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	HW#1 Part 3. Nan Tang
Qı:	I think normal obstribution model seems to be a widely used model, but so far. I've learned only two verys of applying normal obstribution model. The first thing I learned is using normal obstribution to approximate binomial value by Calif. And another use of normal is the distribution of sample mean.  I'm mondaring if there are wider usage of such distribution in statistical models?
Q2:	I know that Students t-test is utilized in the case when sample size less them 30 and the t-distribution is a little bit abtherent from standard distribution. And I was also told that to realize the bias of small sample size, t-distribution has a degree of freedom of (n-1), meanwhile, the standard deviation in a t-distribution is mitten as \( \tilde{I} \) \( \frac{\text{Thin}}{n-1} \). I'm confused on whether the (n-1) degree of freedom and the (n-1) alenominated in the standard deviation have the constant (-1), since the affect of (-1) on standard deviation of cample distribution are quite different between sample with size 20 and sample with size 10.