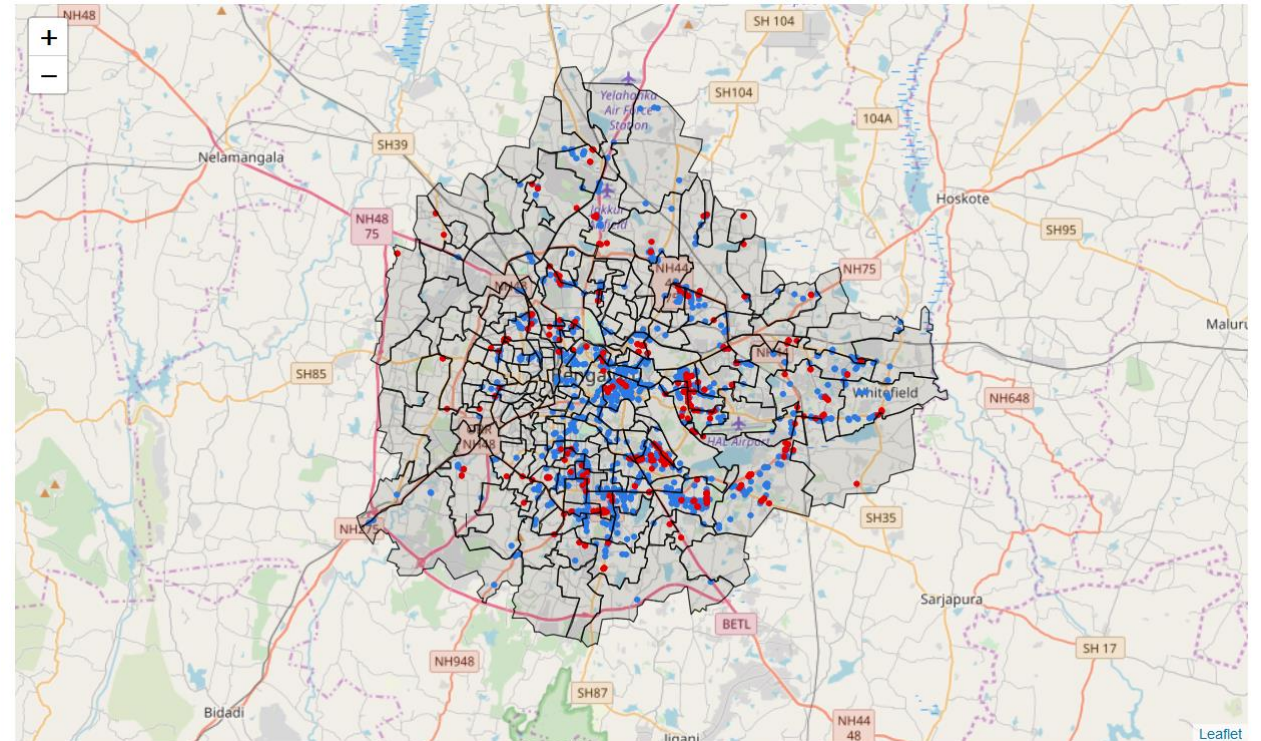# Profitable localities for Pizza shop in Bangalore

Suhas Shastry
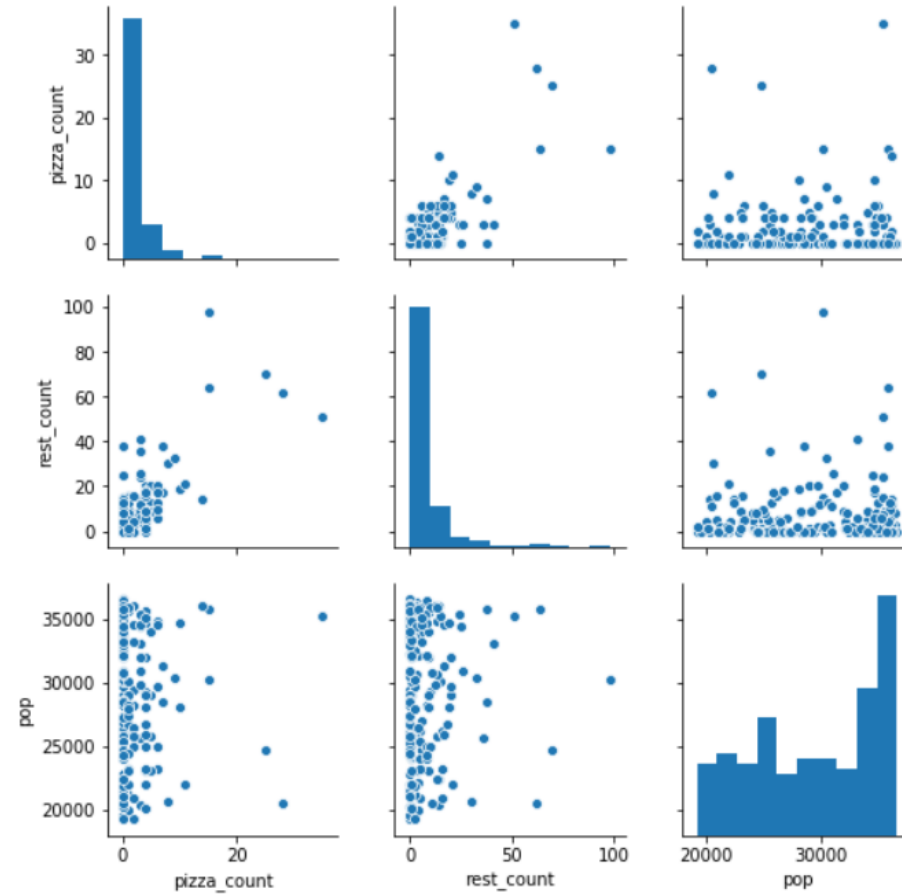
Background

- Ideal location to open pizza shop
- Based on dinner restaurant density
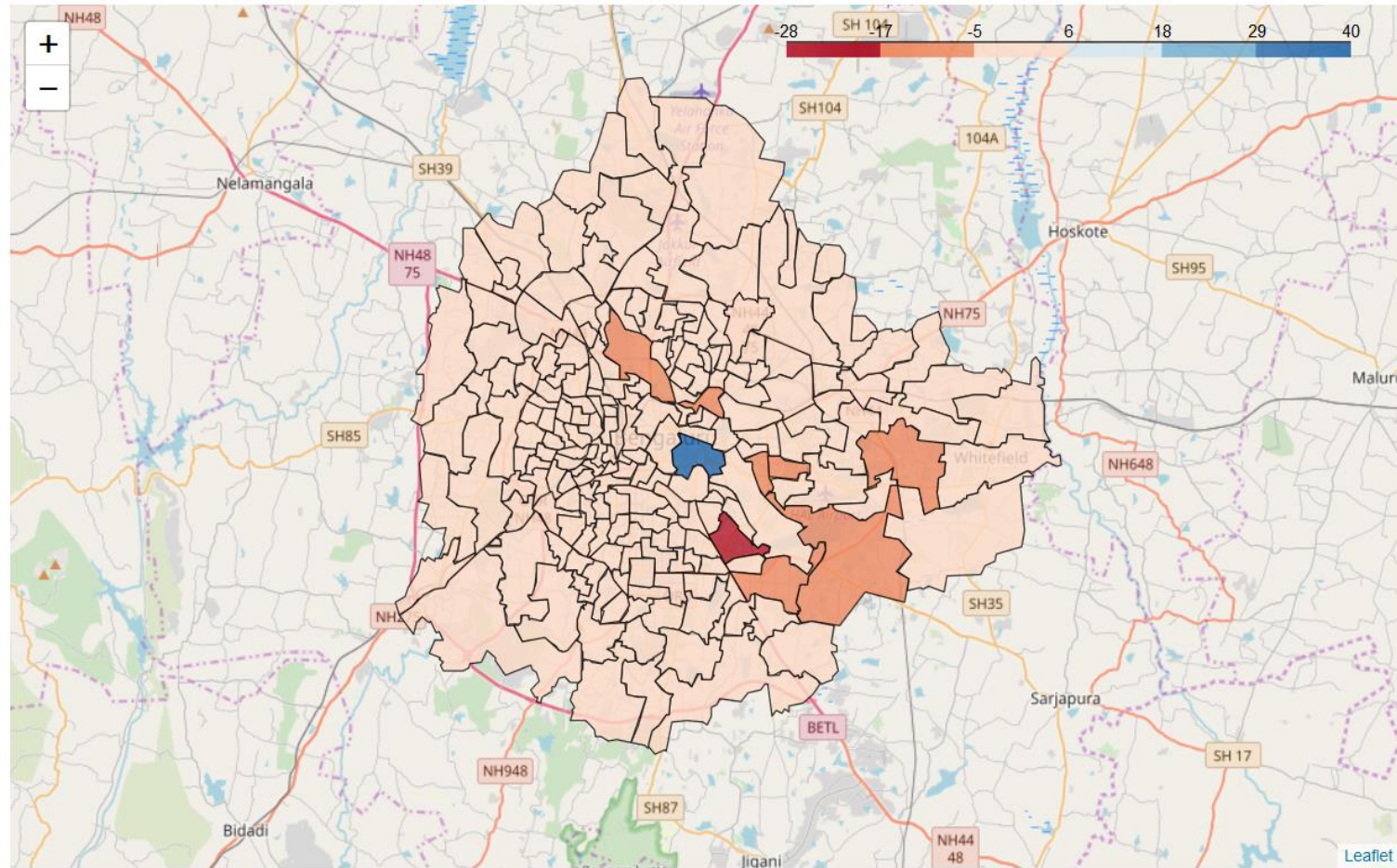
Poisson Regression

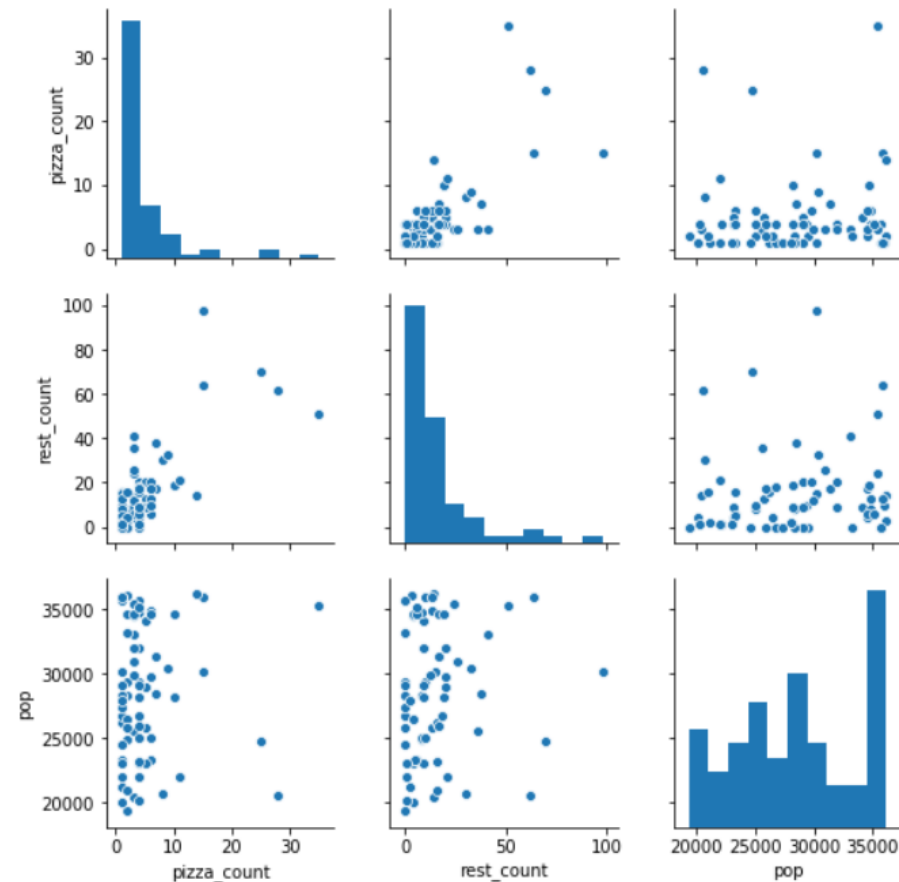$$log\lambda_i = \beta_0 + \beta_1 x_1 + \beta_2 x_2$$
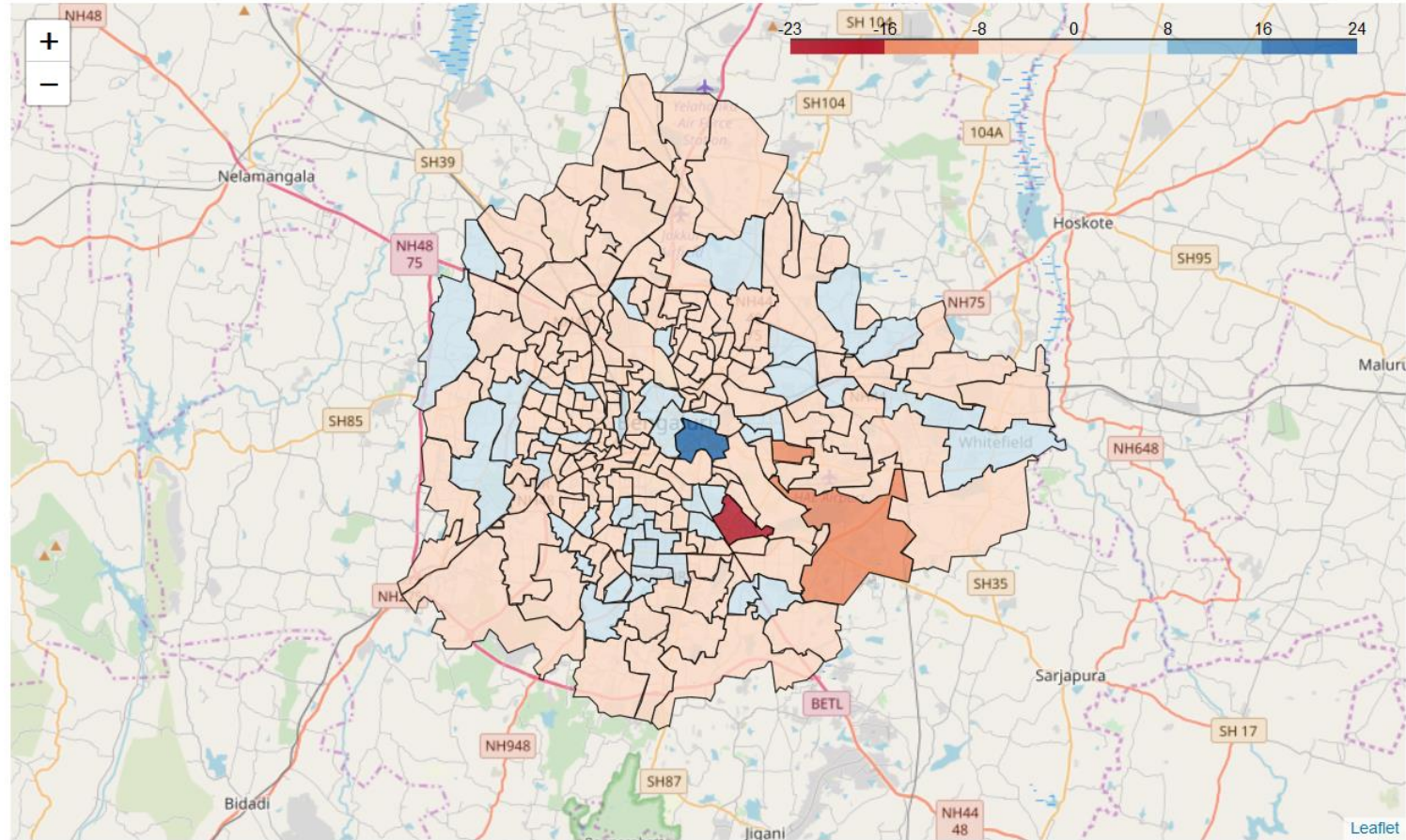
Residuals

Top 10 locations

Rank	Less than expected count	More than expected count
1	Shantala Nagar	Koramangala
2	Halsoor	Bellanduru
3	BTM Layout	Jeevanbhima Nagar
4	Bilekhalli	Dodda Nekkundi
5	Marathahalli	Domlur
6	Sampangiram Nagar	Pulikeshinagar
7	Puttenahalli	HSR Layout
8	Vasanth Nagar	Aramane Nagara
9	Byrasandra	Byatarayanapura
10	Gandhinagar	Rajarajeshwari Nagar

Poisson Regression (without zero counts)

Residuals (without zero counts)

Top 10 locations (without zero counts)

Rank	Less than expected count	More than expected count
1	Shantala Nagar	Koramangala
2	Sampangiram Nagar	Bellanduru
3	Vasanth Nagar	Jeevanbhima Nagar
4	Radhakrishna Temple Ward	HSR Layout
5	Karisandra	Dodda Nekkundi
6	Suddagunte Palya	Pulikeshinagar
7	Basavanagudi	Domlur
8	Pattabhiram Nagar	Rajarajeshwari Nagar
9	Subhash Nagar	Byatarayanapura
10	Lakkasandra	Arakere