

Computer Science and Engineering Department, SVNIT, Surat
M.Tech.- I DS (Semester - 1)
Foundations of Data Science
(CSDS111)

Practical Exam

ODD STUDENT NUMBER

- Load the given dataset.
 - Display the fields and their types.
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1. Display how many unique areas' average temperature data is provided.
 2. Encode the area identification fields with the Area ordering displayed as in Q. 1.
 3. Display the number of unique rows with the same average temperature value, if any.
 4. Display for each unique area, display the descriptive statistics.
 5. For ALL each unique area, display their distances from each other.
 6. For ALL each unique area and each year, display the number of missing values, if any.
 7. Display 2 different visualization plots of average temperature to compare them for years 2001 and 2002 for 2 unique areas with less distance.
 8. Can you display the areas with NOT similar characteristics of average temperature?
If yes, perform it.