Stochastic Modeling Project

It is best if you have access to a data set which you are interested in. If not, here are some I have available:

Halibut fishing data: Designed experiment with different types of bait. This is time-to-event data.

Smallpox data, with locations, schools etc. The documentation does not say where the epidemic took place, but I believe it was a Brazilian epidemic.

Ice core layer thicknesses. Time series related to paleoclimate research.

Water quality data (chemical measurements) from the Willamette river in Oregon.

Population data (births, deaths, eggs laid, eggs hatched) for Australian blowflies.

Carbon monoxide data from Spokane. Spatial modeling.