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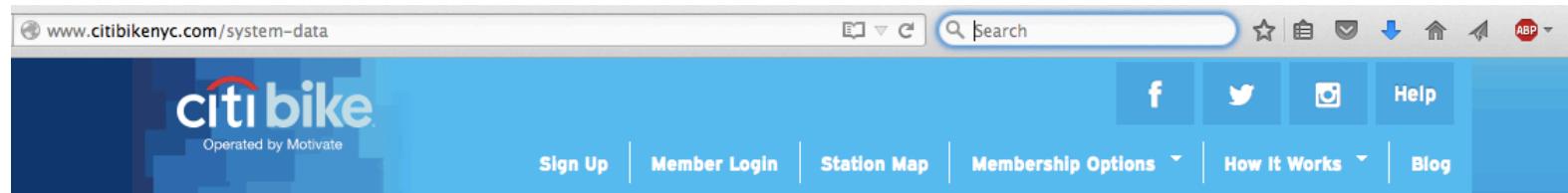
Usage of the New York City bike sharing system

- effects of weather condition on people behavior
- differences between men and women usage

can help to:

- improve the bike redistribution system
- understand which group we should address to increase bike usage

The New York City bike sharing system



System Data

Where do Citi Bikers ride? When do they ride? How far do they go? Which stations are most popular? What days of the week are most rides taken on? We've heard all

MesoWest - the University of Utah



Modeling total trip duration within an hour

Splitting data:

- summer and winter
- men and women

Model:

- linear regression
- training set: hourly data from Jun-Aug 2014
- testing set: hourly data from June 2015

Modeling total trip duration within an hour

Splitting data:

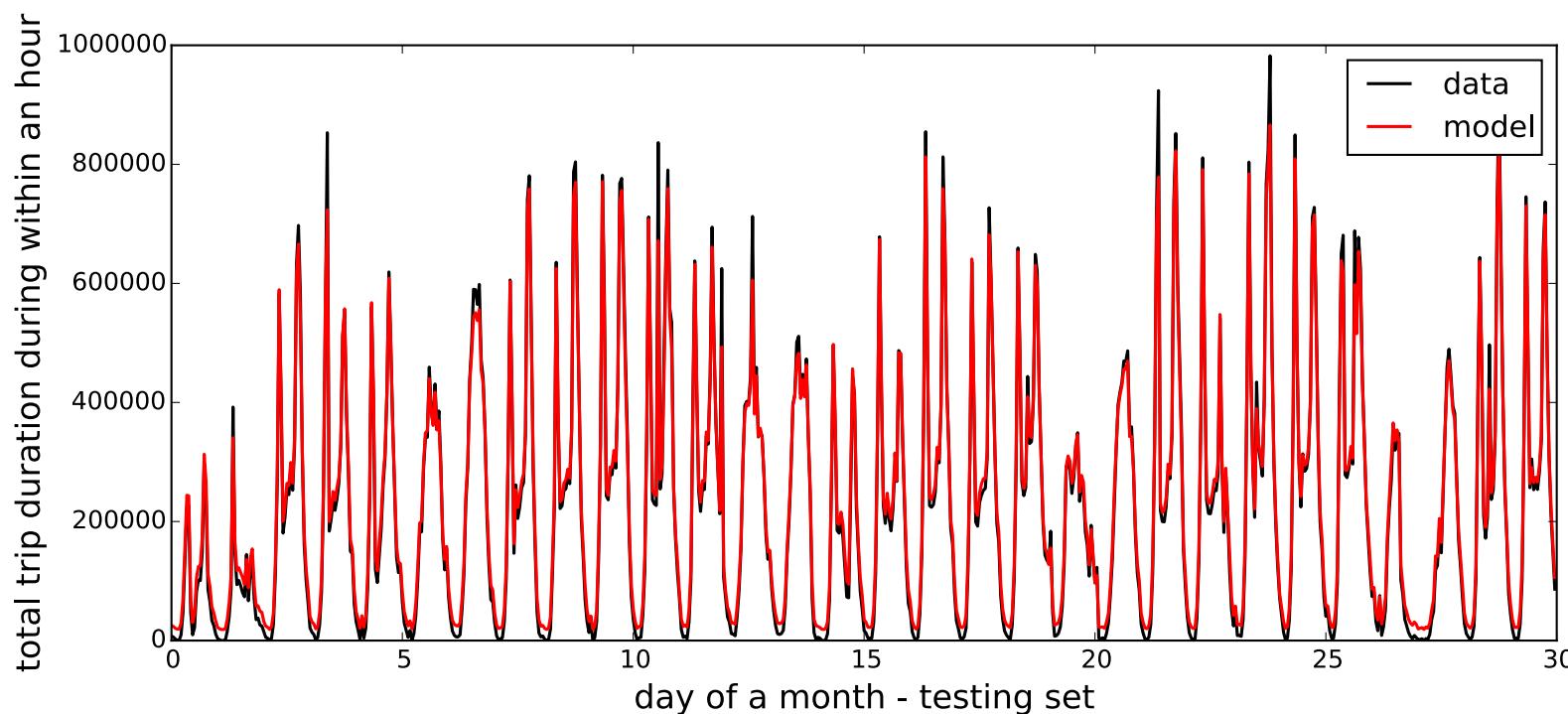
- summer and winter
- men and women

Model:

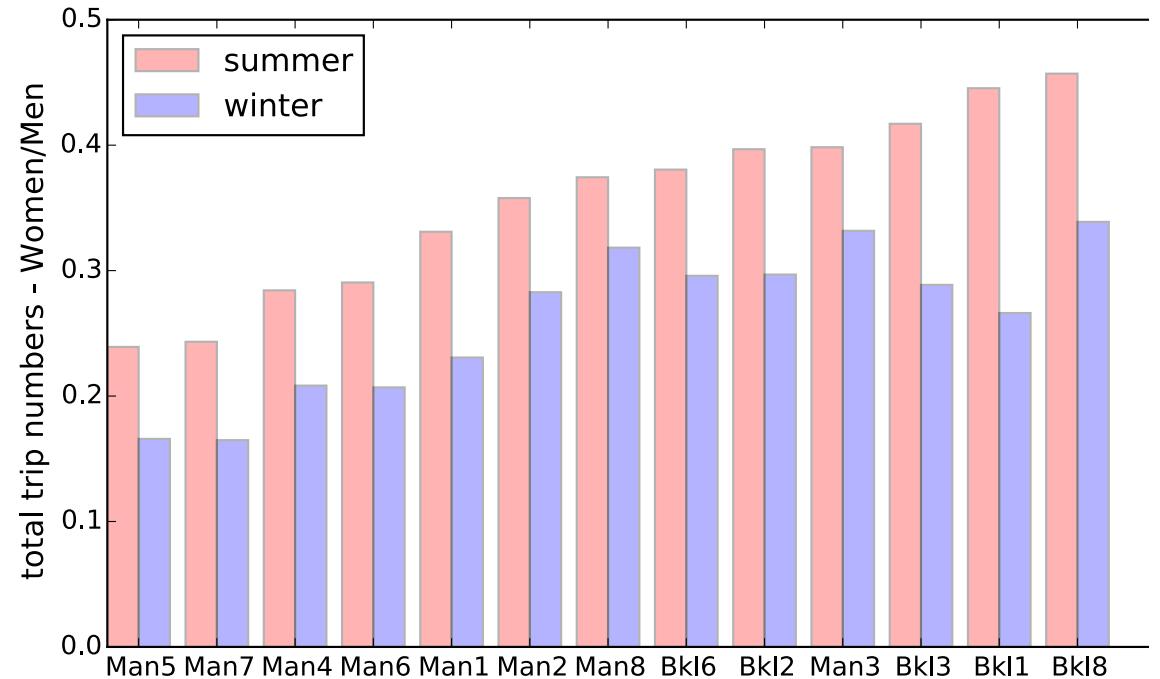
- linear regression
- training set: hourly data from Jun-Aug 2014
- testing set: hourly data from June 2015

Model features:

- time of day
- temperature
- precipitation



Analyzing differences between Man and Women usage

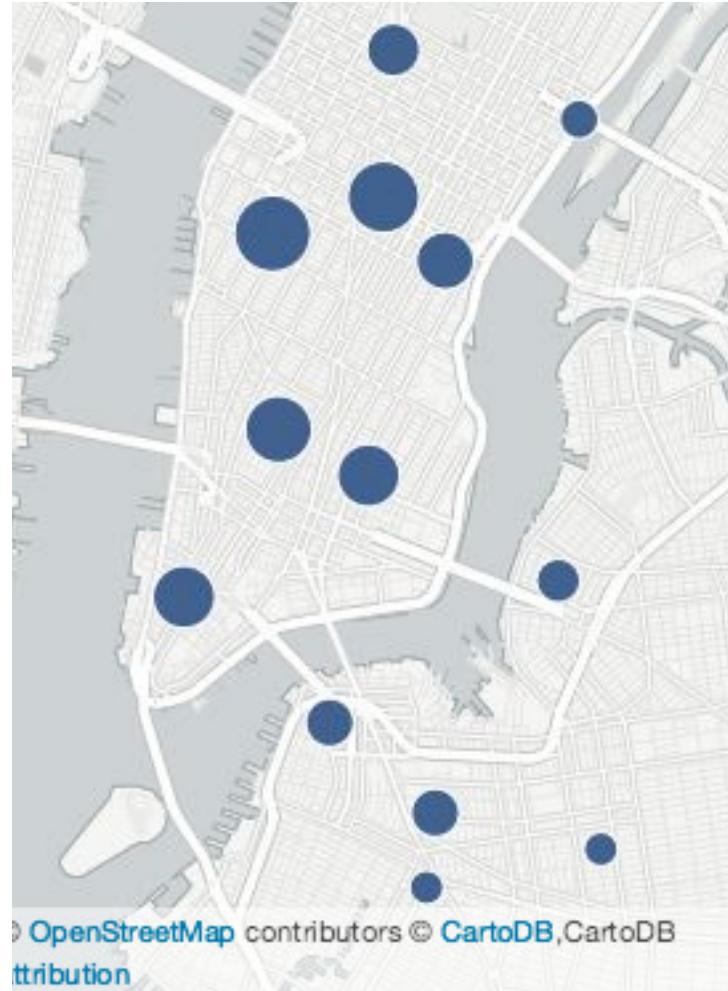


- Man 1-8: Manhattan, districts 1-8
- Blk 1-6: Brooklyn, districts 1-6

total number of trips -
Women / Men ratio



total number of trips
(both genders)



Thank you!

All results will be available soon:

<http://bikes-usage.herokuapp.com>

Analyzing differences between Man and Women usage - NYC neighborhoods

