**Words and the weather**

1. Using the ’Age and memory’ dataset (see below how to read this dataset), find the mean and maximum number of words recalled by ’Older’ and ’Younger’ age classes.
2. Using the HFE weather dataset find the mean air temperature by month. To do this, first add the month variable into de data set.

**‘Age and memory’ dataset**

**File:** ‘eysenck.txt’ This data is in a TAB separated file, so to read it in use read.table("eysenck.txt", header=TRUE).

**Variables**:

• Age - Younger or Older

• Process - The level of processing: Counting, Rhyming, Adjective, Imagery or Intentional

• Words - Number of words recalled

**Weather data at the HFE**

**File:** ‘HFEmet2008.csv’

Data for the weather station at the Hawkesbury Forest Experiment for the year 2008.

**Variables:**

• DateTime - Date Time (half-hourly steps)

• Tair - Air temperature (degrees C)

• AirPress - Air pressure (kPa)

• RH - Relative humidity (%)

• VPD - Vapour pressure de1cit (kPa)

• PAR - Photosynthetically active radiation (*m* mol m−2 s−1)

• Rain - Precipitation (mm)

• wind - Wind speed (m s−1)

• winddirection - Wind direction (degrees)