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| **Lab Exercise 7 – October 2021** | | | | | | | |  | |
| Programme | | : | BTech | Semester | : | FS 2021-22 | | | |
| Course Title | | : | Foundations of Data Analytics | Code | : | 3505 | | | |
| Class Nbr(s) | : | CH2020211001158 | | | |
| Faculty(s) | | : | Dr. B. Radhika Selvamani | Slot |  | L33+L34 | | | |
| Date | | : | 10/11/2021 |  |  |  | | | |
| **Introduction Data Tables**  **Question A** | | | | | | | | |  |
| **Q.No.** | **Question Description** | | | | | | **Marks** | | | |  |
|  | For the Insurance dataset in MASS library. Identify column types Print the summary statistics of the columns. | | | | | | **2** | | | |  |
| 2. | Calculate the frequency , relative frequency and cumulative frequency for any categorical column and plot the barchart and pie chart. Write your observations. | | | | | | 2 | | | |  |
| 3. | For one of the numerical columns split them into sequences. There should be atleast 5 intervals. Calculate the frequency of values occurring in each interval and plot a bar plot. | | | | | | 2 | | | |  |
| 4. | Create a scatter line plot for the cumulative frequency of the numerical column splitted in question 3. | | | | | | 2 | | | |  |
| 5. | Draw the scatter plot between two numerical columns and infer the correlation between them. | | | | | | 2 | | | |  |