*Lab 01: An introduction to attribute and spatial analysis in R*

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*GitHub link:*

Questions

1. In using the intersection functions, are the following two statements equivalent? If not, explain how. Be sure to think about BOTH the spatial data structures AND the attribute data. Would your answer be different if we were using different types of data?
   1. sf::st\_intersection(d.stations, del.counties)
   2. sf::st\_intersection(del.counties, d.stations)
2. What did you find challenging in this lab? What was new?
3. What types of activities would you like to see in labs this semester?

Answers:

1. Those lines of code are not the same. The data that is inputted first in the brackets will be the template and as such the resulting data frame would have the same rows as the template. If they are switched, there would be many more counties than there are stations, resulting in empty data or a miss-joining of data.
2. The base concepts were understandable but trying to relate them to one another was a challenge, it required a lot of “google-Fu” but was not overly hard.
3. I really enjoyed the initial guidance portion, if this could be done frequently, where “refreshers” are placed in the lab then tasks that relate to more complex connections between them given. It is easy to forget the different functions and processes so I think this would help a little.