Onondaga Lake Water Quality

Leland Ball, Noe Fernandes, Sathish Rajendiran

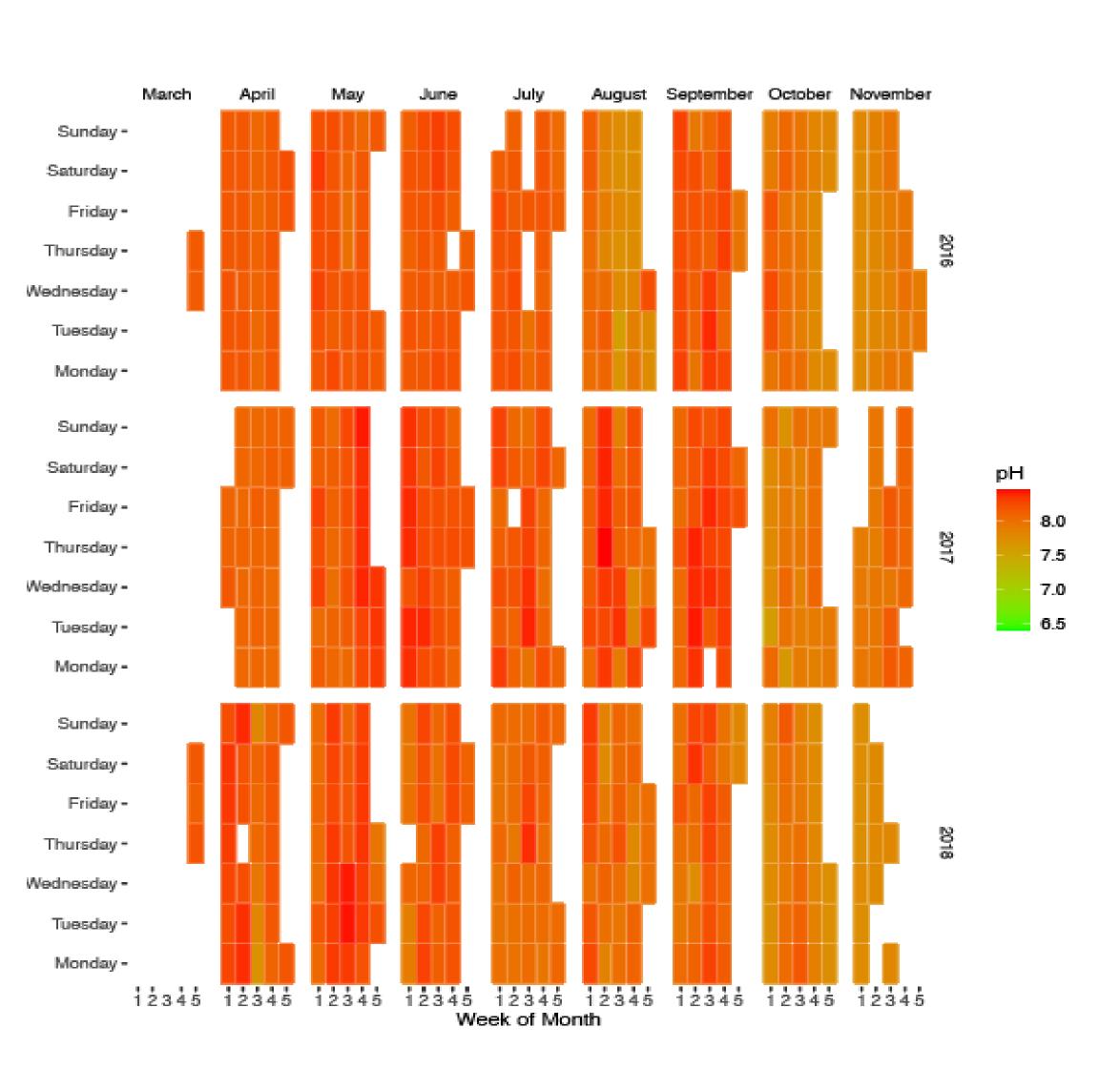
IST-719 Viz-a-thon

Story:

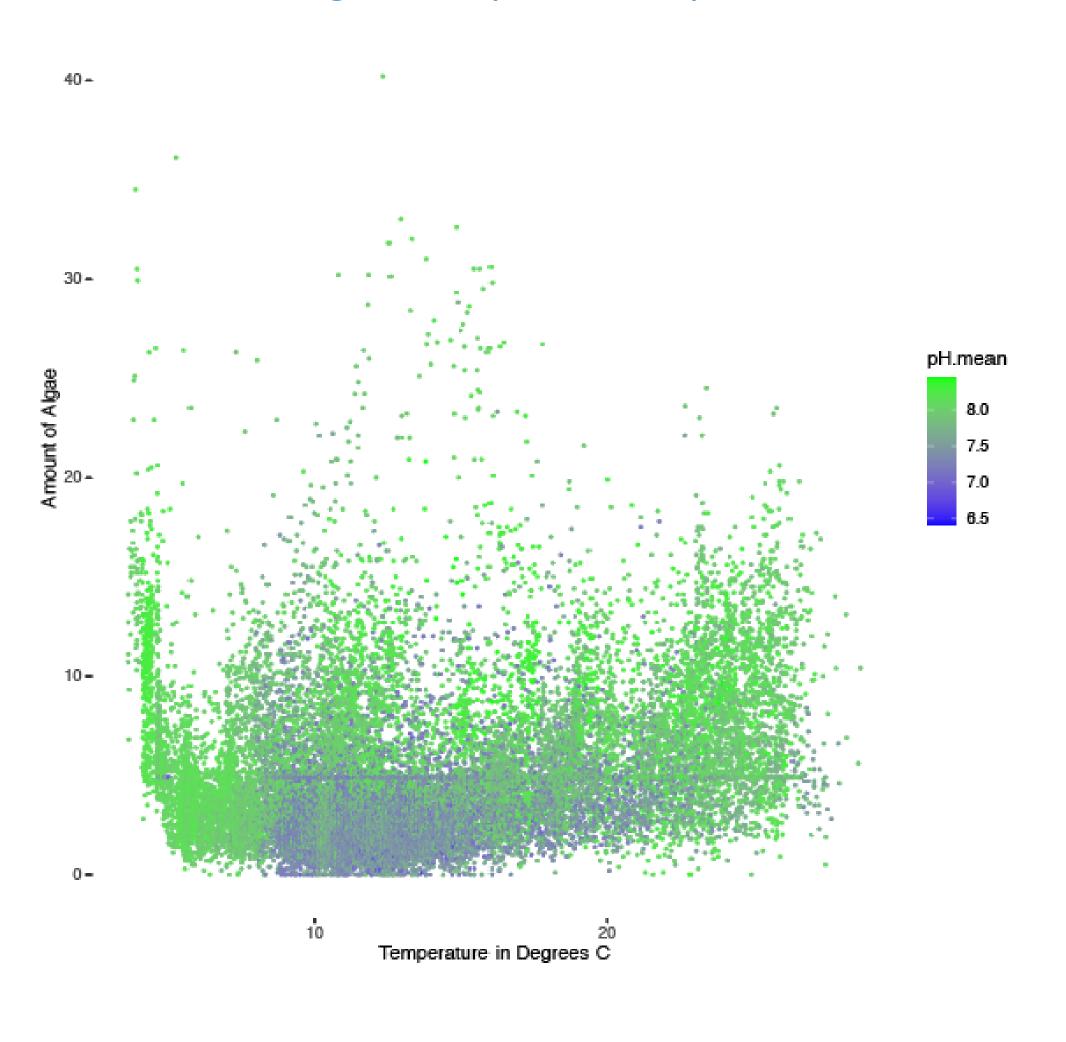
Onondaga lake has undergone a massive cleanup of toxic chemicals and sewage in the past several decades. As these efforts continue, Onondago County has released its priliminary plans for a beach at the north end of Onondaga Lake. Question is what is the acidity level and is it ready for public use yet?

Audience: City of Syracuse, Tourists, Environmenatlists.

Changes in pH level over the past 3 years?



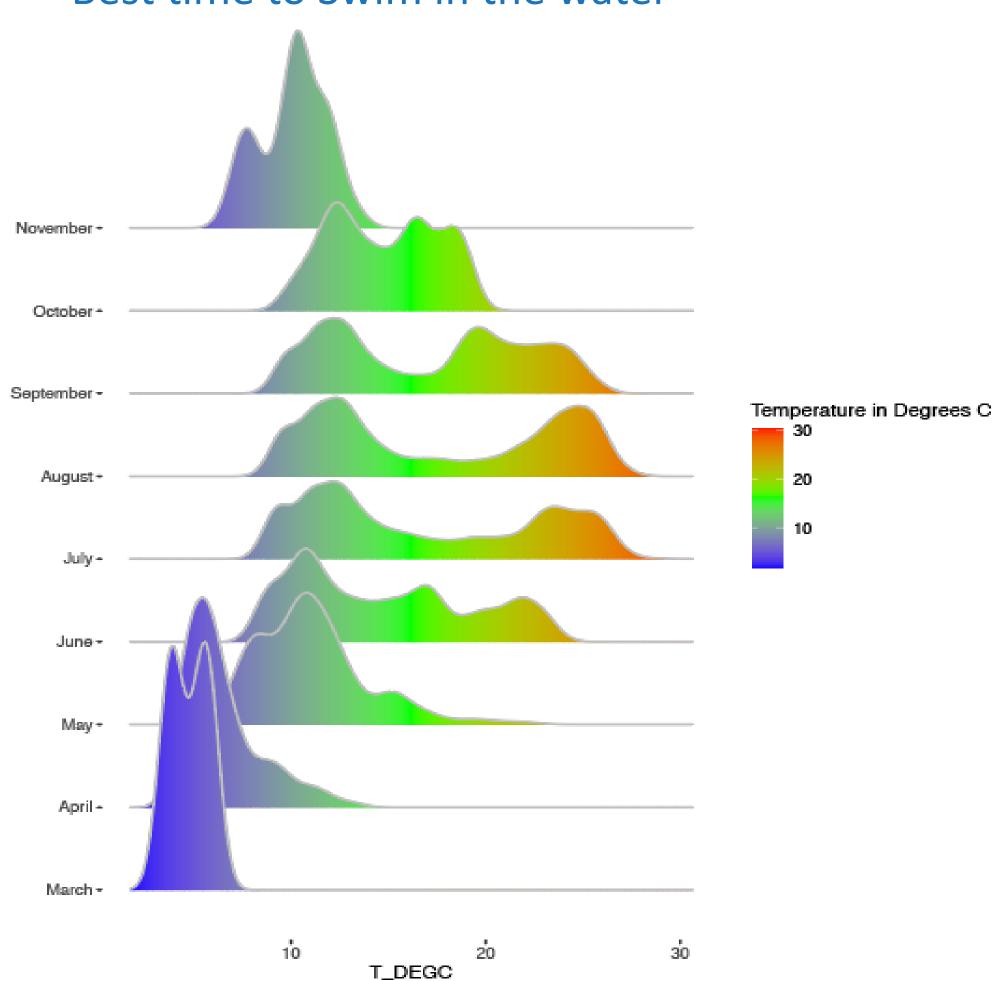
Variation in Algae and pH vs Temperature



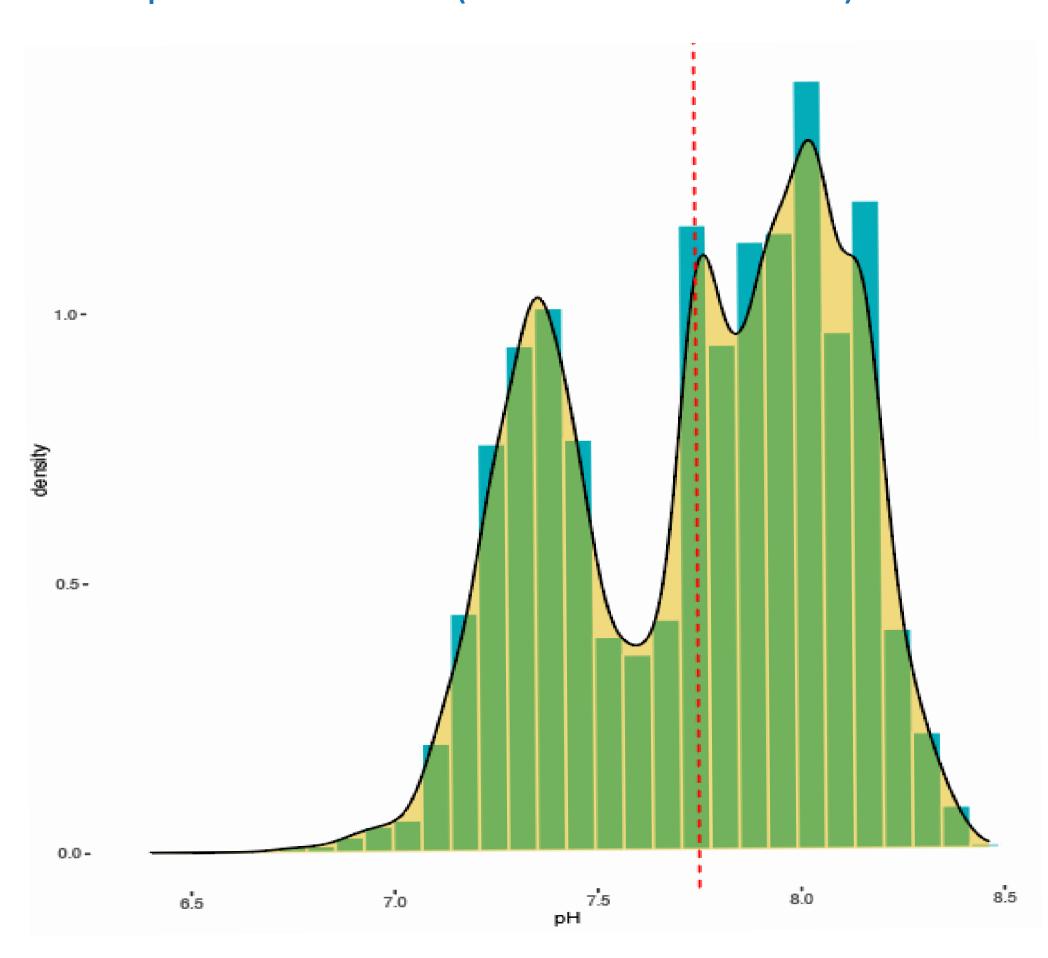
Questions:

- 1. How does tempature effect the pH level and Algae content of the water?
- 2. has there been changes in pH Values over time?
- 3.Is the beach safe to swim?

Best time to Swim in the water



pH Level is safe (within normal level)



Conclusion:

It has evident that the pH level is within the normal range and the Ononda lake beach is safe for public use.

This data is sourced from,

1. Onondage County Department of Water Environment Protection and Upstate Freshwater Institute

Story based on,

2. NOAA National Climate Data Center

Data Size:

Total Number of Observations: 24,325 Total Number of Variables: 12

Data Size is 11,676