1. The Puromycin.csv data frame has 23 rows and 3 columns of the reaction velocity versus substrate concentration in an enzymatic reaction involving untreated cells or cells treated with Puromycin.

**conc :** a numeric vector of substrate concentrations (ppm)

**rate :** a numeric vector of instantaneous reaction rates (counts/min/min)

**state:** a factor with levels treated untreated

Is there any mean population difference in values of **rate** for two different treatments?

1. The soporific effect of drugs A and B was studied on ten patients separately. The results were assessed for the additional hours of sleep produced by the drugs. Compare soporific effects of the drugs from the data in file Soporific.csv. Test whether variances and means for drug A and drug B are equal or not.