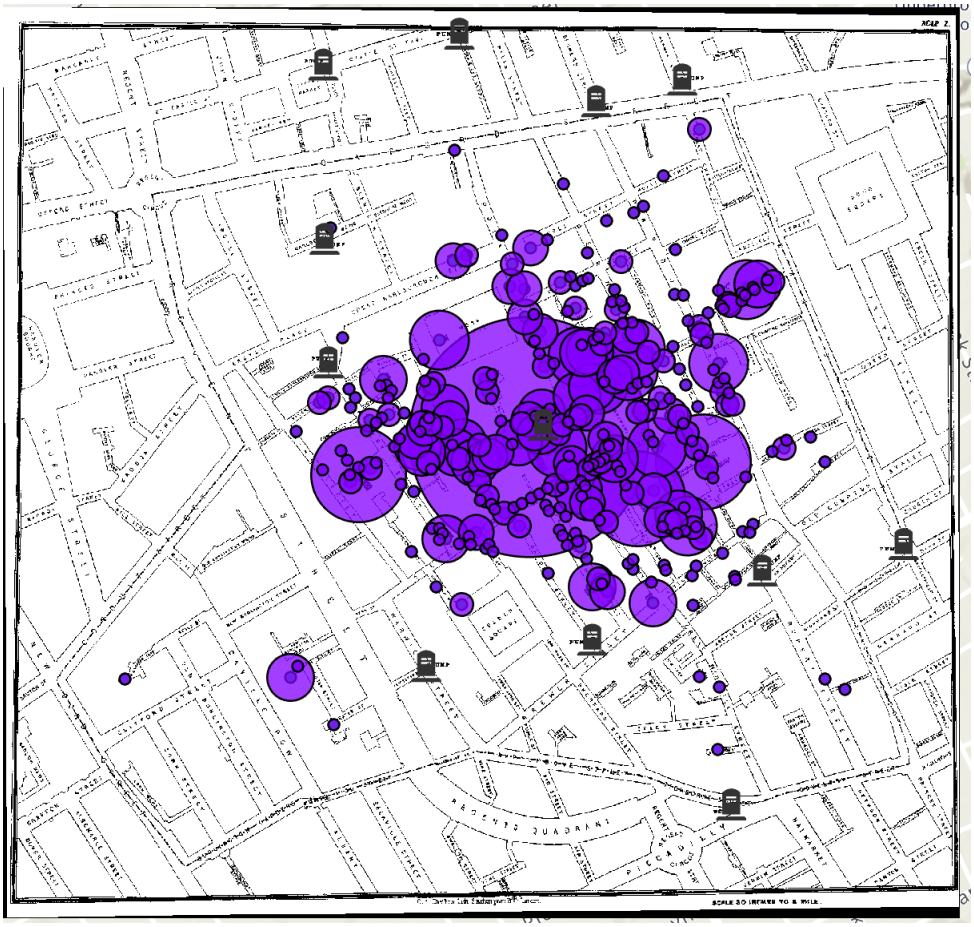
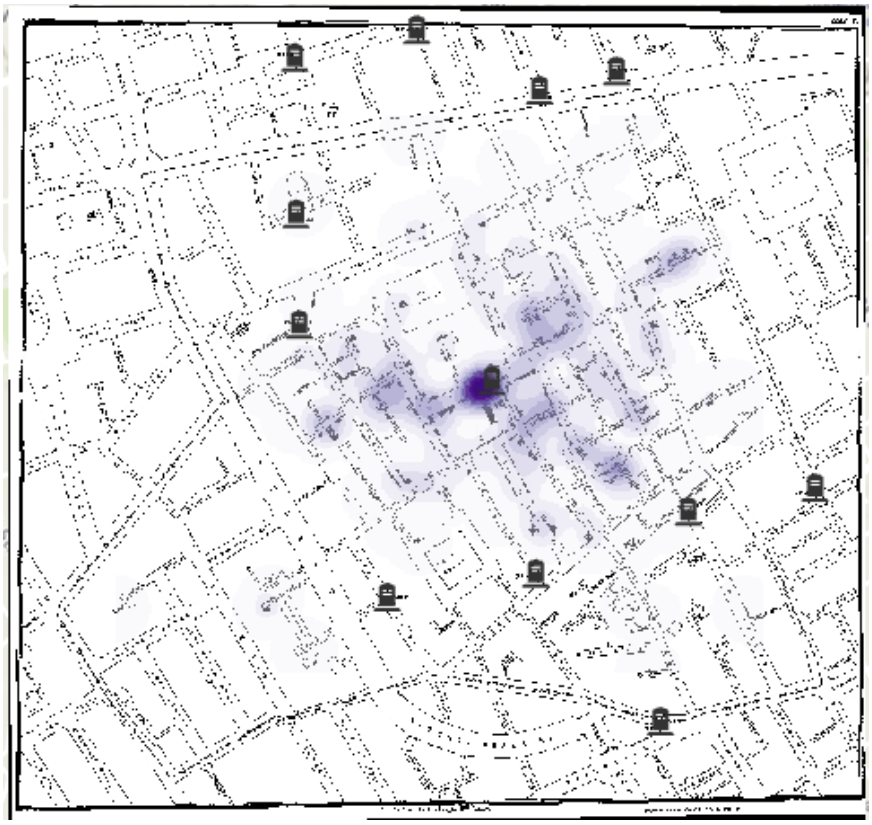
Name: Emma Jayne Jones

Lab 08 – SoHo Cholera Project

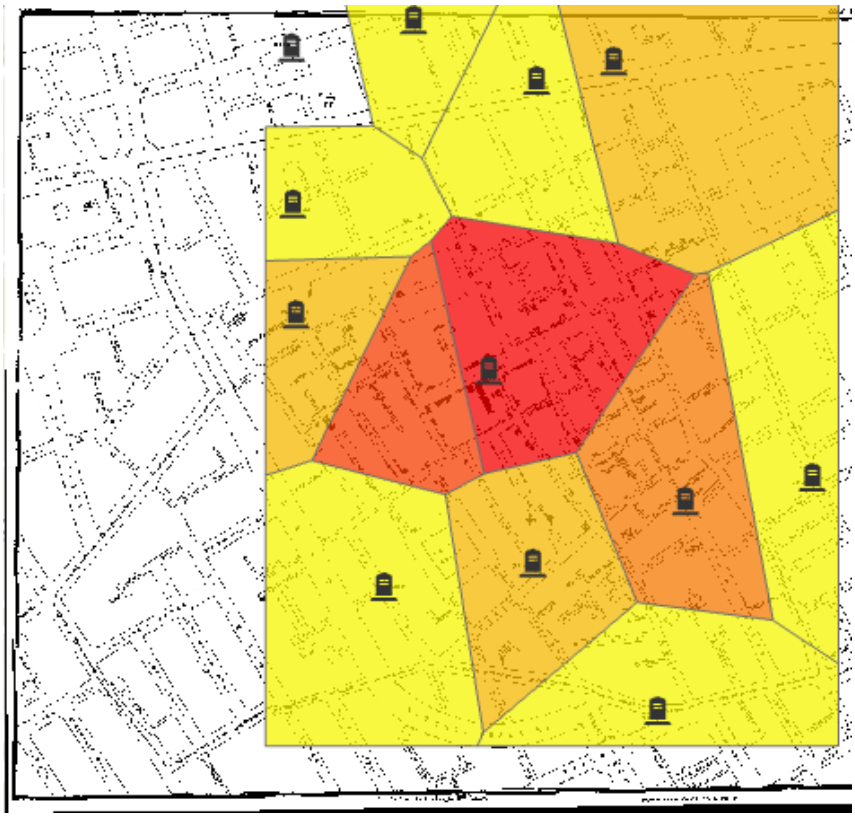
1. If you collaborated on creating the deaths data, who was your partner?
    a. Miranda Lee
2. How many total death points are in your final data set? (5 points)
    a. 318
3. How many total deaths are depicted on the map? (5 points)
    a. 580
4. Graduated Color – Insert the PNG of the graduated color graphic here: (6 points)
    a. 
5. Proportional Symbol – Insert the PNG of the proportional symbol graphic here: (6 points)

a. 

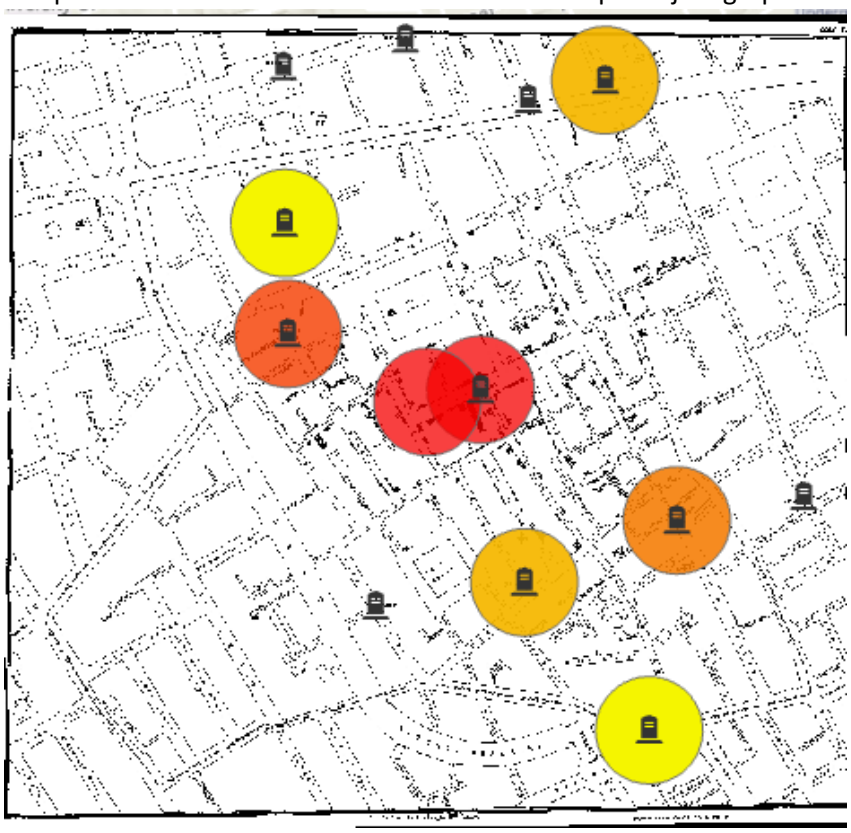
6. Kernel Density - Insert the PNG of the kernel density graphic here: (6 points)



7. Thiessen Polygon - Insert the PNG of the Thiessen Polygon and spatial join graphic here: (6 points)



8. Buffer and Spatial Join - Insert the PNG of the buffer and spatial join graphic here: (6 points)



9. You have been assigned to help John Snow convince the local officials that the Broad Street pump is causing most of the cholera outbreak in SoHo and should be shut off. In one paragraph, explain which of the visualization techniques above does the best job of conveying the risk. Keep in mind that local officials are often ignorant of GIS and epidemiology so be mindful of audience. (10 points) [A paragraph has a main topic sentence, 3-4 supporting topic sentences, and is written using complete sentences.]

I believe that the buffer and spatial join may be the best visualization technique. The concept that the redder the circle around the pump, the more deaths occurred around it makes the most sense. The proportional symbol map is also a good option. The circles are focused almost exclusively on one pump. Even if the circles are a little cluttered, the fact that they center on the Broad Street pump is still obvious.