Scatter plots.
plot() – in 2150 files!
Paired data \((x_i, y_i), i=1,\ldots,n\)
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()