

Blake Q's #15

July 30, 2020

Question 1

This is the real electricity usage for my household (average for each hour).

What is the **IQR**?

What is the **median electricity usage**?

Find values for the **0th, 25th, 50th, 75th and 100th percentile**.

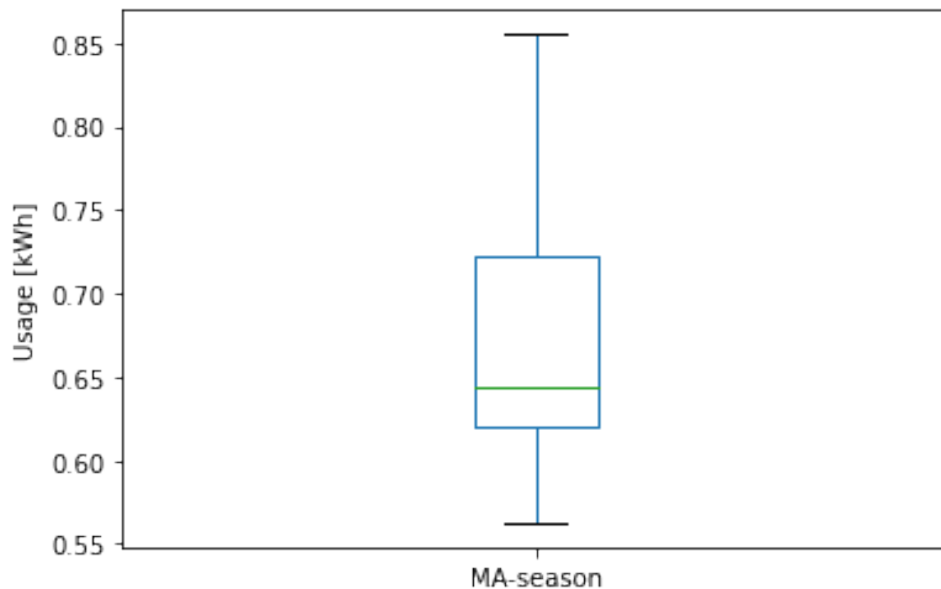


Figure 1: My Electricity Usage

Question 2

Using the **0th, 25th, 50th, 75th and 100th percentile** values from Q1, we are going to make a few estimates.

Calculate the **average (mean)** using the 5 percentile values.

Calculate the **standard deviation** (check your textbook for the formula) using the same 5 percentile values.