- 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

diabetes.csv 23.3KB

Successfully uploaded a CSV file with 768 rows of data.

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcor
0	6	148	72	35	0	33.6	0.627	50	
1	1	85	66	29	0	26.6	0.351	31	
2	8	183	64	0	0	23.3	0.672	32	
3	1	89	66	23	94	28.1	0.167	21	
4	0	137	40	35	168	43.1	2.288	33	

No missing or duplicate values found in the data.

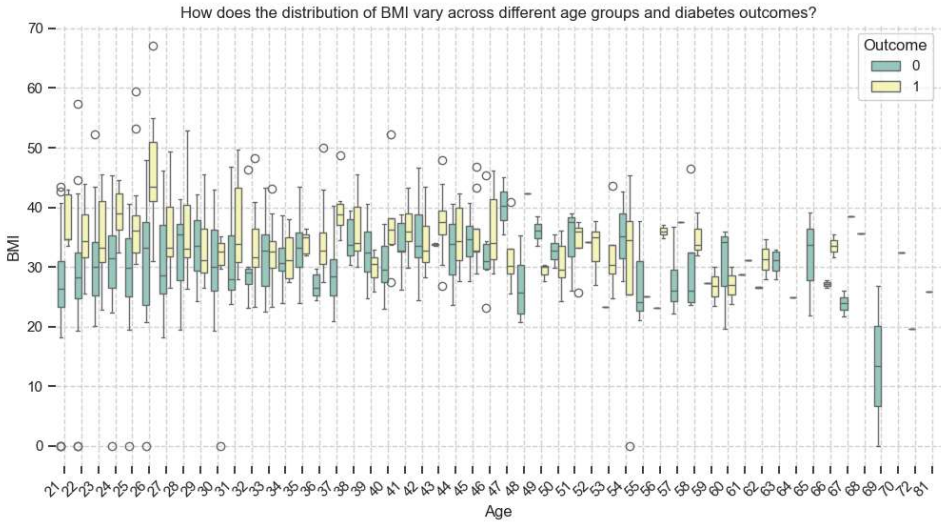
Generate Charts

✷ Insight 0:

`main() Goal Goal(question='How does the distribution of BMI vary across different age groups and diabetes outcomes?', visualization='Box plot of BMI grouped by Age and Outcome', rationale="This visualization uses 'BMI', 'Age', and 'Outcome' to reveal potential correlations between BMI, age, and diabetes diagnos...`

A visualization goal

index int	0
question str	'How does the distribution of BMI vary across different age groups and diabetes outcomes?'
rationale str	"This visualization uses 'BMI', 'Age', and 'Outcome' to reveal potential correlations between BMI, age, and diabetes diagnosis. Box plots effectively show the distribution (median, quartiles, outliers) of BMI for each age group within each diabetes outcome category, highlighting potential trends or...
visualization str	'Box plot of BMI grouped by Age and Outcome'



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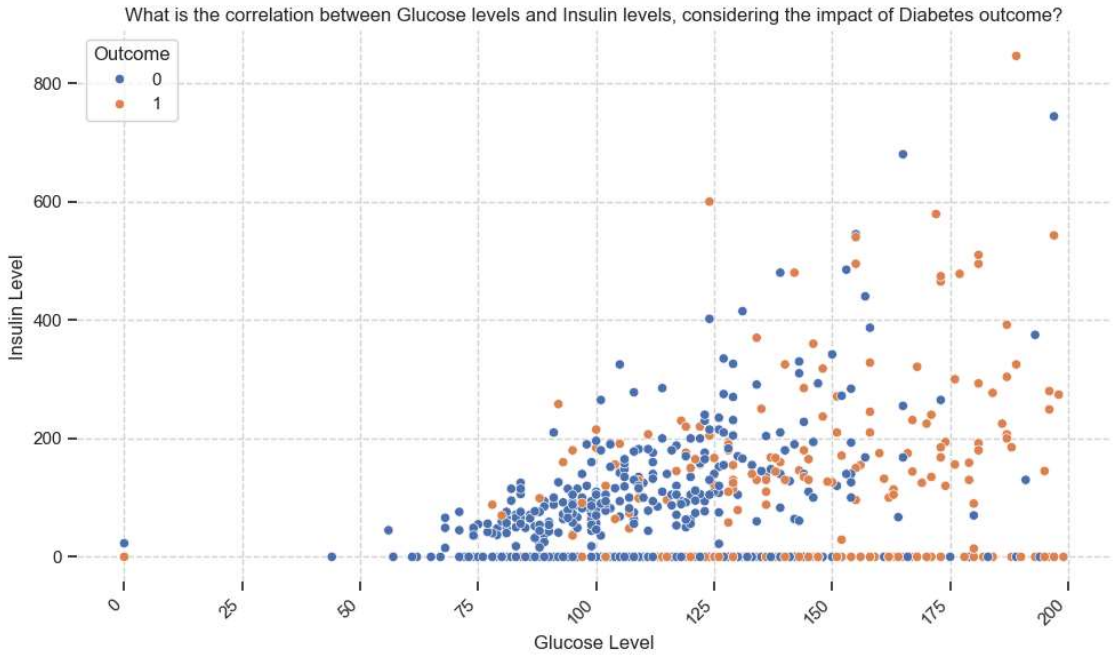
VizOps

✷ Insight 1:

main() Goal Goal(question='What is the correlation between Glucose levels and Insulin levels, considering the impact of Diabetes outcome?', visualization='Scatter plot of Glucose vs. Insulin, colored by Outcome', rationale="This uses 'Glucose', 'Insulin', and 'Outcome'. The scatter plot will show the relations...

A visualization goal

index int	1
question str	'What is the correlation between Glucose levels and Insulin levels, considering the impact of Diabetes outcome?'
rationale str	"This uses 'Glucose', 'Insulin', and 'Outcome'. The scatter plot will show the relationship between glucose and insulin levels. Color-coding by 'Outcome' will reveal if this relationship differs significantly between individuals with and without diabetes, potentially identifying patterns in insuli...
visualization str	'Scatter plot of Glucose vs. Insulin, colored by Outcome'



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VizOps

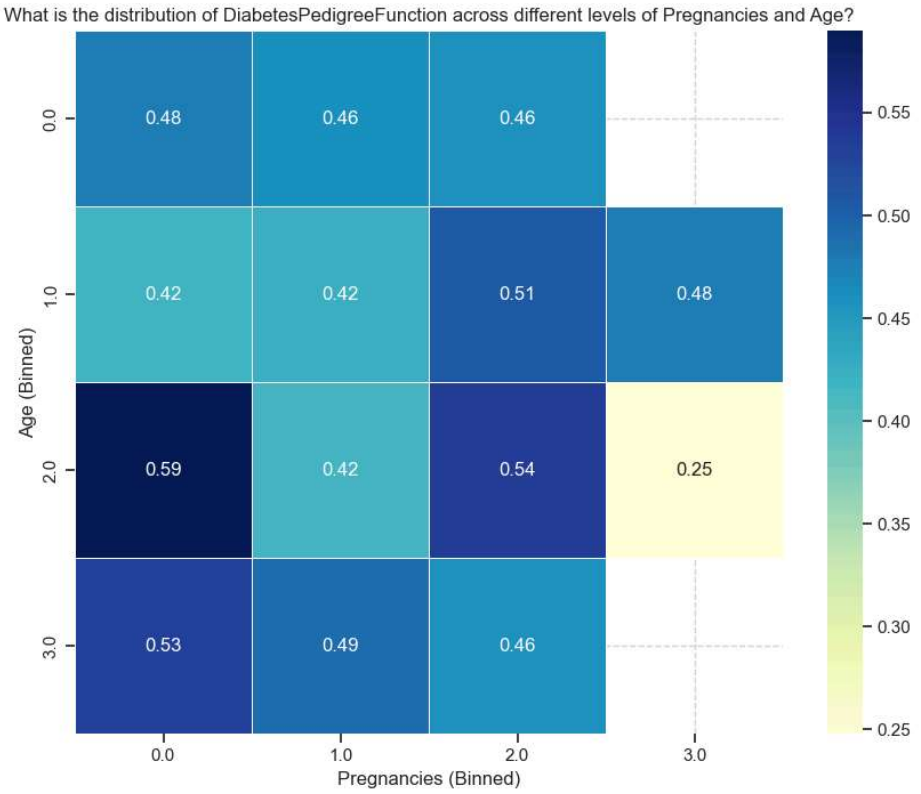
✷ Insight 2:

`main() Goal Goal(question='What is the distribution of DiabetesPedigreeFunction across different levels of Pregnancies and Age?', visualization='Heatmap of DiabetesPedigreeFunction, binned by Pregnancies and Age', rationale="This visualization uses 'DiabetesPedigreeFunction', 'Pregnancies', and 'Age'. A heatmap...`

A visualization goal

index int	2
question str	'What is the distribution of DiabetesPedigreeFunction across different levels of Pregnancies and Age?'
rationale str	"This visualization uses 'DiabetesPedigreeFunction', 'Pregnancies', and 'Age'. A heatmap will show the density of DiabetesPedigreeFunction

	values across various combinations of pregnancies and age, revealing potential clusters or patterns suggesting how family history of diabetes interacts with age ...
visualization str	'Heatmap of DiabetesPedigreeFunction, binned by Pregnancies and Age'



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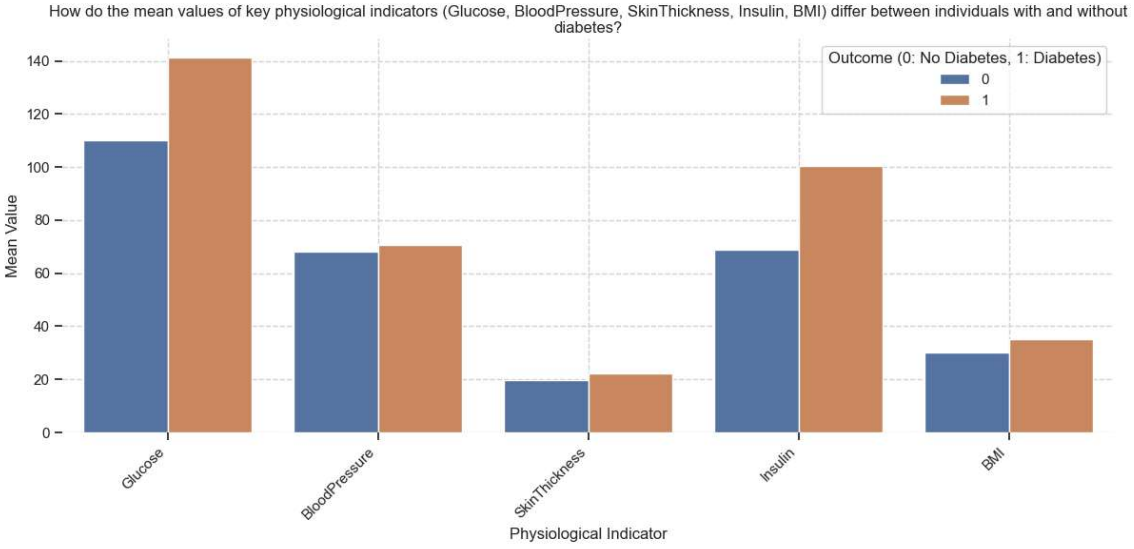
✷ Insight 3:

main() Goal Goal(question='How do the mean values of key physiological indicators (Glucose, BloodPressure, SkinThickness, Insulin, BMI) differ between individuals with and without diabetes?', visualization='Bar chart comparing the means of Glucose, BloodPressure, SkinThickness, Insulin, and BMI for Outcome = 0 ...

A visualization goal

index int	3
question str	'How do the mean values of key physiological indicators (Glucose, BloodPressure, SkinThickness, Insulin, BMI) differ between individuals with and without diabetes?'
rationale str	"This uses 'Glucose', 'BloodPressure', 'SkinThickness', 'Insulin', 'BMI', and 'Outcome'. By comparing the means of these variables between the two outcome groups (diabetes vs. no diabetes), we can identify which physiological indicators are significantly different between the groups, providing insi...
visualization str	'Bar chart comparing the means of Glucose, BloodPressure, SkinThickness, Insulin, and BMI for Outcome = 0 and Outcome = 1'



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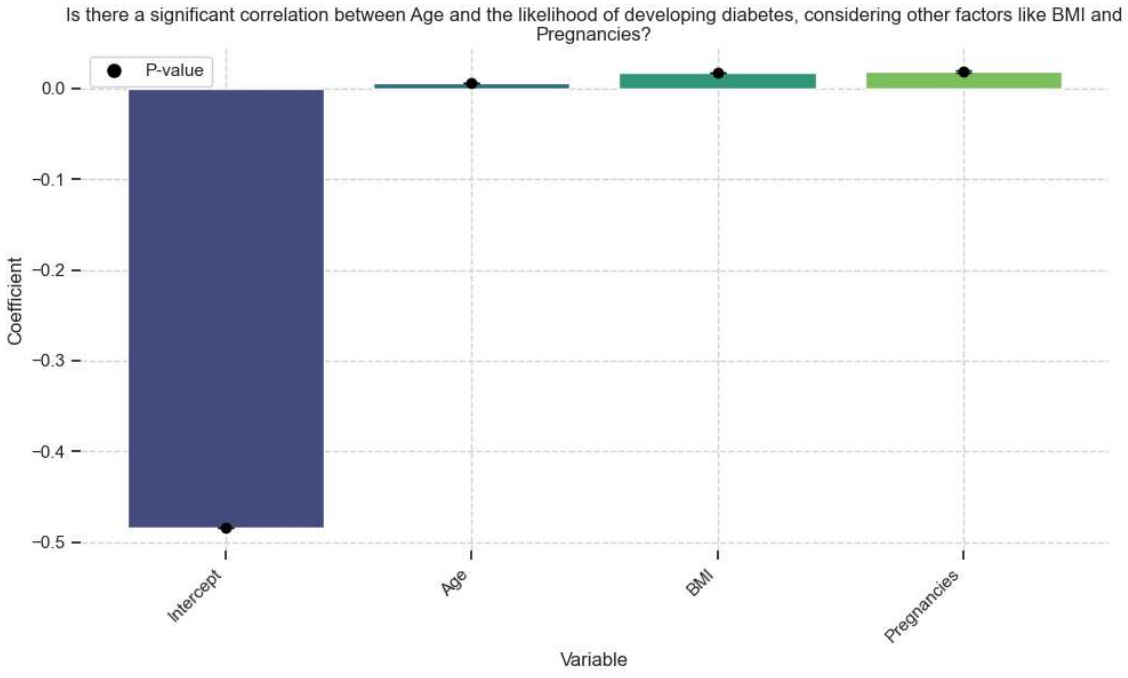
✷ Insight 4:

`main()` `Goal` `Goal(question='Is there a significant correlation between Age and the likelihood of developing diabetes, considering other factors like BMI and Pregnancies?', visualization='Multiple linear regression model predicting Outcome based on Age, BMI, and Pregnancies, visualizing coefficients and p-values'...`

A visualization goal

index `int`	4
question `str`	'Is there a significant correlation between Age and the likelihood of developing diabetes, considering other factors like BMI and Pregnancies?'
rationale `str`	"This uses 'Age', 'BMI', 'Pregnancies', and 'Outcome'. A multiple linear regression model will quantify the independent effects of age, BMI, and pregnancies on the probability of developing diabetes. Visualizing the coefficients and p-values will reveal the strength and statistical significance of ...
visualization `str`	'Multiple linear regression model predicting Outcome based on Age, BMI, and Pregnancies, visualizing coefficients and p-values'



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