

### Notes on Data Issues with Weather Data

- Bangor, Maine has a day where the wind gusted to 150 mph and another day when the precipitation was over 5 inches. These are both outliers and are not on the same day.
- Providence Rhode, Island has a high outlier on visibility of 20 miles. It also has a possible max gust speed, but it's not large enough to appear to be mis recorded.
- KNYC, New York City, New York recorded one super windy day that is recorded as 99 for max gust speed, average gust speed, and mean wind speed. These numbers don't typically all match each other and all three are unusually high, so this is likely a mistake. They were recorded on 7/25/2014. On 4/16/2015 the recorded a max wind speed is 75 mpg a gust speed of only 20 mph was recorded.
- KACY, Atlantic City, New Jersey had some major wind gusting to 73 mph on 7/13/2016.
- KPHL, Philadelphia, Pennsylvania had an unusually high amount of precipitation on 9/10/15 with 4.76 inches recorded.
- KART, Watertown, New York has a recorded max gust of wind of 230 mph on 6/18/2017. Given the other recorded wind values for the day that may be a mis recorded 23 mph.
- KCHS, Charleston, South Carolina had an unusually windy day and a day with over 10 inches of precipitation, but they were not the same day.
- KMIA, Miami, Florida recorded a mean temperature of 0 on 10/27/16. The minimum temp is recorded as 68.
- KCNM, Carlsbad, New Mexico recorded a minimum and mean temperature of -115 on 11/5/2016. The maximum temperature was recorded as 60. Considering this is near the Mexico border.
- KCYS, Cheyenne, Wyoming recorded a temperature of 211,119 on 1/6/2017. I'm pretty sure this is a mistake.
- Denver has a recorded precipitation of 0 for every single day during the time frame.
- KFLG, Flagstaff, Arizona has a major outlier in precipitation of 7.48 inches recorded on 12/25/2016. I did a quick internet search and it appears that Flagstaff got a lot of snow around this time.
- KBOI, Boise, Idaho recorded a minimum humidity of over 300 on 7/30/2017 and 7/28/2017. Since humidity cannot be over 100 I am pretty sure these are mis recorded.
- PHNL, Honolulu, Hawaii has a minimum temperature of 1 recorded on 8/15/2016. The mean temperature is 45 and the high is 89. It appears that they computed the mean by taking the midpoint between the low and high temps. This is the lowest mean temperature by more than 20 degrees.