

Computing and Data Science

Simulations

Assignment no. 5 (Continuous Distributions)

3rd Year

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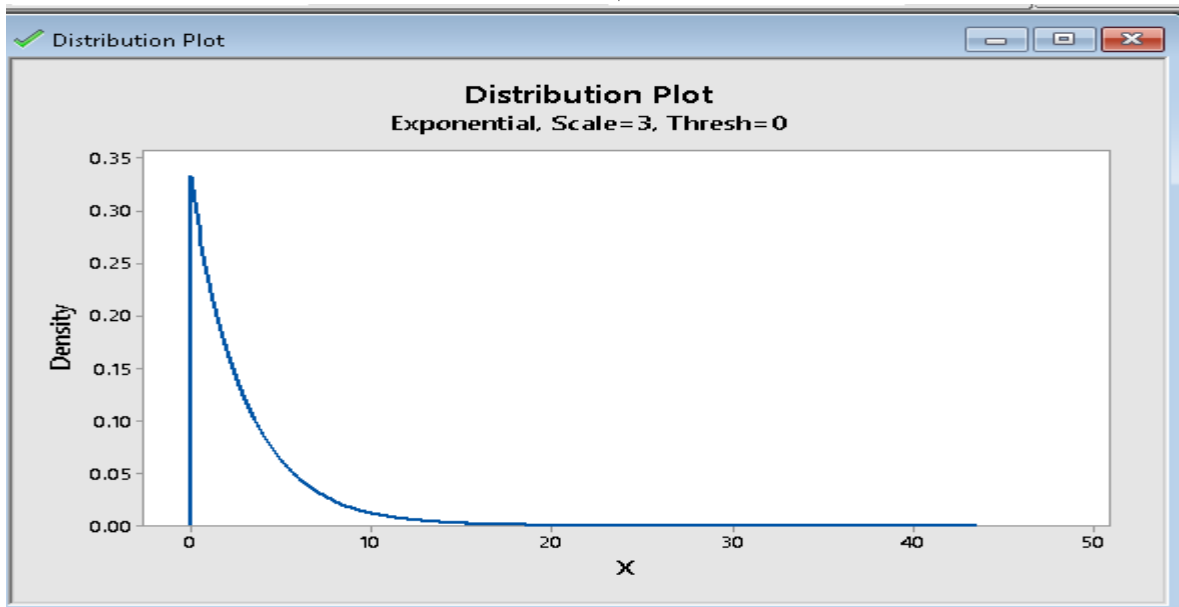
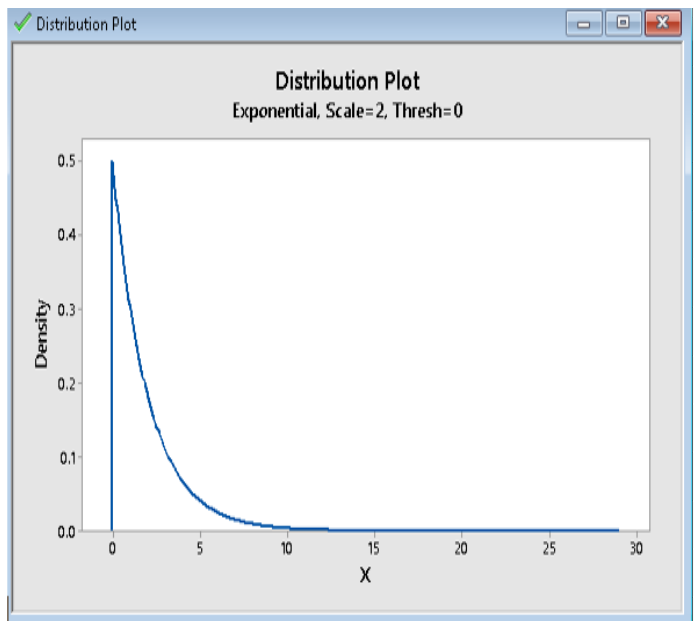
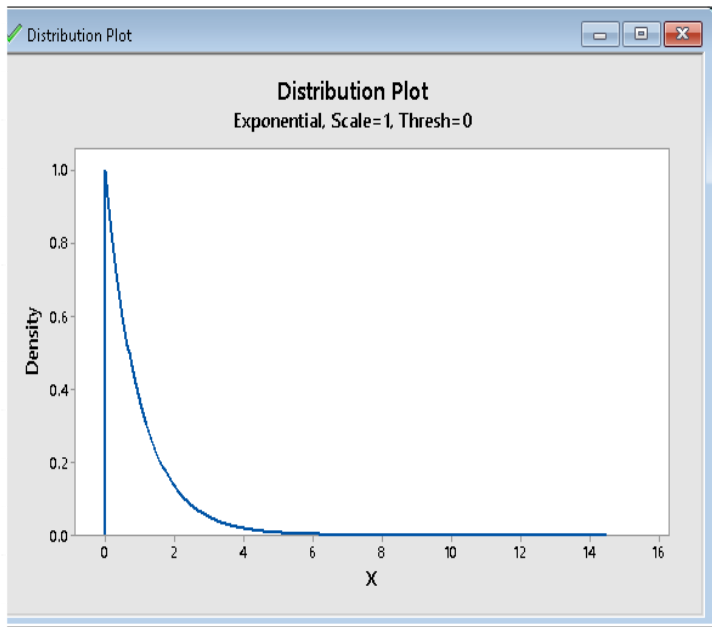
Eng. Mohamed Hatem

Dr. Emad Rauf

1. Exponential Distribution:

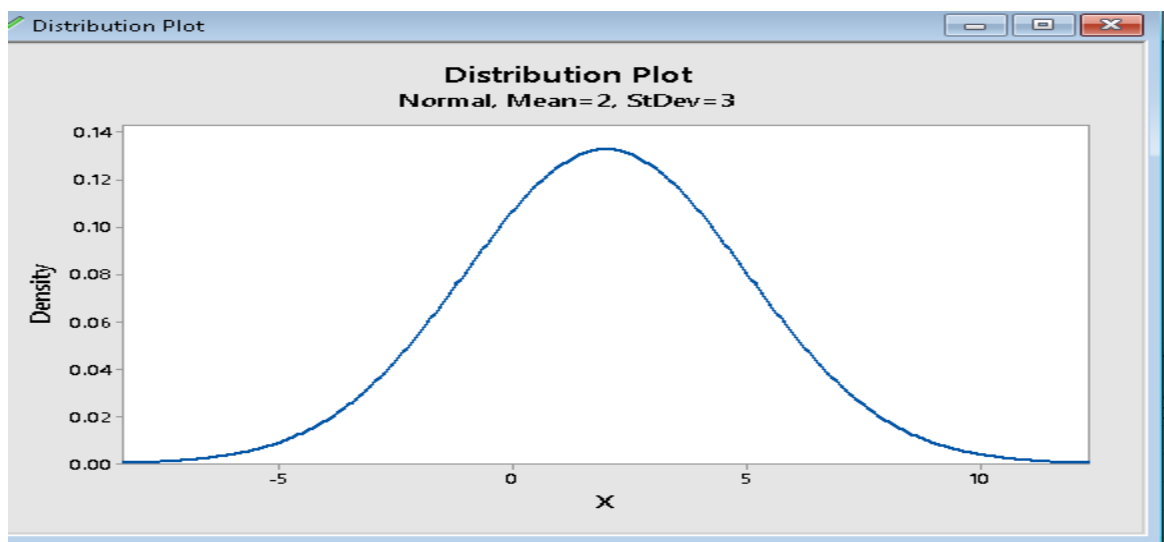
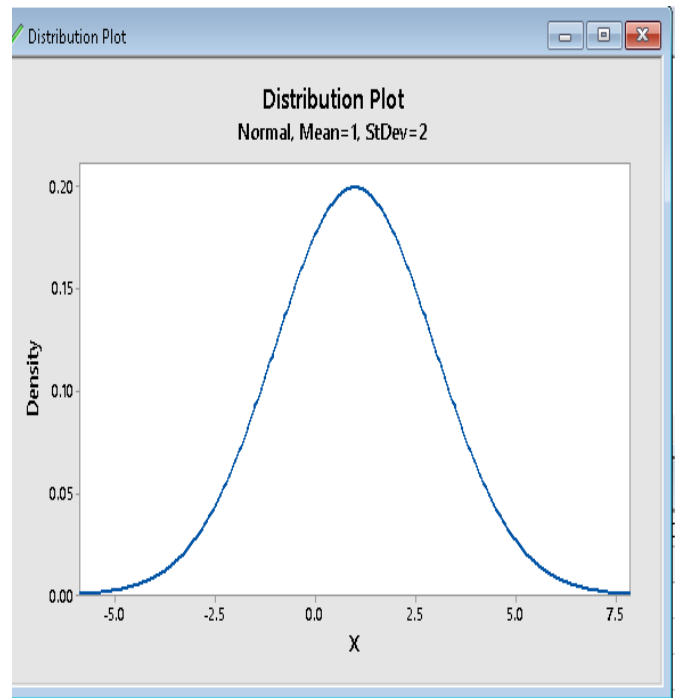
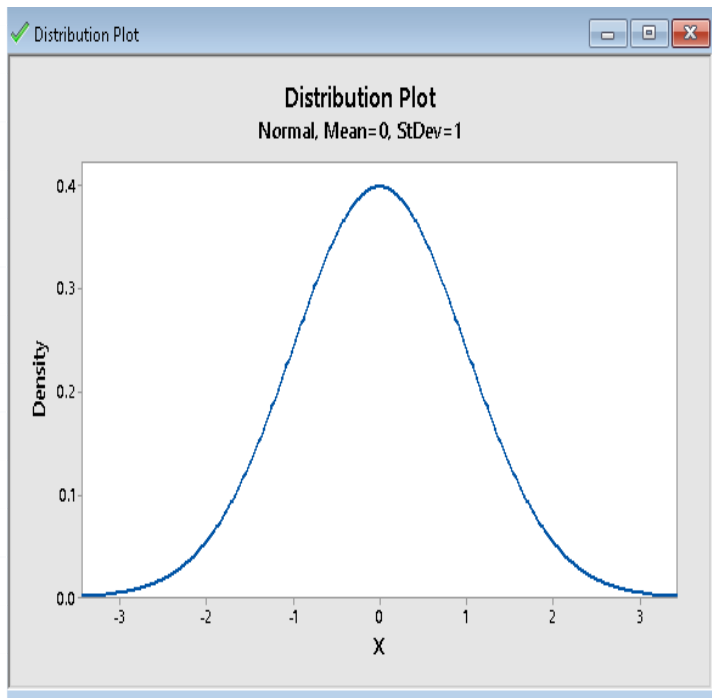
- **Steps:**

- Enter data
- Select graph
- Select probability distribution plot
- Exponential
- Put scale = 1 & scale = 2 & scale = 3



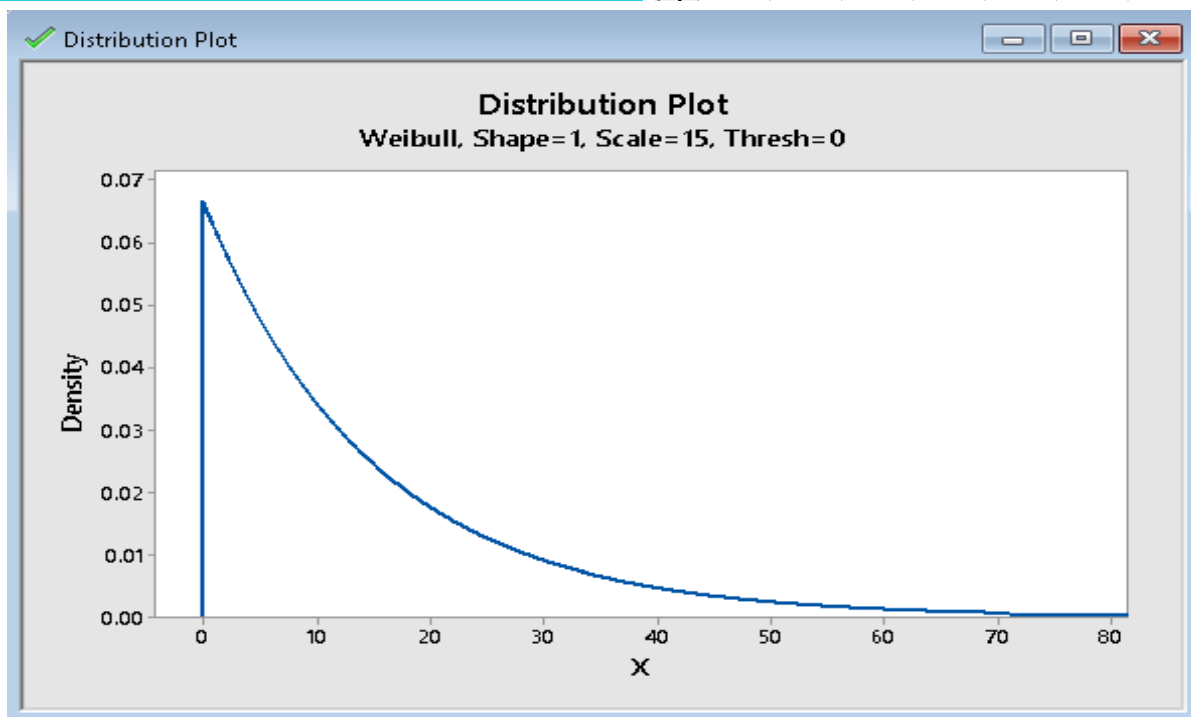
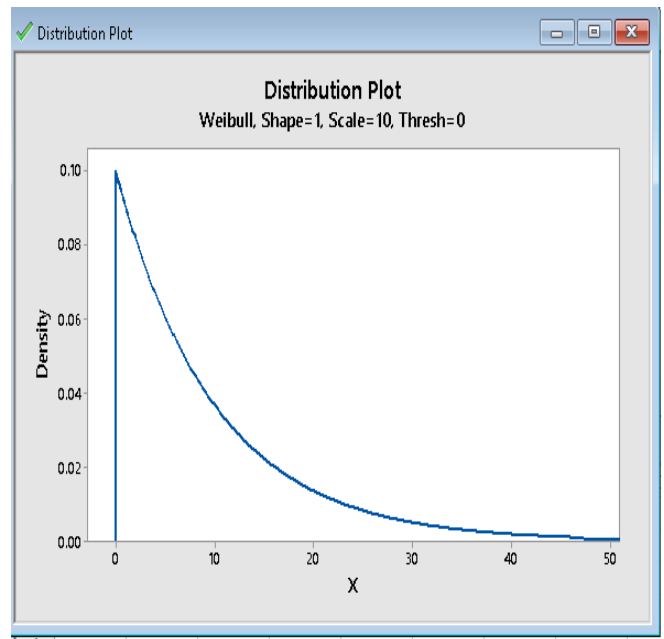
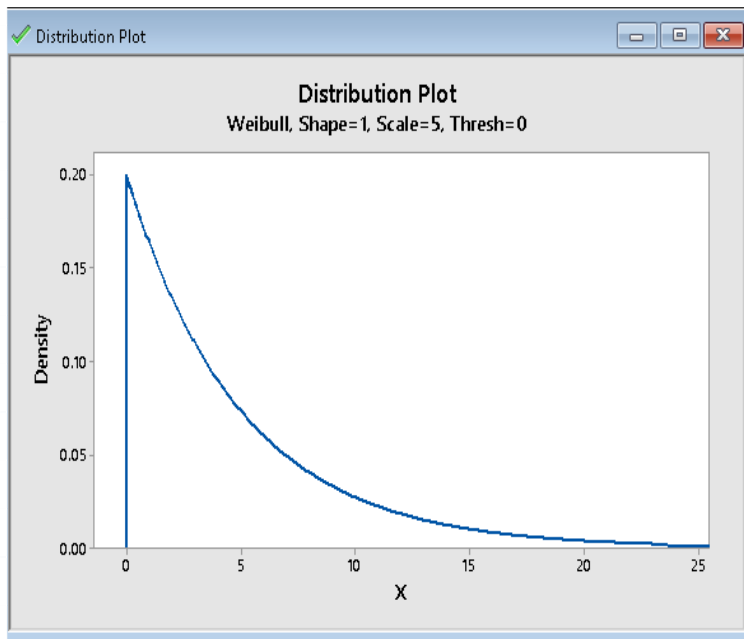
2. Normal distribution:

- Steps:
 - Enter data
 - Select graph
 - Select probability distribution plot
 - normal
 - Graph 1 by mean = 0 & std = 1
 - Graph 2 by mean = 1 & std = 2
 - Graph 3 by mean = 2 & std = 3

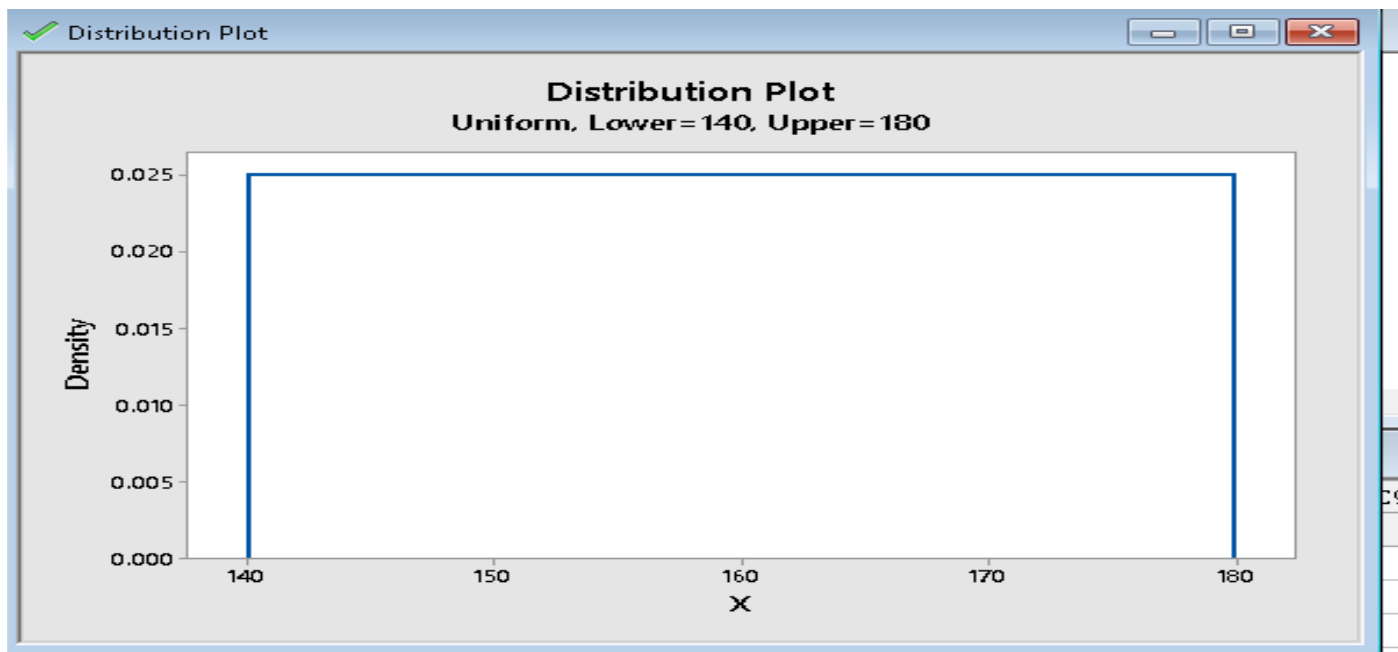
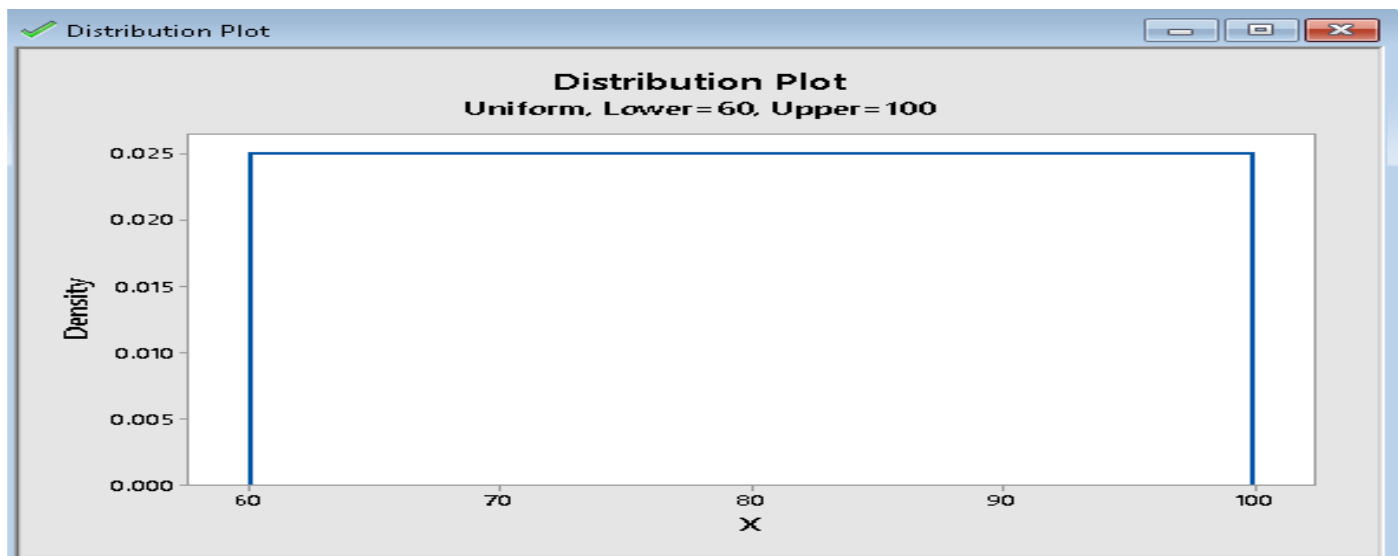
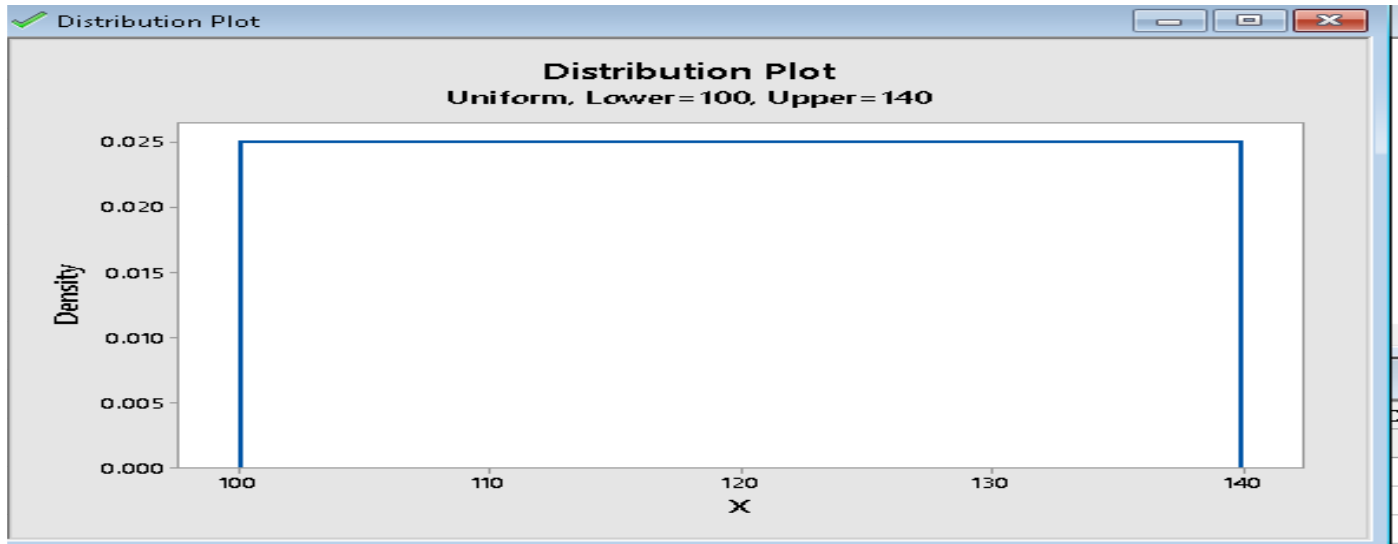


3. Weibull Distribution:

- Steps:
 - Enter data
 - Select graph
 - Select probability distribution plot
 - Weibull Distribution
 - Graph 1 by shape = 1 & scale = 5
 - Graph 2 by shape = 1 & scale = 10
 - Graph 3 by shape = 1 & scale = 15



4. Uniform:



5. Erlang Distribution:

