- 🏠 Home
- Dashboard
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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

0.30

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.

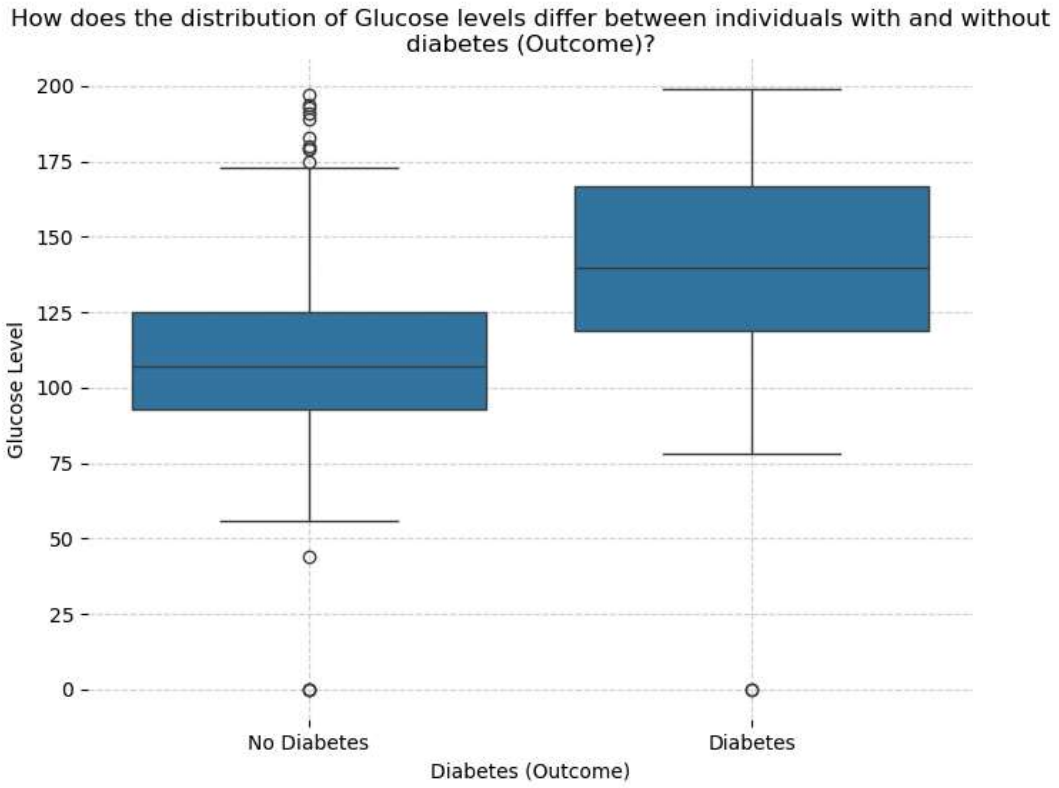
Generate Charts

✷ Insight 0:

main() Goal Goal(question='How does the distribution of Glucose levels differ between individuals with and without diabetes (Outcome)?', visualization='Box plot of Glucose by Outcome', rationale="Comparing the distributions of Glucose levels using box plots will reveal potential differences in central tendency ...

A visualization goal

index int	0
question str	'How does the distribution of Glucose levels differ between individuals with and without diabetes (Outcome)?'
rationale str	"Comparing the distributions of Glucose levels using box plots will reveal potential differences in central tendency and variability between the two groups, providing insights into the relationship between glucose and diabetes diagnosis. This uses the 'Glucose' and 'Outcome' fields."
visualization str	'Box plot of Glucose by Outcome'



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VizOps

✷ Insight 1:

```
main() Goal Goal(question='What is the correlation between BMI and various other factors (Pregnancies, Age, Insulin, BloodPressure) and how does this correlation vary with diabetes outcome?', visualization='Scatter plot matrix of BMI vs. Pregnancies, Age, Insulin, BloodPressure, colored by Outcome', rationale="...
```

A visualization goal

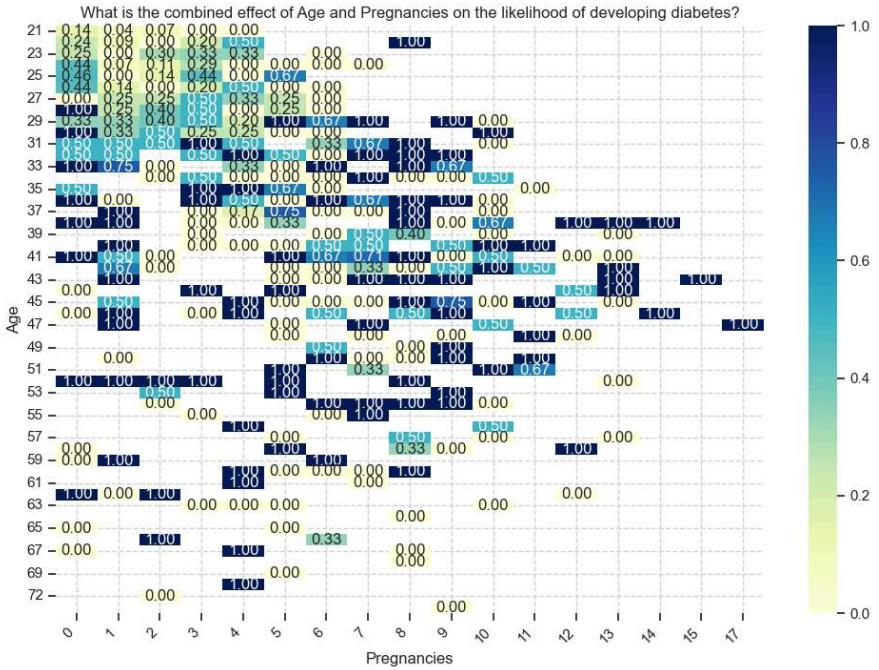
index int	1
question str	'What is the correlation between BMI and various other factors (Pregnancies, Age, Insulin, BloodPressure) and how does this correlation vary with diabetes outcome?'
rationale str	"A scatter plot matrix will visualize the pairwise correlations between BMI and other key variables. Color-coding by 'Outcome' will reveal if these correlations differ significantly between diabetic and non-diabetic individuals. This uses 'BMI', 'Pregnancies', 'Age', 'Insulin', 'BloodPressure', and...
visualization str	'Scatter plot matrix of BMI vs. Pregnancies, Age, Insulin, BloodPressure, colored by Outcome'

✷ Insight 2:

main() Goal Goal(question='What is the combined effect of Age and Pregnancies on the likelihood of developing diabetes?', visualization='Heatmap showing the probability of Outcome (Diabetes) for different combinations of Age and Pregnancies', rationale="A heatmap will effectively visualize the interaction betwe...

A visualization goal

index int	2
question str	'What is the combined effect of Age and Pregnancies on the likelihood of developing diabetes?'
rationale str	"A heatmap will effectively visualize the interaction between Age and Pregnancies on the probability of diabetes. This will reveal potential synergistic effects or thresholds. This uses 'Age', 'Pregnancies', and 'Outcome' fields."
visualization str	'Heatmap showing the probability of Outcome (Diabetes) for different combinations of Age and Pregnancies'



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VizOps

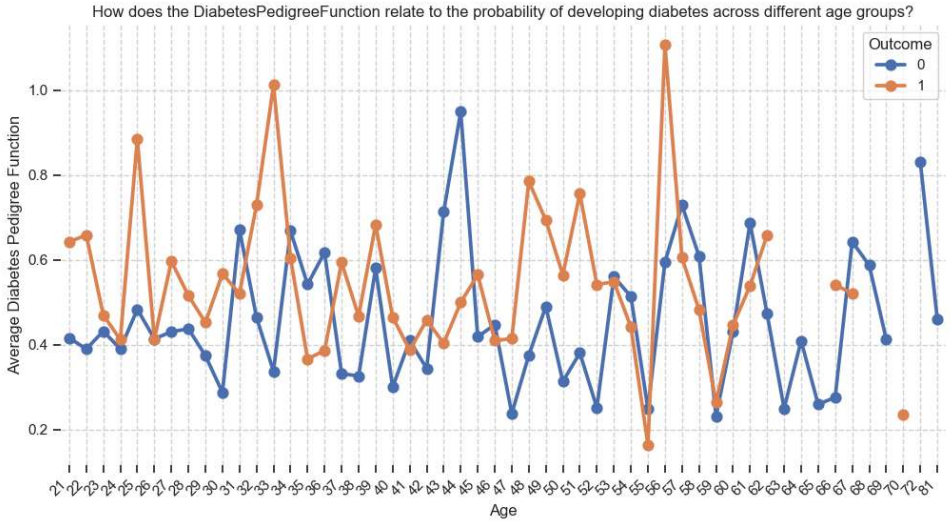
✷ Insight 3:

```
main() Goal Goal(question='How does the DiabetesPedigreeFunction relate to the probability of developing diabetes across different age groups?', visualization='Line plot showing the average DiabetesPedigreeFunction for each age group, with error bars representing the standard deviation, colored by Outcome', rat...
```

A visualization goal

index int	3
question str	'How does the DiabetesPedigreeFunction relate to the probability of developing diabetes across different age groups?'

rationale str	"This visualization will show the trend of DiabetesPedigreeFunction with age and how it differs between those with and without diabetes. Error bars provide a measure of uncertainty. This uses 'DiabetesPedigreeFunction', 'Age', and 'Outcome' fields."
visualization str	'Line plot showing the average DiabetesPedigreeFunction for each age group, with error bars representing the standard deviation, colored by Outcome'



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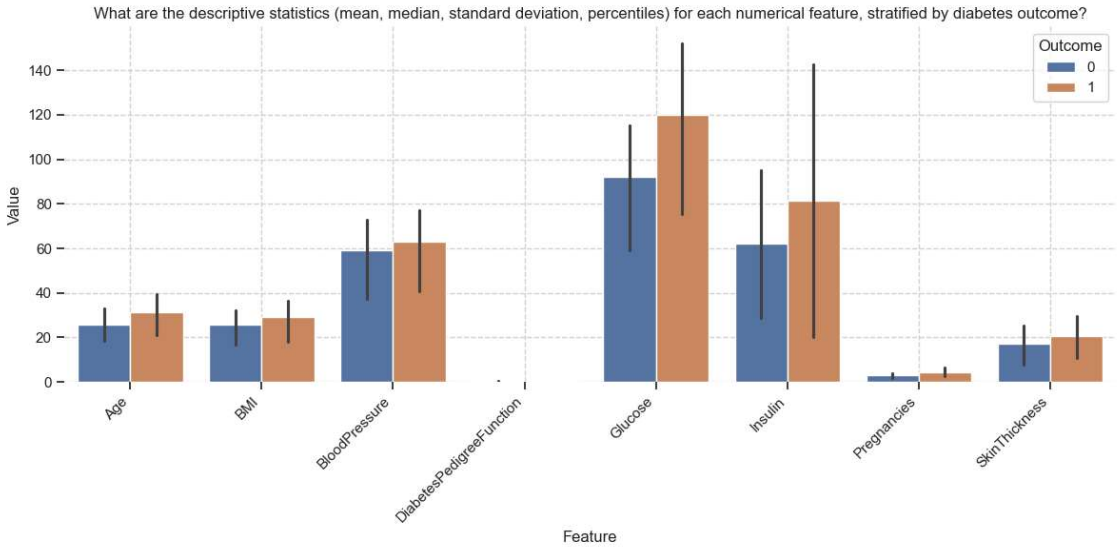
✷ Insight 4:

main() Goal Goal(question='What are the descriptive statistics (mean, median, standard deviation, percentiles) for each numerical feature, stratified by diabetes outcome?', visualization="Table summarizing descriptive statistics (mean, median, standard deviation, min, max, percentiles) for each numerical field ...

A visualization goal

index int	4

question str	'What are the descriptive statistics (mean, median, standard deviation, percentiles) for each numerical feature, stratified by diabetes outcome?'
rationale str	"A summary table provides a concise overview of the central tendency, dispersion, and range of each numerical variable for both diabetic and non-diabetic groups, facilitating a quick comparison of key characteristics. This uses all numerical fields and 'Outcome'."
visualization str	"Table summarizing descriptive statistics (mean, median, standard deviation, min, max, percentiles) for each numerical field ('Pregnancies', 'Glucose', 'BloodPressure', 'SkinThickness', 'Insulin', 'BMI', 'DiabetesPedigreeFunction', 'Age') stratified by 'Outcome'"



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