fitness measures. Strong positive or negative correlations will indicate potential interdependencies in fitness levels.'
visualization str	"Correlation matrix heatmap showing the correlation coefficients between 'sit-ups counts', 'broad jump_cm', and 'sit and bend forward_cm'"



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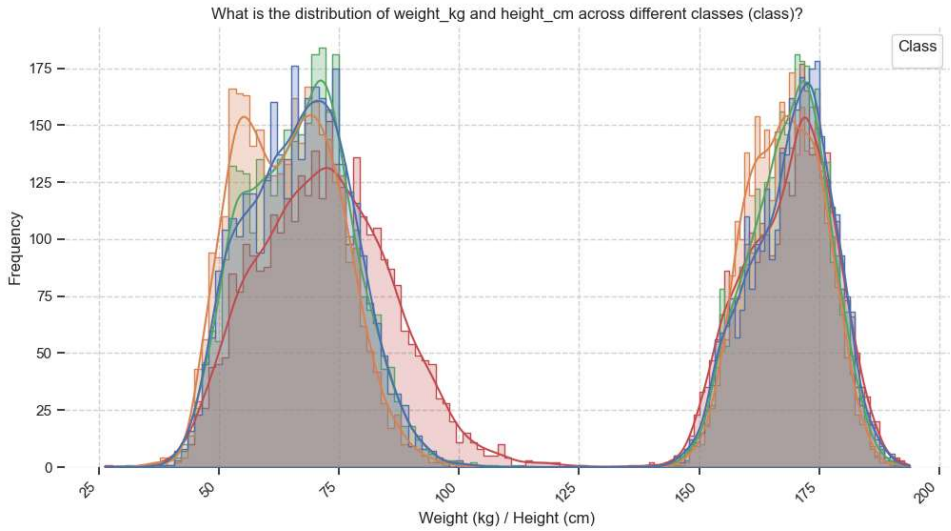
✷ Insight 4:

```
main() Goal Goal(question="What is the distribution of 'weight_kg' and 'height_cm' across different classes ('class')?", visualization="Overlaid histograms of 'weight_kg' and 'height_cm', with different colors representing each 'class'", rationale='This will allow visual inspection for differences in weight and...
```

A visualization goal

index int	4
question str	"What is the distribution of 'weight_kg' and 'height_cm' across different classes ('class')?"
rationale str	'This will allow visual inspection for differences in weight and height distributions between the different classes. Overlaying the histograms enables direct comparison of the distributions.'
visualization str	"Overlaid histograms of 'weight_kg' and 'height_cm', with different colors representing each 'class'"



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