COMMON USES FOR FITTING AND REGRESSION

- Represent some variable in terms of other measurements
- 2 PCors as functions of Mach number, angle of attack, etc.
 - (a) Angle of attack as a function of ADIFR, QCF, etc.
 - (b) Nusselt number as a function of Reynolds number for King Probe
 - (c) Recovery factor as a function of Mach number
- Relationship between measurements (e.g., intercomparison)
- Determining the best use of overconstrained measurements (e.g., 4-beam LAMS)
- Finding best-fit smoothed distributions, e.g., for drop or particle size measurements.
- Fitting to CCN measurements to find $\{C, k\}$ in $N = CS^k$.
- Fitting circles to 2D images (best estimate of raindrop sizes).