

```
import pandas as pd

import matplotlib.pyplot as plt

from scipy.stats import linregress


def draw_plot():

    # Read data

    df = pd.read_csv("epa-sea-level.csv")


    # Create scatter plot

    fig, ax = plt.subplots(figsize=(10, 6))

    ax.scatter(df["Year"], df["CSIRO Adjusted Sea Level"], label="Data", color='blue')


    # Line of best fit for all data

    result = linregress(df["Year"], df["CSIRO Adjusted Sea Level"])

    x_pred = pd.Series(range(1880, 2051))

    y_pred = result.slope * x_pred + result.intercept

    ax.plot(x_pred, y_pred, label="Best Fit: 1880–2050", color='red')


    # Line of best fit for year 2000 onward

    df_recent = df[df["Year"] >= 2000]

    result_recent = linregress(df_recent["Year"], df_recent["CSIRO Adjusted Sea Level"])

    x_recent = pd.Series(range(2000, 2051))

    y_recent = result_recent.slope * x_recent + result_recent.intercept

    ax.plot(x_recent, y_recent, label="Best Fit: 2000–2050", color='green')


    # Chart labels and title
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ax.set_title("Rise in Sea Level")  
ax.set_xlabel("Year")  
ax.set_ylabel("Sea Level (inches)")  
ax.legend()
```

```
# Save and return figure
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plt.tight_layout()
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plt.savefig('sea_level_plot.png')
```

```
return fig
```