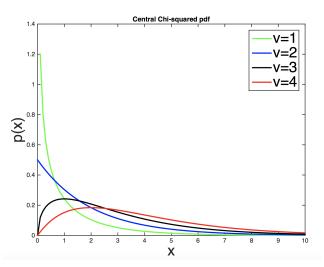
STA3010 Regression Analysis

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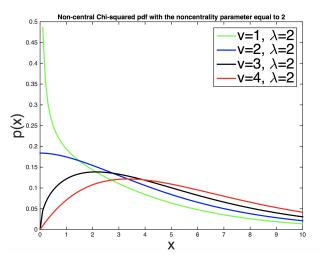
January 7, 2020

PDF of Chi-Squared Distributed RV



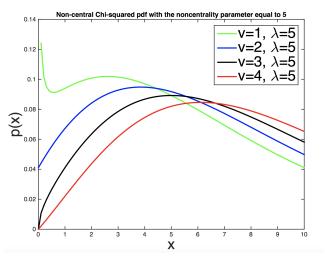
Central Chi-squared RV with different degree of freedom v = 1, 2, 3, 4.

PDF of Chi-Squared Distributed RV



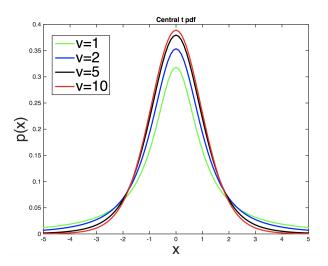
Non-central Chi-squared RV with different degree of freedom v=1,2,3,4 but the same noncentrality parameter $\lambda=2$.

PDF of Chi-Squared Distributed RV



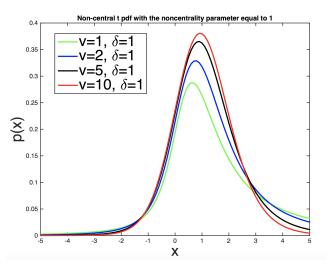
Non-central Chi-squared RV with different degree of freedom $\nu=1,2,3,4$ but the same noncentrality parameter $\lambda=5$.

PDF of T Distributed RV



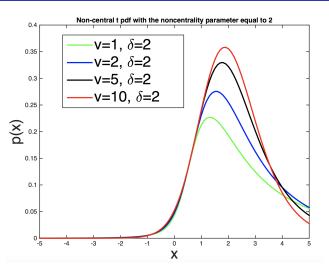
Central t-distributed RV with different degree of freedom $\nu=1,2,5,10$.

PDF of T Distributed RV



Noncentral t-distributed RV with different degree of freedom v=1,2,5,10 but the same noncentrality parameter $\delta=1$.

PDF of T Distributed RV



Non-central t-distributed RV with different degree of freedom v=1,2,5,10 but the same noncentrality parameter $\delta=2$.