TS Module 24 Student projects weather and demographics

(The attached PDF file has better formatting.)

- Weather time series: daily temperature
- Demographic time series: birth rates and crime statistics

Read the discussion forum posting on daily temperature. The NEAS web site has statistics from 1,000+ U.S. weather stations for the past hundred years.

Be sure to examine the data for missing figures and adjust your time series analysis.

Review past student projects posted on the NEAS discussion forum for daily temperature, rainfall, snow-fall, and similar weather-related items. The internet has a wealth of data on global warming. The controversies surrounding these data are fascinating. Time series analysis show whether the historical data show warming of the earth over the past century.

Review the project templates and past student projects on birth rates, crime statistics, and other demographic time series. These give you ideas for your own project. The FBI has a wealth of data available on the internet. If you enjoy TV dramas on police investigations, you can analyze actual data showing crimes by location and year.

Births, marriages, divorces, and deaths are recorded faithfully in many countries. These items are perennially in the news: Are teen-age births increasing? Is the divorce rate increasing?