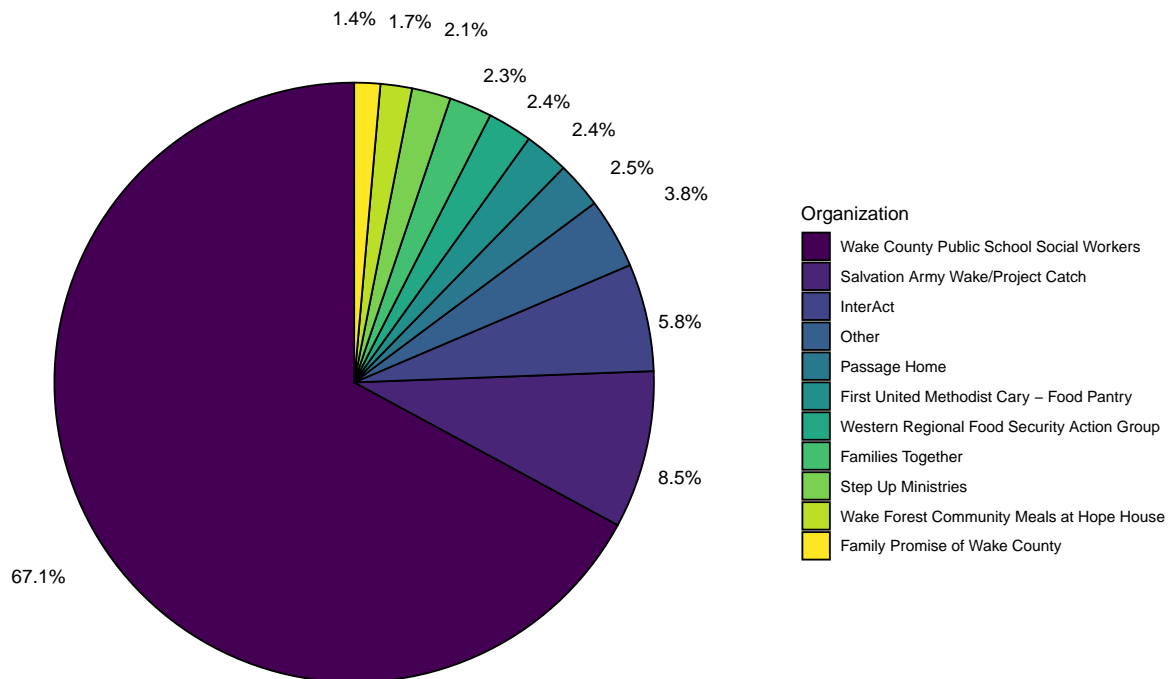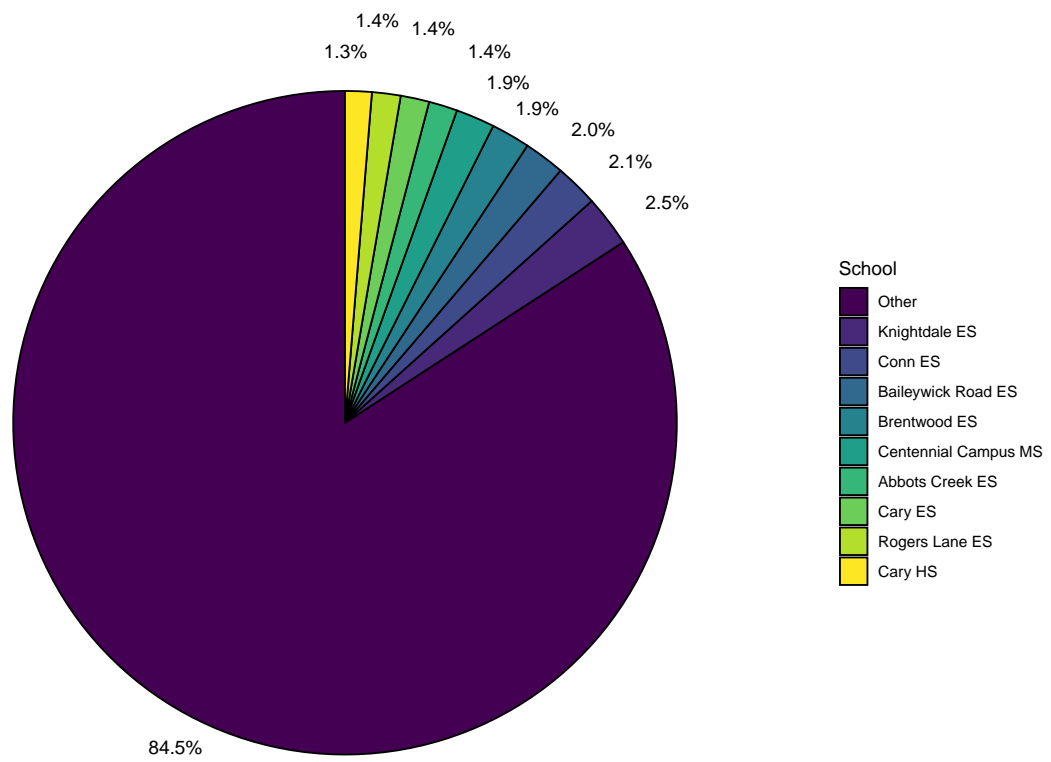# EDA for the categorical variables

Yinqiao Wang

Exploratory data analysis for the categorical variables

We selected three categorical variables to explore: Organization, School, and City. We first calculated the number of individuals served by each organization/school/city. Then, based on the total number of individuals served, we calculated the proportion of service by each organization/school/city. We can find the top 10 organizations/schools/cities that mostly collaborated with the Note-in-pocket. Meanwhile, we mapped all the zipcode information except for missing value and outside North Carolina's zipcode. Combining the information from the pie chart, it is not surprising to see the Raleigh, Cary, Garner areas are the top three cities for the proportion. More service may be provided to the individuals in the Apex area, considering the influence of distance.
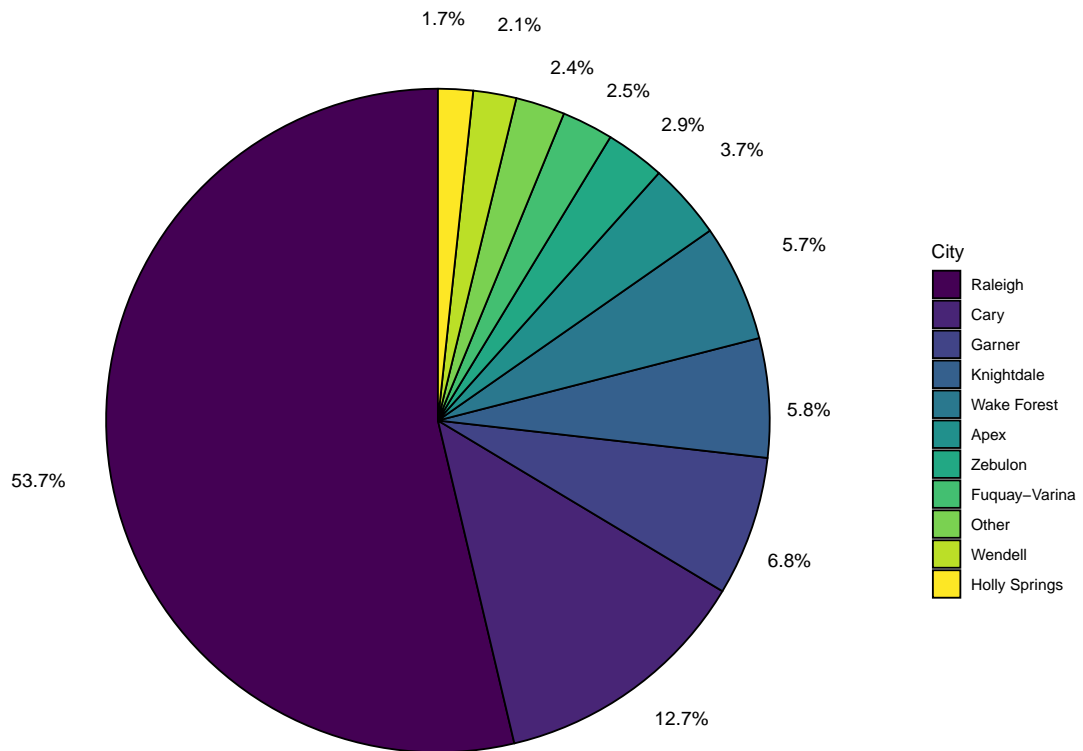
Proportion of served individual number by organization

Proportion of served individual number by school

Proportion of served individual number by city

Note in pocket_Request order zipcode information map

Proportion of served individual number by zipcode

[0.001 to 0.012)
[0.012 to 0.017)
[0.017 to 0.025)
[0.025 to 0.046)
[0.046 to 0.063)
[0.063 to 0.095]
NA