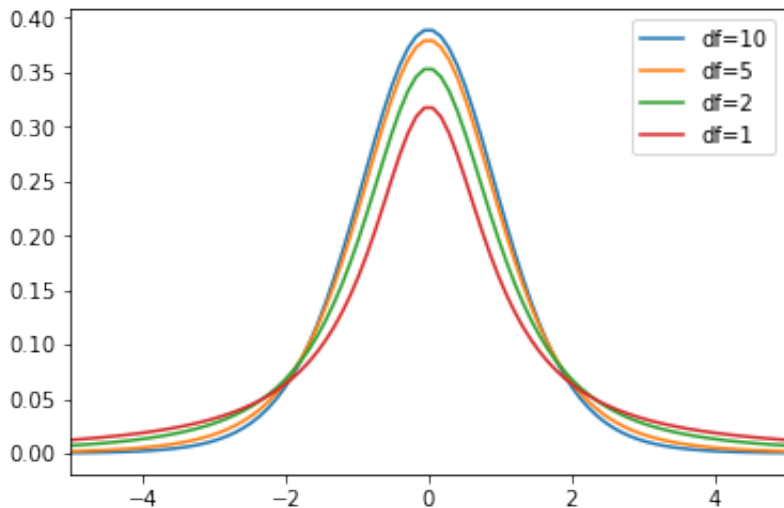


Hypothesis Testing

Single Sample Mean

Student's t distribution Degrees of Freedom: $n - 1$ As deg. of freedom grow, t distribution becomes more normal. $t = \frac{\bar{x} - \mu}{\sigma/\sqrt{n}}$



- * Can use t distribution for smaller sample sizes ($n < 30$), as well as when σ is unknown.
- * Do Python Code
- * Example 1 - test statistic * Example 2 - p-value * Example 3 - confidence interval