Statistics 215a – 9/1/03 – D. R. Brillinger

Scatter plots.
   plot() – in 2150 files!
   Paired data (x_i,y_i), i=1,…,n
   x and y may be real-valued
   e.g. temperatures
   x may be time – time series
   Cleveland-Kleiner

   Types
      Point plots
      Linked points
      Curve plots
      Comparative plots, e.g. boxplots
      Response,y, vs. explanatory, x, as
opposed to x and y equal

   Difficulties can arise
      Too many points, overplotting
      Duplicate points (jitter)
      Transformations (spread vs. level)
      Outliers
      Perception phenomena
      Scales

   Enhancements
      Include reference curve(s)

   Percentile graphs

   Q-Q plots

```
Multivariate case
    Scatterplot matrix, pairs()
    Trajectory, (x_t,y_t), e.g. elk
    2D - bagplot()
    3D - persp()
        - spin()
```