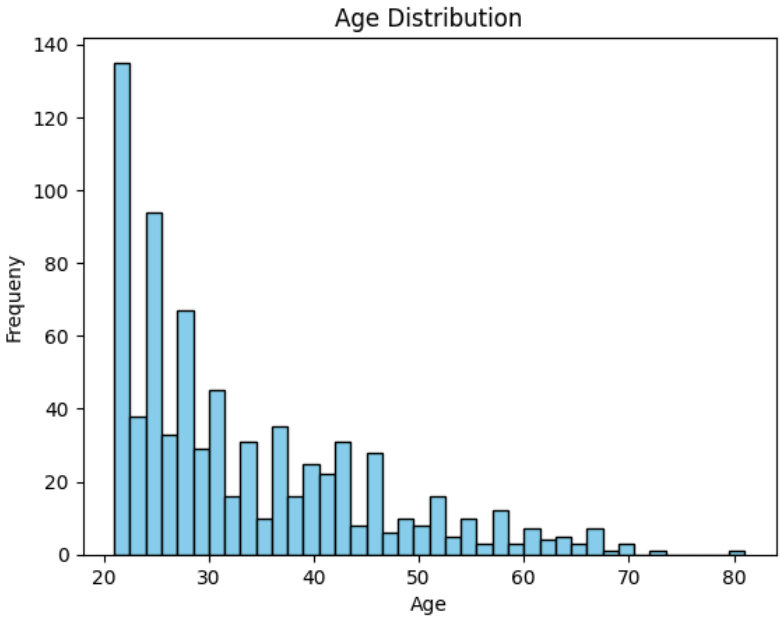
```
import pandas as pd
import matplotlib.pyplot as plt
df=pd.read_csv('/content/archive (4).zip')
plt.hist(df['Age'], bins=40, color='skyblue',edgecolor='black')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Frequeny')
plt.show()
```




```
summary=df.describe()
print(summary)
```

```
       Pregnancies     Glucose  BloodPressure  SkinThickness     I
count   768.000000  768.000000     768.000000     768.000000  768.
mean      3.845052  120.894531      69.105469      20.536458   79.
std       3.369578   31.972618      19.355807      15.952218  115.
min       0.000000    0.000000       0.000000       0.000000    0.
25%       1.000000   99.000000      62.000000       0.000000    0.
50%       3.000000  117.000000      72.000000      23.000000   30.
75%       6.000000  140.250000      80.000000      32.000000  127.
max      17.000000  199.000000     122.000000      99.000000  846.

              BMI  DiabetesPedigreeFunction         Age     Outcom
count  768.000000                768.000000  768.000000  768.00000
mean    31.992578                  0.471876   33.240885    0.34895
std      7.884160                  0.331329   11.760232    0.47695
min      0.000000                  0.078000   21.000000    0.00000
25%     27.300000                  0.243750   24.000000    0.00000
50%     32.000000                  0.372500   29.000000    0.00000
75%     36.600000                  0.626250   41.000000    1.00000
max     67.100000                  2.420000   81.000000    1.00000
```

Start coding or generate with AI.

Release notes FileNotFoundError

Please explain the error:

```
FileNotFoundError: [Errno 2] No such file
```

Hypothesis

The error message `FileNotFoundError: [Errno 2] No such file or directory: '/content/archive (4).zip'` clearly indicates that the Python interpreter cannot find the file specified in the `pd.read_csv()` function call. This is likely due to one of the following reasons:

1. **Incorrect file path:** The file '/content/archive (4).zip' may not exist in the specified location or the path provided is incorrect. Double-check the file name and path.
2. **File not accessible:** The file may exist but your script might not have the necessary permissions to access it. Ensure that the file permissions are set correctly.

Suggested Changes

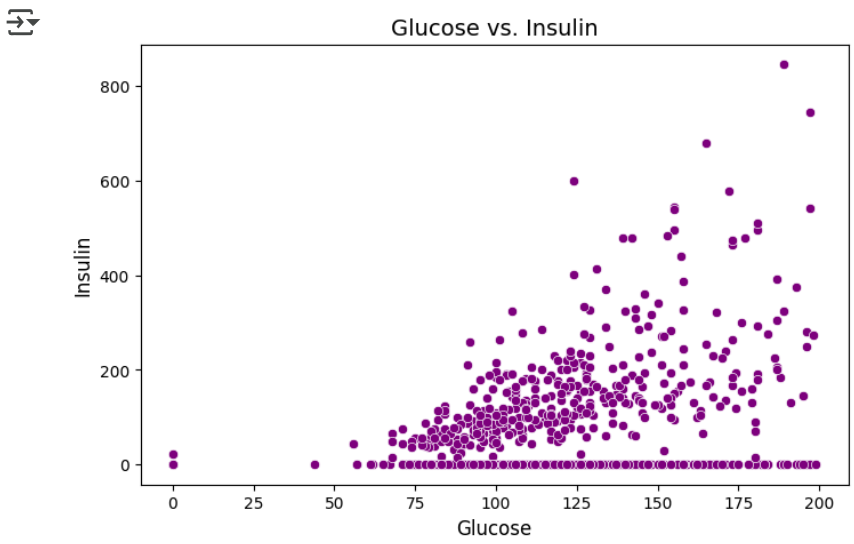
```
import pandas as pd
import matplotlib.pyplot as plt

# Verify the correct file path and name
file_path = '/content/archive (4).zip'

# Try reading the file using the correct
try:
    df = pd.read_csv(file_path)
except FileNotFoundError:
    print(f"Error: File not found at '{
    # If running in a Colab or Jupyter
    # from google.colab import files
    # uploaded = files.upload()
    # Then adjust the file_path accordi
else:
    plt.hist(df['Age'], bins=40, color=
    plt.title('Age Distribution')
    plt.xlabel('Age')
    plt.ylabel('Frequeny')
    plt.show()
```

Use code with caution

Explanation of Changes:

1. **Error Handling:** The code is wrapped in a `try-except` block to gracefully handle the potential `FileNotFoundError`.

```
import seaborn as sns
plt.figure(figsize=(8, 5))
sns.scatterplot(x=df['Glucose'], y=df['Insulin'], color='purple')
plt.title('Glucose vs. Insulin', fontsize=14)
plt.xlabel('Glucose', fontsize=12)
plt.ylabel('Insulin', fontsize=12)
plt.show()
```




```
 plt.figure(figsize=(10, 6))
corr_matrix = df.corr()
sns.heatmap(corr_matrix, annot=True, fmt='.2f', cmap='coolwarm', cbar=Tr
plt.title('Correlation Heatmap', fontsize=14)
plt.show()
```

2. **Printing Error Message:** If the file is not found, a clear error message is printed to the console, guiding the user to check the file path.
3. **Suggestion for File Upload:** If the user is in a Colab or Jupyter notebook environment, the code suggests using `google.colab.files.upload()` to upload the file if it's not already present.

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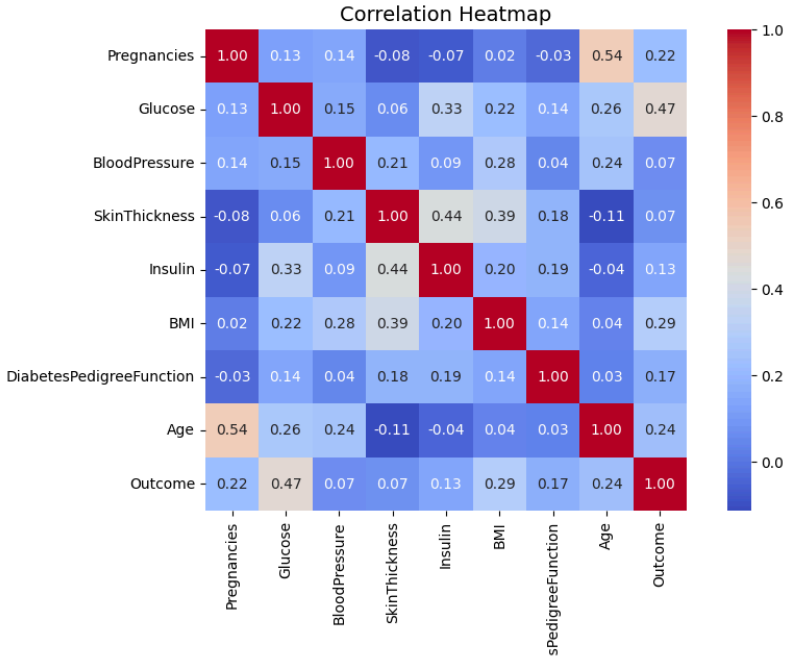

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