

Syracuse Potholes & Road Quality

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The city of Syracuse is filling more than 7000 potholes in last six months. Deep potholes can cause serious damage to cars. This study is to use data to tell the story of the road quality of Syracuse and create a more comprehensive picture of the pothole problem the city faces. This study aims to answer three research questions: (1).which street location has most potholes been filled? (2). How is the road quality of City of Syracuse from 2000 to 2015? And (3).When and where the potholes were filled?

Streets with most potholes filled

per 500 meters, As of September 2016



According to Department of Public Works's street repair division ,every street in this city is rated based on a 1-10 scale. A road with rating score higher than 7 is in good condition, while any road with rating score lower than 6 is defined poor condition. A rating score between 6 and 7 indicates the road in fair condition.

2015 Average Road Rating



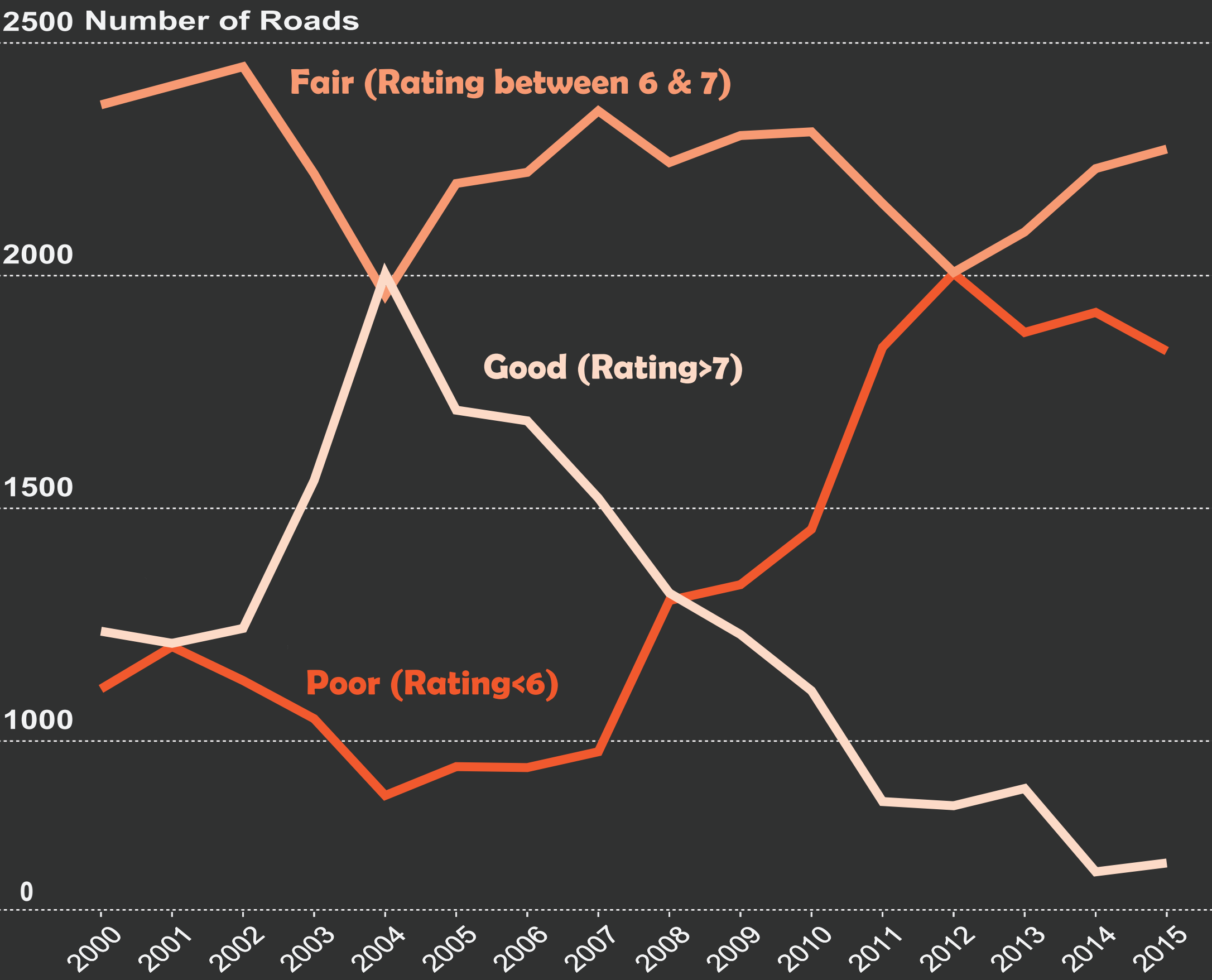
Dataset:

The pothole filled dataset and road ratings dataset used in this study are from Civic Data Hackathon: Syracuse Roads Challenge Website. The pothole filled dataset contains potholes fixed records in the City of Syracuse from April, 2016 to September, 2016. This dataset includes 10 variables and 7538 observations. The road ratings dataset contains ratings information of each street in Syracuse from 2000 to 2015.

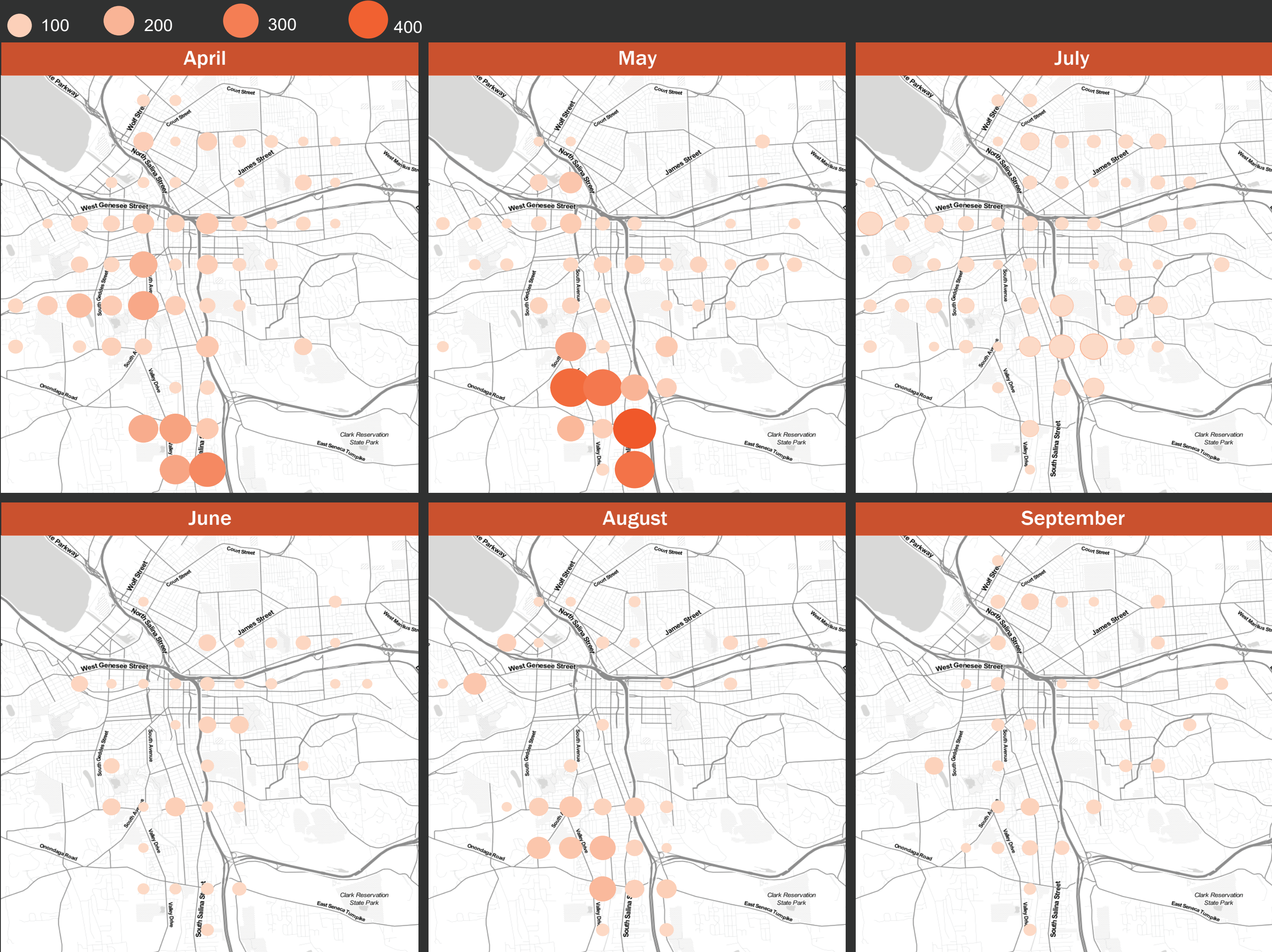
Audience:

Government and citizen of Syracuse who wants to find out the information about the potholes and road condition of City of Syracuse.

Road Ratings of Syracuse, 2000-2015



When and Where the potholes were filled?



The maps show where the potholes were filled by each month(from April to September 2016). We can see most potholes filled are located in the South Syracuse. The pie chart below give the information of percentage of potholes filled by month. It is clear that most porholes were filled in April and May.

Potholes filled by month

