Term Project Probability & Statistics

1. Produce 100.000 random numbers (x) with standard normal distribution and then plot its a small part (Like 100 as a raw data and its histogram)

2. Calculate the statistical parameter of x

    a. Mean(x)
    b. Std(x)
    c. Skewness(x)
    d. Kurtosis(x)

3. Using the data x, create a new data Y with unit mean value and 3 standard deviation, Plot its histogram

4. Calculate the correlation coefficient between x & Y interpret the result

5. If you want to change the skewness & the kurtosis, what will you do ? Give your recommendation.

Note: Prepare this report in the format of IEEE.

Use its template:

Title

Names

Abstract

1.Introduction

2. Methods

3. Computer simulations

4. Conclusion and Discussions

5. References