Zero Hunger
AIML PROJECT

NAME : Lakshya Tyagi
SAP: 500122521
ROLL NO : R2142230324
BATCH : 11

```python
from google.colab import drive
drive.mount('/content/drive')
import pandas as pd
import matplotlib.pyplot as plt
import csv


try:
    # Attempt to load the CSV file
    data = pd.read_csv('/content/drive/My Drive/prevalence-of-undernourishment.csv')
    print("File loaded successfully!")
    print("First few rows of the dataset:")
    print(data.head())
except FileNotFoundError:
    print("Error: File not found. Please check the file path and try again.")
except Exception as e:
    print(f"An error occurred: {e}")

data = pd.read_csv('/content/drive/My Drive/prevalence-of-undernourishment.csv')

# 1. Viewing the first few rows
print("First few rows of the dataset:")
print(data.head())

# 2. Cleaning or processing the data
# Checking for missing values
print("\nMissing values in each column:")
print(data.isnull().sum())

# Drop rows with missing values (if necessary)
data = data.dropna()

# 3. Summary statistics
print("\nSummary statistics:")
print(data.describe())

# 4. Visualizing trends (Example: Time series plot for a specific country)
                                                            ia')
```

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```
print( \nSummary statistics: )
print(data.describe())

# 4. Visualizing trends (Example: Time series plot for a specific country)
# Filter the dataset for a specific country (e.g., 'India')
country_data = data[data['Entity'] == 'India']
print(country_data.columns)

plt.figure(figsize=(10, 6))
plt.plot(country_data['Year'], country_data['Prevalence of undernourishment (% of population)'], marker='o')
plt.title('Prevalence of Undernourishment in India Over Time')
plt.xlabel('Year')
plt.ylabel('Prevalence of Undernourishment (% of population)')
plt.grid()
plt.show()
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
File loaded successfully!
First few rows of the dataset:
        Entity Code  Year  Prevalence of undernourishment (% of population)
0  Afghanistan  AFG  2001                                        47.799999
1  Afghanistan  AFG  2002                                        45.599998
2  Afghanistan  AFG  2003                                        40.599998
3  Afghanistan  AFG  2004                                        38.000000
4  Afghanistan  AFG  2005                                        36.099998
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Missing values in each column:
Entity                                               0
Code                                               266
Year                                                 0
Prevalence of undernourishment (% of population)     0
dtype: int64
```
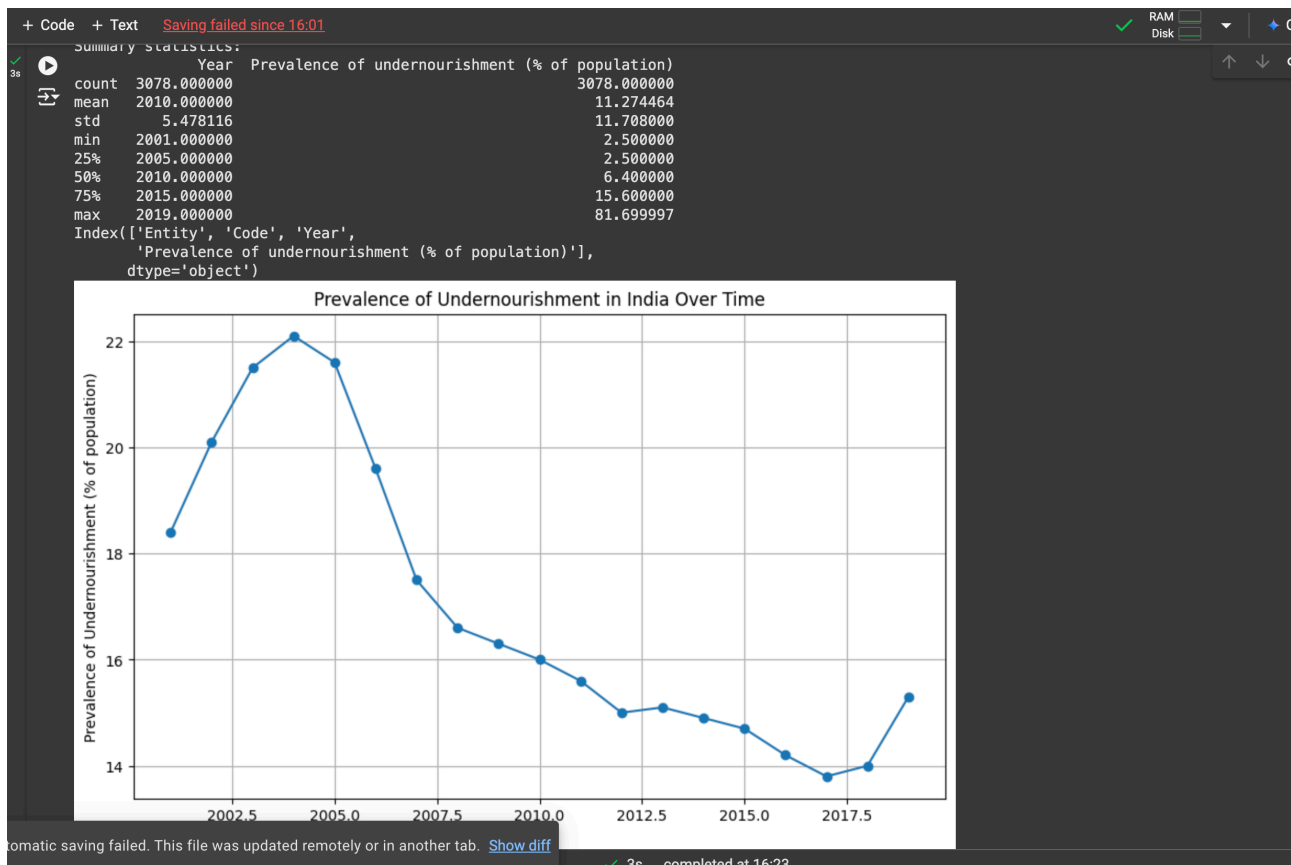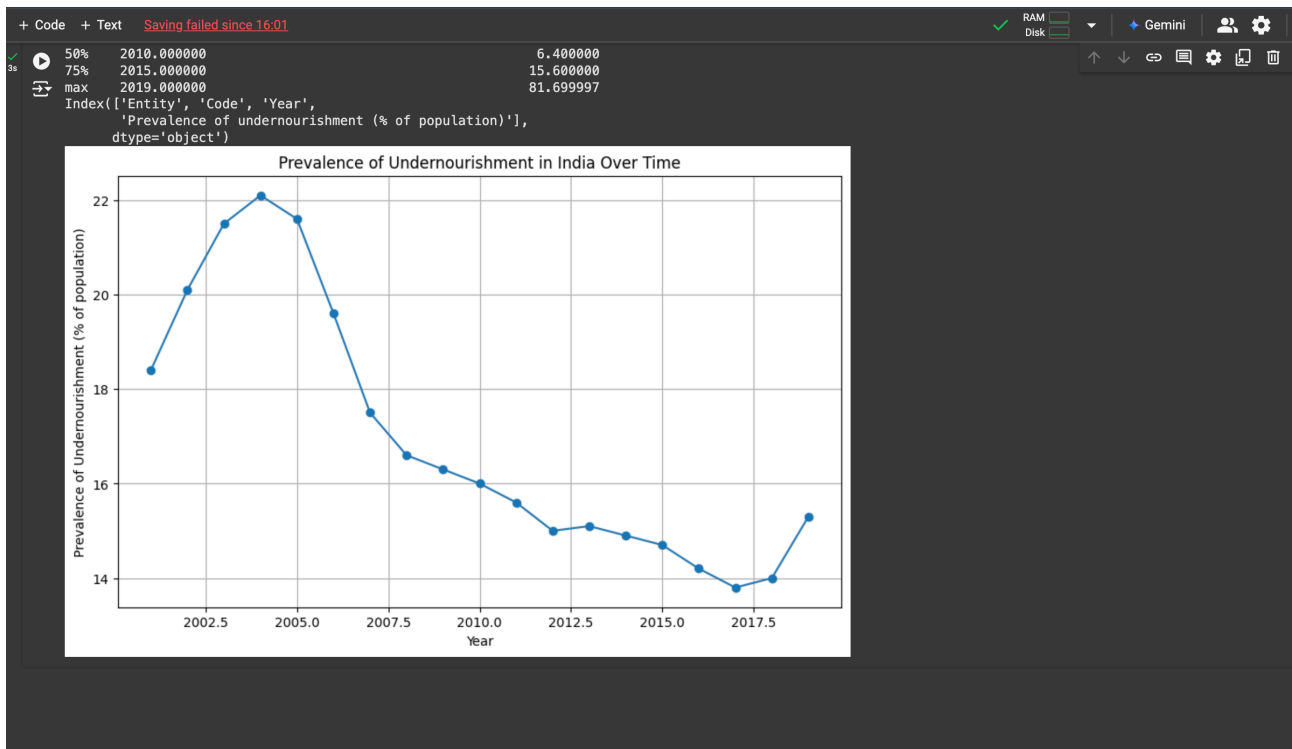
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```
Summary statistics:
              Year  Prevalence of undernourishment (% of population)
count  3078.000000                                       3078.000000
mean   2010.000000                                         11.274464
std       5.478116                                         11.708000
min    2001.000000                                          2.500000
25%    2005.000000                                          2.500000
50%    2010.000000                                          6.400000
75%    2015.000000                                         15.600000
max    2019.000000                                         81.699997
Index(['Entity', 'Code', 'Year',
       'Prevalence of undernourishment (% of population)'],
      dtype='object')
```

Prevalence of Undernourishment in India Over Time

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```
50%    2010.000000                                          6.400000
75%    2015.000000                                         15.600000
max    2019.000000                                         81.699997
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Prevalence of Undernourishment in India Over Time

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