First Assignment for BST 765

- 1. Choose a Method for Generating a Non-Normal Distribution (F).

 PREEXISTING FUNCTION [e.g., SAS RAND ('CHISQUARE', 4)]

 https://amadeus.co.uk/tips/why-is-the-rand-function-better-than-ranuni-and-rannor/POLYNOMIAL METHOD (Fleishman or Headrick)

 METHOD OF YOUR OWN t as a Function of Normal & χ²

 (Using Known Relationship among Distributions)
- 2. Generate Data from a Non-Normal Distribution (F) of your choice using a Sample Size of 100,000.
- 3. Fully Describe Your Method for Generating the Data (As You would See in a Methods Section in a Simulation Study)
- 4. Report the Expected Moments (Mean, Variance, Skew, Excess Kurtosis) of your Chosen Distribution.
- 5. Report the Observed Moments (Mean, Variance, Skew, Excess Kurtosis) of your Chosen Distribution.
- 6. Evaluate the Goodness of Fit of the Generated (Observed) Distribution with the Expected Distribution.