- Home
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- 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

0.00

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.

	age	gender	height_cm	weight_kg	body fat_%	diastolic	systolic	gripForce	sit and bend forward_cm	si
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!

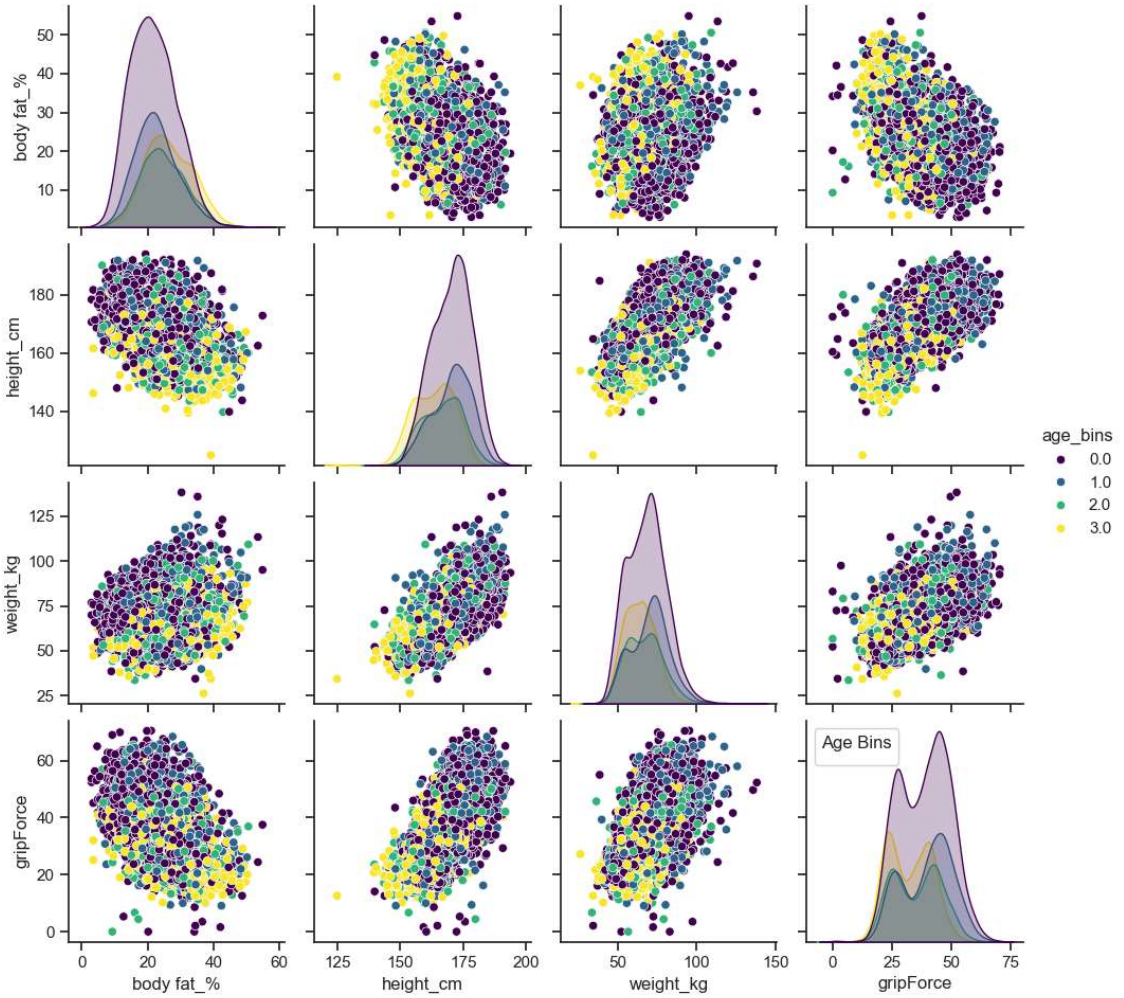
Generate Charts

✷ Insight 0:

main() Goal Goal(question='How does body fat percentage correlate with other physiological measurements (height, weight, grip strength) across different age groups?', visualization="Scatter plot matrix showing correlations between 'body fat_%', 'height_cm', 'weight_kg', 'gripForce', and colored by 'age' bins.",...

A visualization goal

index int	0
question str	'How does body fat percentage correlate with other physiological measurements (height, weight, grip strength) across different age groups?'
rationale str	'This visualization will reveal potential relationships between body fat and other physical attributes, stratified by age. We can identify if these relationships change significantly across different age ranges, providing insights into age-related physiological changes.'
visualization str	"Scatter plot matrix showing correlations between 'body fat_%', 'height_cm', 'weight_kg', 'gripForce', and colored by 'age' bins."



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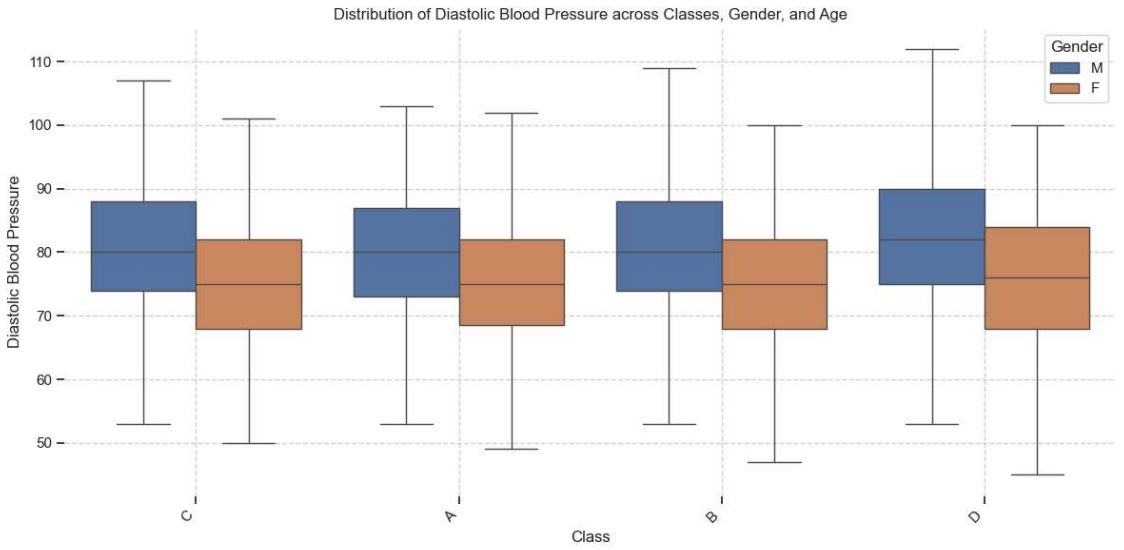
VizOps

✷ Insight 1:

main() Goal Goal(question='What is the distribution of systolic and diastolic blood pressure across different classes, and how does it vary with age and gender?', visualization="Box plots of 'systolic' and 'diastolic' for each 'class', with separate boxes for each 'gender' and further categorized by 'age' bins....

A visualization goal

index int	1
question str	'What is the distribution of systolic and diastolic blood pressure across different classes, and how does it vary with age and gender?'
rationale str	'This will show the distribution of blood pressure within each class, highlighting potential differences between genders and age groups. Outliers can also be identified, indicating potential health concerns within specific subgroups.'
visualization str	"Box plots of 'systolic' and 'diastolic' for each 'class', with separate boxes for each 'gender' and further categorized by 'age' bins."



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VizOps

✷ Insight 2:

main() Goal Goal(question="Is there a significant difference in physical performance metrics ('sit-ups counts', 'broad jump_cm', 'sit and bend forward_cm') based on class and gender?", visualization="Grouped bar chart comparing the means and standard deviations of 'sit-ups counts', 'broad jump_cm', and 'sit and...

A visualization goal

index int	2
question str	"Is there a significant difference in physical performance metrics ('sit-ups counts', 'broad jump_cm', 'sit and bend forward_cm') based on class and gender?"
rationale str	'This will directly compare physical performance across classes and genders, allowing for the identification of significant differences in fitness levels. Error bars will show the variability within each group.'
visualization str	"Grouped bar chart comparing the means and standard deviations of 'sit-ups counts', 'broad jump_cm', and 'sit and bend forward_cm' across different 'class' levels, separated by 'gender'."

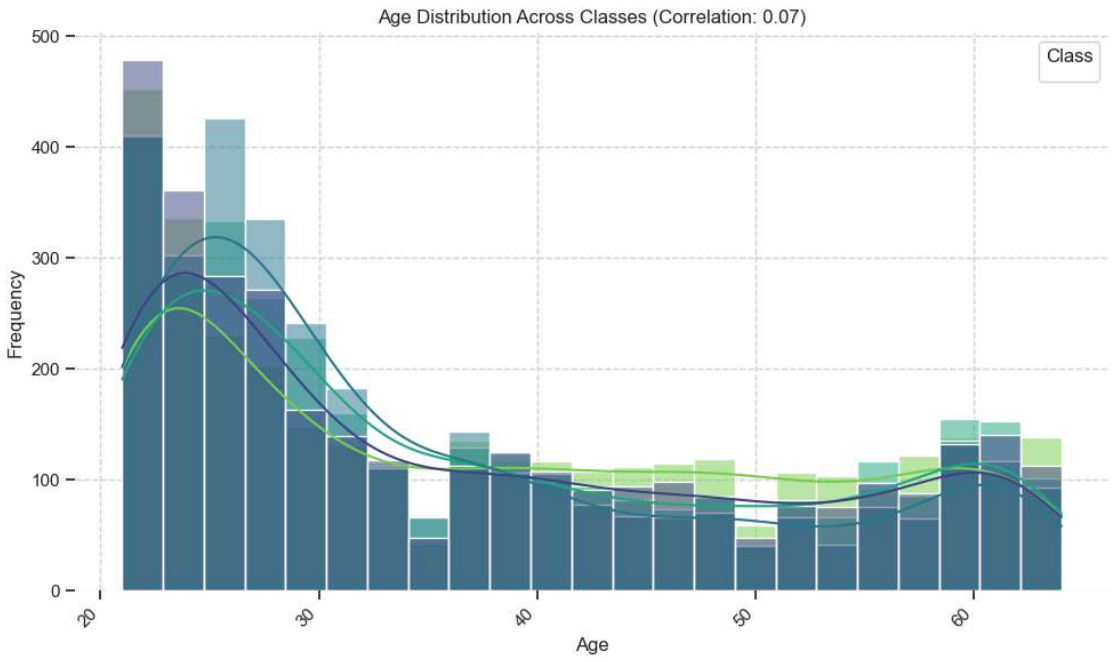
✷ Insight 3:

main() Goal Goal(question='How does the distribution of age vary across different classes, and is there a correlation between age and class assignment?', visualization="Overlaid histograms of 'age' for each 'class', with a correlation coefficient displayed.", rationale='This will visually represent the age dist...

A visualization goal

index int	3
question str	'How does the distribution of age vary across different classes, and is there a correlation between age and class assignment?'
rationale str	'This will visually represent the age distribution within each class, revealing potential age-related biases in class assignment. The correlation coefficient will quantify the strength of the relationship between age and class.'

visualization str	"Overlaid histograms of 'age' for each 'class', with a correlation coefficient displayed."



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VizOps

✷ Insight 4:

main() Goal Goal(question='What are the overall descriptive statistics (mean, standard deviation, min, max) for all numerical features, broken down by class?', visualization="Table summarizing the mean, standard deviation, minimum, and maximum values of all numerical fields ('age', 'height_cm', 'weight_kg', 'bo...

A visualization goal

index int	4

question str	'What are the overall descriptive statistics (mean, standard deviation, min, max) for all numerical features, broken down by class?'
rationale str	'This provides a concise summary of the key descriptive statistics for each numerical feature, allowing for a quick comparison of the characteristics of each class. This is essential for understanding the overall differences between classes.'
visualization str	"Table summarizing the mean, standard deviation, minimum, and maximum values of all numerical fields ('age', 'height_cm', 'weight_kg', 'body fat_%', 'diastolic', 'systolic', 'gripForce', 'sit and bend forward_cm', 'sit-ups counts', 'broad jump_cm') for each 'class'."