

Manipal School of Information Sciences, Manipal
Second Semester Master of Engineering – ME (Cloud Computing)

First internal test – April 2022

Subject: CDC 5253 – Data Streaming and Visualization Lab

Wednesday April 27, 2022

Time: 2.00 PM – 4.00 PM

Maximum Marks: 30

Use dataset Road_accidents_time.csv and Road_accidents.csv files as input

Answer all questions

1. Add column 'Total', giving sum of accidents in each month .
2. Which state has highest number of accidents in year 2013?
3. Find the average monthly accidents for each state.
4. Which month has highest accidents?
5. Which time slot (like 0-3, 3-6 etc) has more accidents? What about 'Karnataka' state?
6. Which state has more accidents from year 2001 to 2014?
7. List states whose accidents number in year 2014 is less than state average from 2001 to 2014.
8. Which month has more accidents over the year? (TLO 3.1)