Findings

Data Center: A
Max Value: 5861.478, 2015-09-29 12:25:00+00:00
Average Value: 3592.981

Data Center: S
Max Value: 20725.351, 2015-09-28 16:12:00+00:00
Average Value: 8457.001

Data Center: I
Max Value: 61526.578, 2015-09-28 18:12:00+00:00
Average Value: 31343.796

Data Analysis

- Data center I and S have similar trend lines across time although data center I's values are about 3x the values of data center S.
- Both data centers peak at about 18:00 on 9/28 and lowest at about 8:00am on both days.
- Data center A's value distribution is typically lower than the other 2 data centers and is much more evenly distributed.
- Data center S's value is on-average 2x higher than that of data center A.
- Data center I's value is always greater than data center A's value.
- Data center A's value is lowest around 2-4a.m. on both days.

Challenges:

1. Learning the matplotlib library enough to produce a properly formatted and labeled visual display proved to be more time consuming than I initially allotted time for.
2. Properly formatting the time axis on the plot display proved to be difficult.
3. Parsing and storing the data effectively proved to be a challenge.

Information Desired and Assumptions Made:

Info Desired

- Context for what the data represented would aid data, and trend analysis.
- What data should be considered anomalous, and not recorded.

Assumptions

- I converted the raw time data (assumed to be UNIX time values) to human readable form.
- Based on the limited information available, I ignored all negative values as they seem to be anomalous based on positive value ranges and trends.