Control

You have data pertaining two different groups of people who had abnormal blood pressure, the first one that has been medicated, and the second one that hasn’t.

1. Normal blood pressure is considered to be normal if the systolic blood pressure is between 90 and 120. Add a column to the table classifying people as “L” for low blood pressure or “O” for other.

2. Create a table crossing the values between medicated and non medicated people with low blood pressure and other blood pressure. It shoud have the format below.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Medicated | Non-Medicated | Total |
| Low Blood Pressure |  |  |  |
| Other Blood Pressure |  |  |  |
| Total |  |  |  |

3. Create a histogram showing the counts for low blood pressure and other blood pressure for medicated and non-medicated people. Use the table above.

4. Create a table collecting statistics for blood pressures for the two groups of people. The table should contain minimum, maximum, average and standard deviation.

5. Create a histogram for both groups of people showing the counts for each chosen interval containing the existing blood pressures. This should contain both the table with the values and the graph using these values. Use a XY scatter graph.

6. Compare the average blood pressures using the TTEST function, and the stardard deviations of blood pressures using the FTEST function. Is there statistical evidence for the difference of these two groups?