

Python Code: Electricity Access Analysis

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

# Load CSV data
df = pd.read_csv('global-data-on-sustainable-energy.csv')

# Filter data for Afghanistan (2000-2005)
df_afghanistan = df[(df['Entity'] == 'Afghanistan') & (df['Year'] >= 2000) & (df['Year']
<= 2005)]

# Bar Chart: Access to electricity
plt.figure()
plt.bar(df_afghanistan['Year'], df_afghanistan['Access to electricity (% of
population)'], color='red')
plt.title('Access to Electricity (2000-2005)')
plt.xlabel('Year')
plt.ylabel('% of Population')
plt.savefig('bar_chart.png')

# Scatter Plot: GDP per capita vs Access to electricity
plt.figure()
plt.scatter(df_afghanistan['gdp_per_capita'], df_afghanistan['Access to electricity (%
of population)'])
plt.title('GDP vs Electricity Access')
plt.xlabel('GDP per Capita')
plt.ylabel('Access to Electricity (%)')
plt.savefig('scatter_plot.png')
```