

Loading Data

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In [11]: import pandas as pd

rainfall_data = pd.read_csv('rainfall_wt_India_1901-2015.csv')

print(rainfall_data.head())

Region YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP \
0 INDIA 1901 17.7 19.8 39.3 48.8 113.4 242.2 217.9 224.4
1 INDIA 1902 7.4 4.3 19.0 43.5 48.3 109.8 284.0 199.7 203.0
2 INDIA 1903 8.2 6.3 31.3 57.2 59.2 124.9 297.0 275.4 199.1
3 INDIA 1904 14.4 9.6 31.8 31.1 72.4 164.8 261.0 206.4 129.6
4 INDIA 1905 15.3 20.9 42.7 33.1 90.7 93.3 250.9 230.4 176.4

fig,ax=plt.subplots()
ax.plot(rainfall_data['YEAR'],rainfall_data['JAN'],label='JAN')
ax.plot(rainfall_data['YEAR'],rainfall_data['FEB'],label='FEB')
ax.plot(rainfall_data['YEAR'],rainfall_data['MAR'],label='MAR')
ax.plot(rainfall_data['YEAR'],rainfall_data['APR'],label='APR')
ax.plot(rainfall_data['YEAR'],rainfall_data['MAY'],label='MAY')
ax.plot(rainfall_data['YEAR'],rainfall_data['JUN'],label='JUN')
ax.plot(rainfall_data['YEAR'],rainfall_data['JUL'],label='JUL')
ax.plot(rainfall_data['YEAR'],rainfall_data['AUG'],label='AUG')
ax.plot(rainfall_data['YEAR'],rainfall_data['SEP'],label='SEP')
ax.plot(rainfall_data['YEAR'],rainfall_data['OCT'],label='OCT')
ax.plot(rainfall_data['YEAR'],rainfall_data['NOV'],label='NOV')
ax.plot(rainfall_data['YEAR'],rainfall_data['DEC'],label='DEC')
ax.legend()
ax.set_xlabel('Year')
ax.set_ylabel('Rainfall (mm)')
ax.set_title('Trend in Annual Rainfall in India (1901-2015)')
ax.grid(True)
fig.show()
```

