STAT 490
Homework
Due September 21

The Purdue Health Insurance Company has 10,000 insureds. The claims received during 2019 are in the file on the website.

Projects for Next Week

1. Data Validation – Everyone

For tasks 2-7, you need to complete the task and graph the results. In class next week, I will ask each of you to present your findings in front of class for one of the tasks.

2. Number of claims each Month of Service.

3. Average Claim Amount by Month of Service and the Standard Deviation of Claim Amounts by Month of Service.

4. Average Amount Paid by Month of Service and the Standard Deviation of Claim Amounts by Month of Service.

5. Average Amount Paid divided by the Average Amount of Claim (as a percentage) by Month of Service.

6. Number of Claims by Insured. How many insureds have 0 claims, how many have one claim, how many have two claims, etc

7. Providers 1-100 are hospitals. Providers 101 to 1000 are doctors.   Find the average claim amount for hospitals and for doctors and the standard deviation of claim amounts for hospitals and doctors.