Map Analysis, Plotting and Isoplething
Meteorology for Scientists and Engineers 2nd Edition, Roland Stull, pg. 260

Key Points:

- Isopleths are lines of equal value. For example, an isobar is a line of equal pressure, and an isotherm is a line of equal temperature.
- Weather maps are simplified by drawing isopleths.
- Isopleths are drawn by connecting points of equal value.
- When drawing isopleths, keep in mind the following rules:
  1. Isopleths are drawn at regular intervals.
  2. Interpolate where necessary between locations.
  3. Isopleths never cross other isopleths.
  4. Isopleths never end in the middle of a map.
  5. Each isopleth should be labeled, either at the edges of the map or along closed isopleths.
  6. Isopleths should generally not have kinks. (Exception is at fronts or jets...you will learn about this later.)

Here is a simple example of how to draw isotherms, following the rules above.

![Isotherm Analysis](Image)