

# The Process of Making a Plot

- What graphics system will you use: base, lattice, or ggplot2? These generally cannot be mixed.
- Base graphics are usually constructed piecemeal, with each aspect of the plot handled separately through a series of function calls; this is often conceptually simpler and allows plotting to mirror the thought process
- Lattice graphics are usually created in a single function call, so all of the graphics parameters have to be specified at once; specifying everything at once allows R to automatically calculate the necessary spacings and font sizes.
- ggplot2 combines concepts from both base and lattice graphics but uses an independent implementation

We focus on using the **base plotting system** to create graphics on the **screen device**.