**Applied Statistics - Lab 4**

**Date of performance:** 09-09-2021

**Date of Submission:** 16-09-2021

**SAP Id:** 500083382

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**Batch:** AI&ML B2

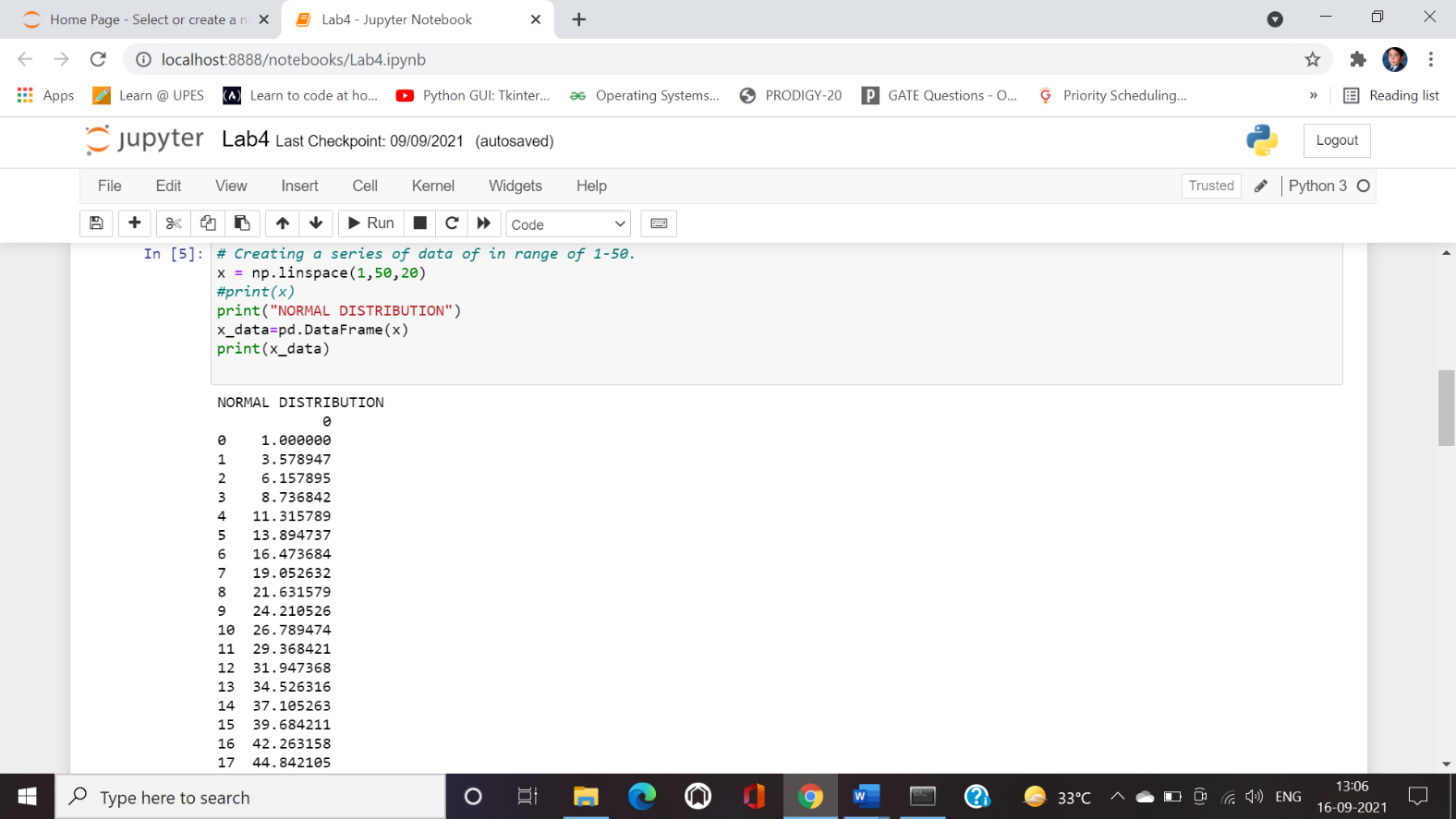
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**Topic: Normal Distribution and Z Distribution**

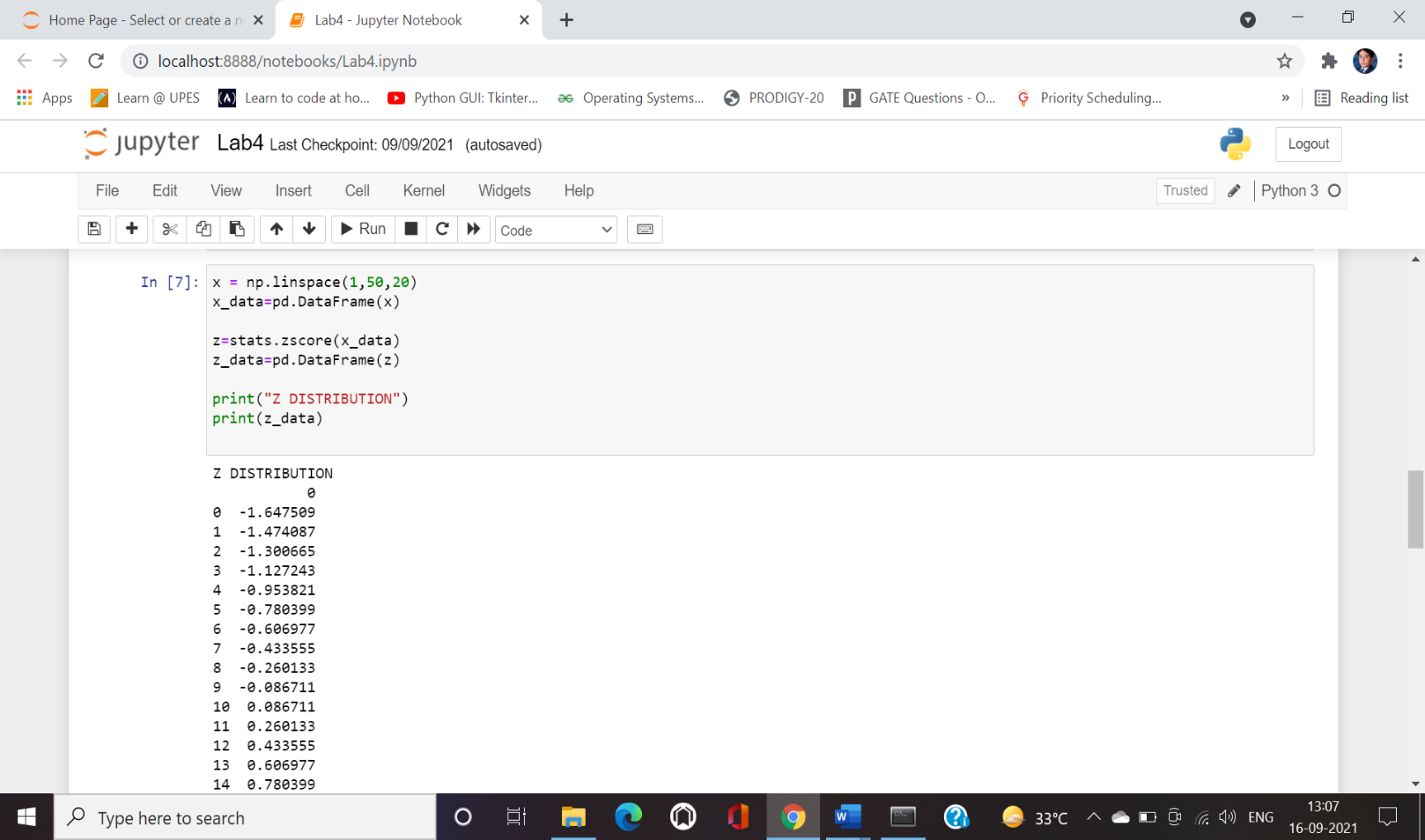
**Problem:**

Create a dataset of a single variable comprising only numerical values. Create a Normal distribution for it. Convert it to Z distribution and plot both of the distribution

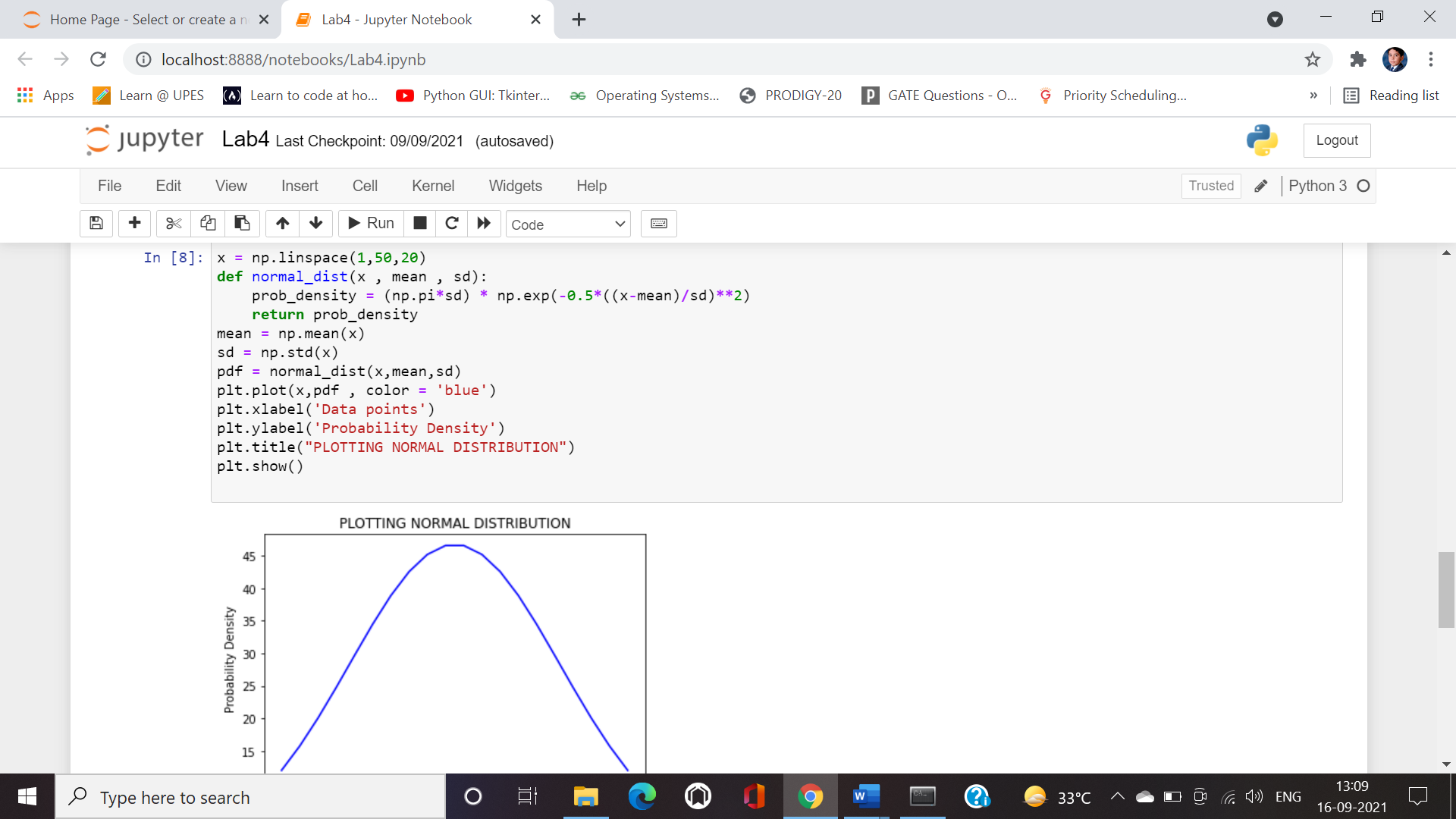
**Creating a dataset for Normal distribution**



**Deriving the dataset for Z distribution from the dataset of Normal distribution**



**Plot for Normal Distribution data**



**Plot for Z Distribution data**

