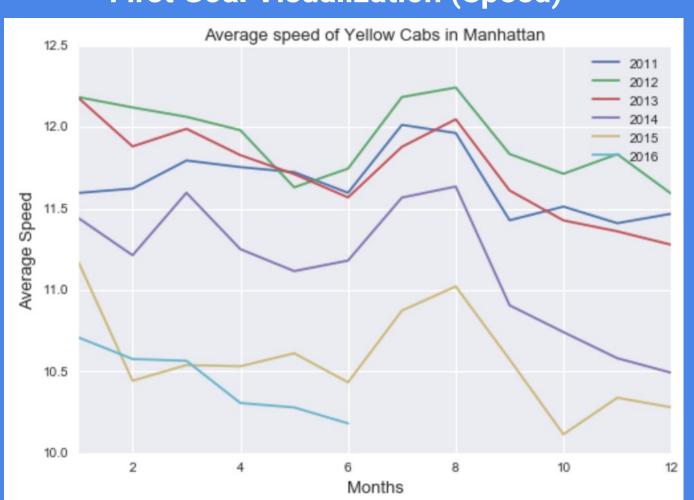
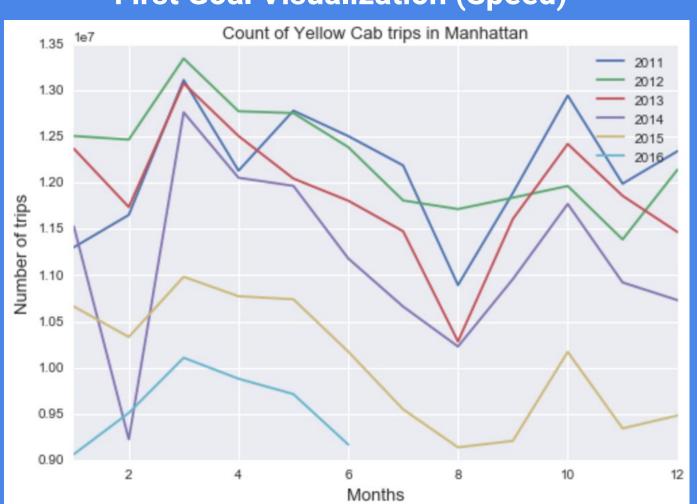


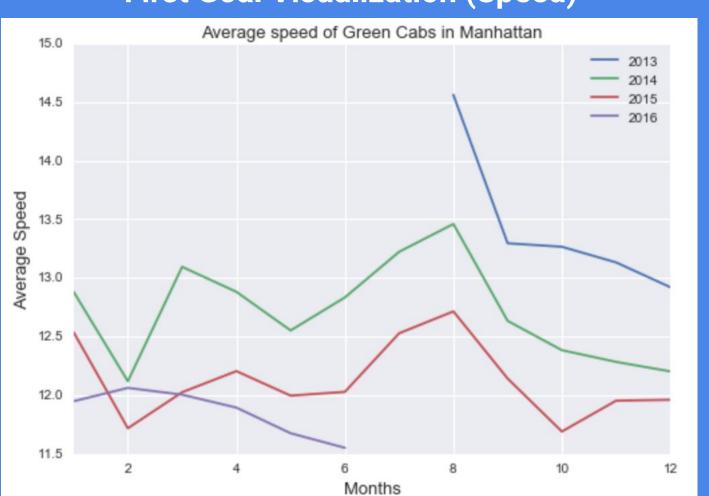
Vision Zero

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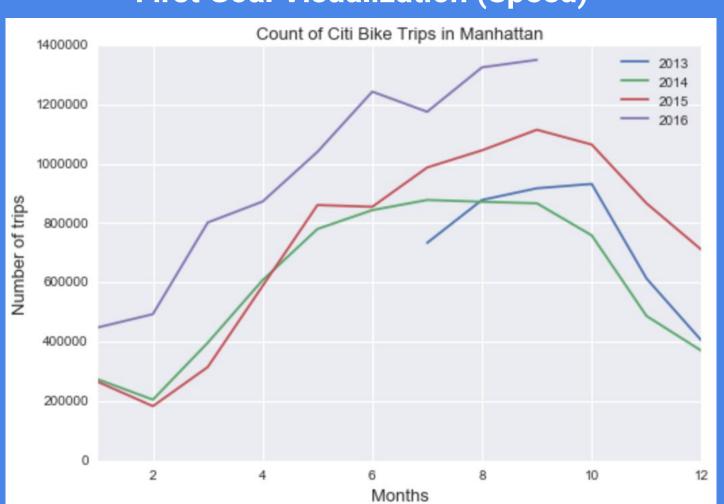


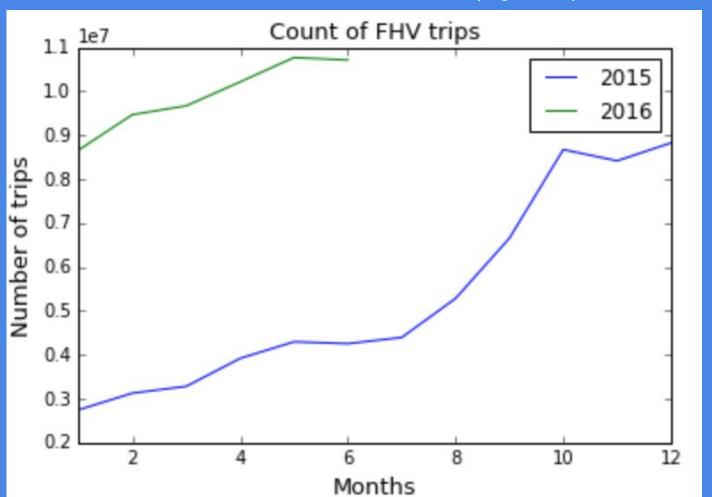


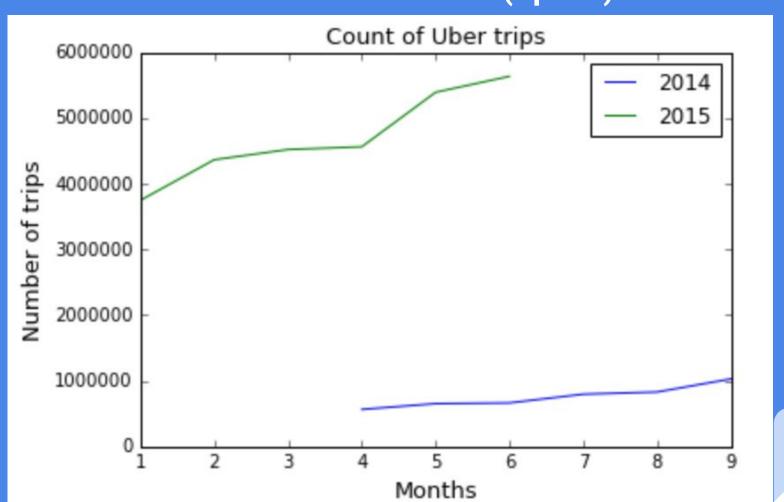


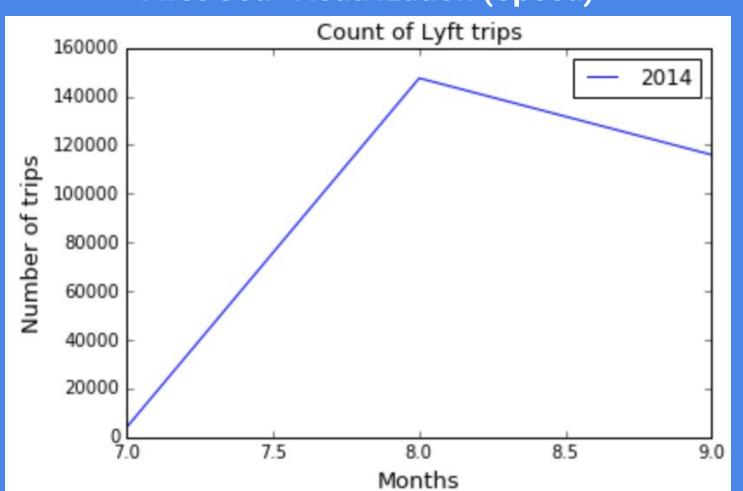


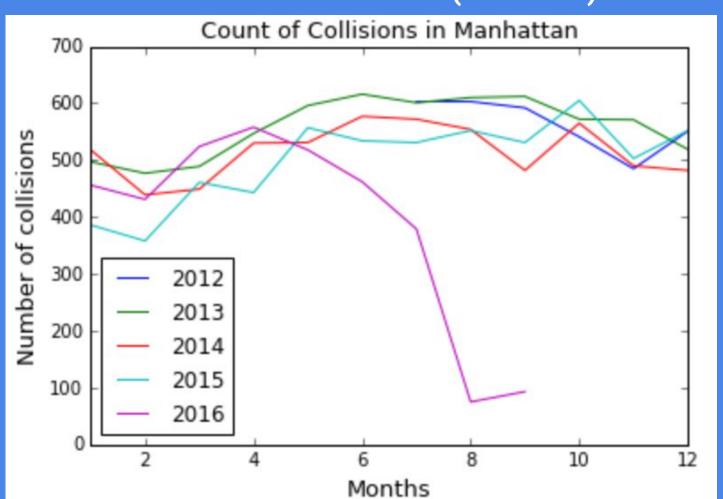


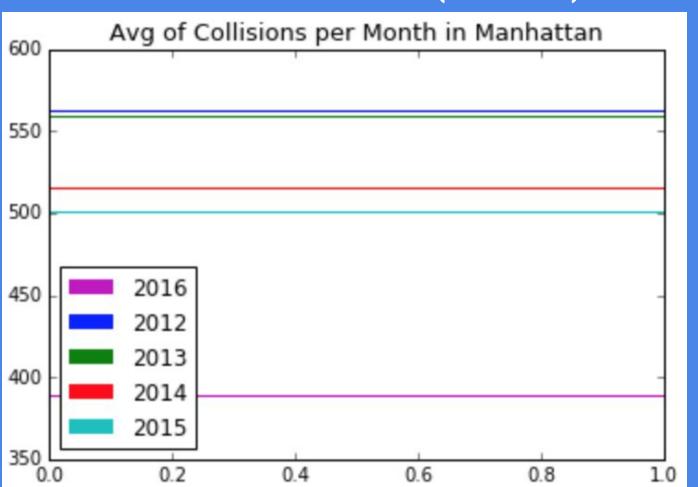


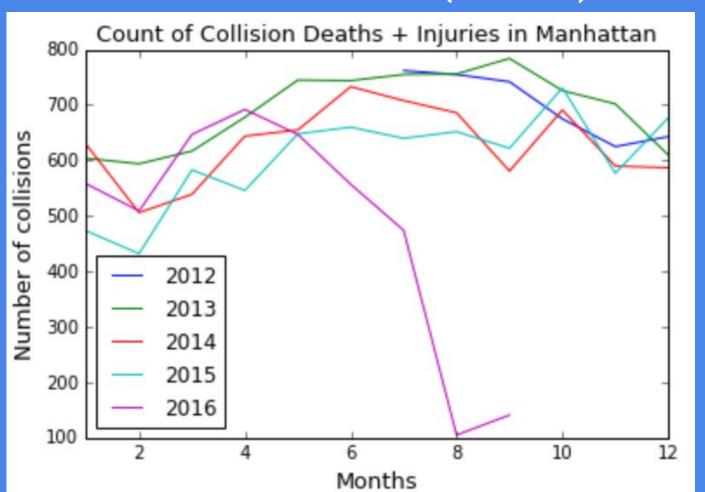


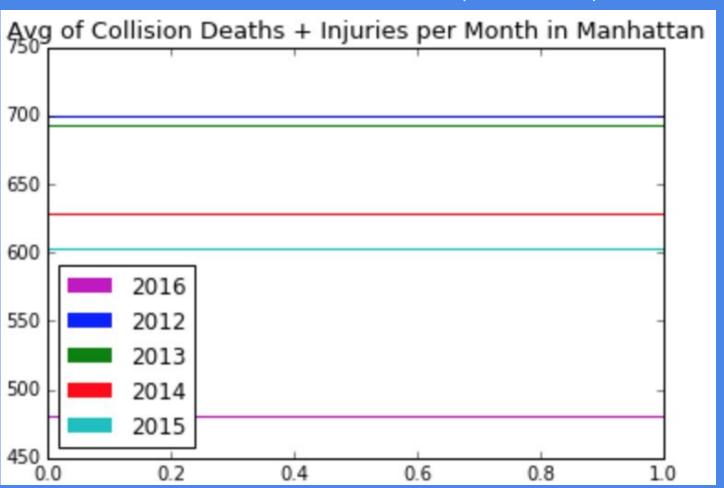










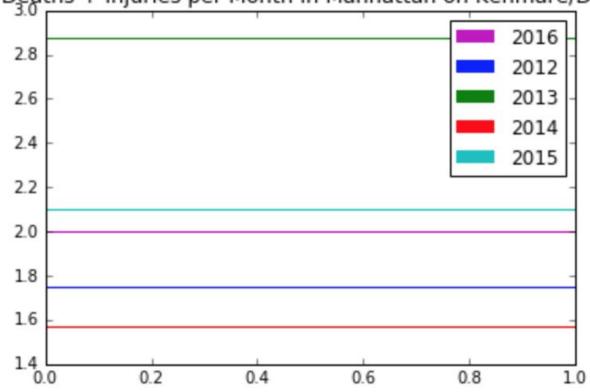


First Goal Visualization (Street Redesign)

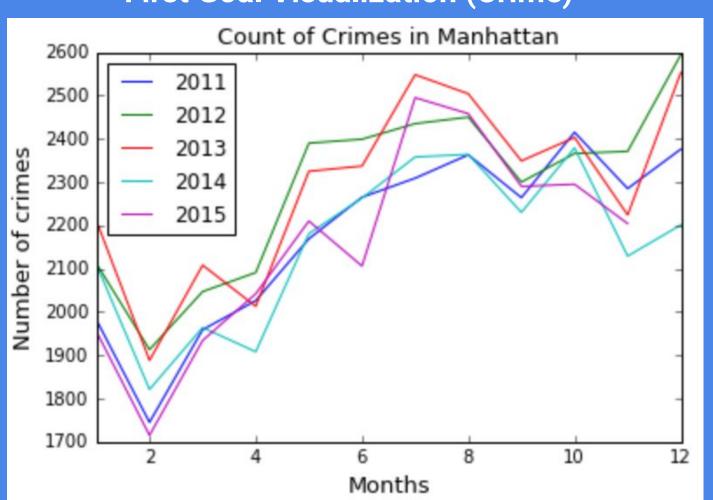
Count of Collision Deaths + Injuries in Manhattan on Kenmare St/Delancey St/Springs St Number of Injuries+Deaths

First Goal Visualization (Street Redesign)

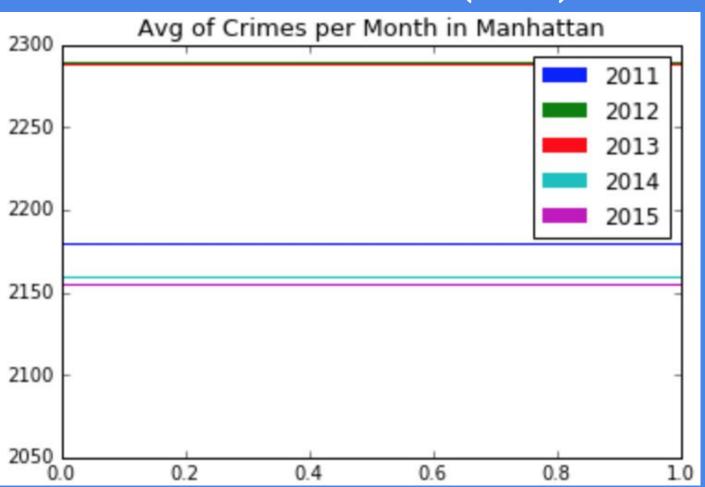
Avg of Collision Deaths + Injuries per Month in Manhattan on Kenmare/Delancey/Springs St

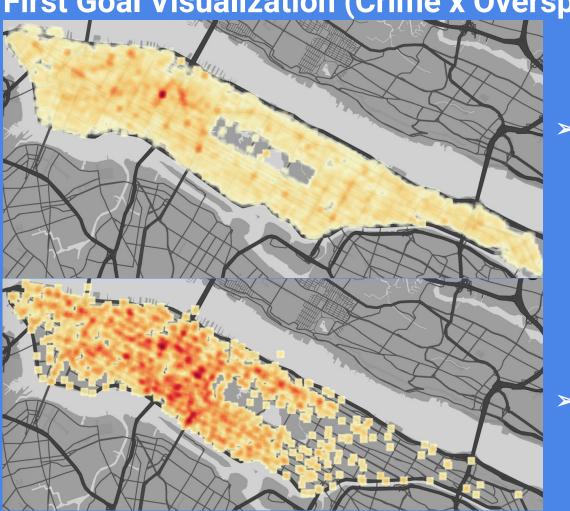


First Goal Visualization (Crime)

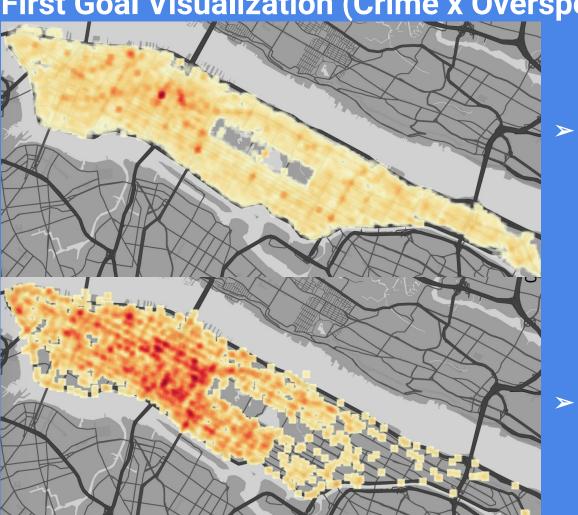


First Goal Visualization (Crime)

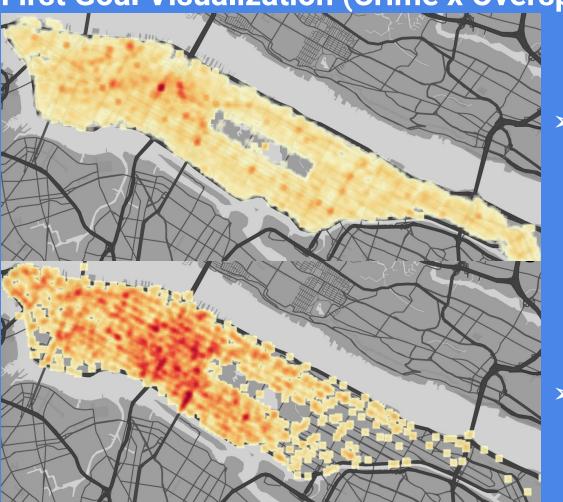




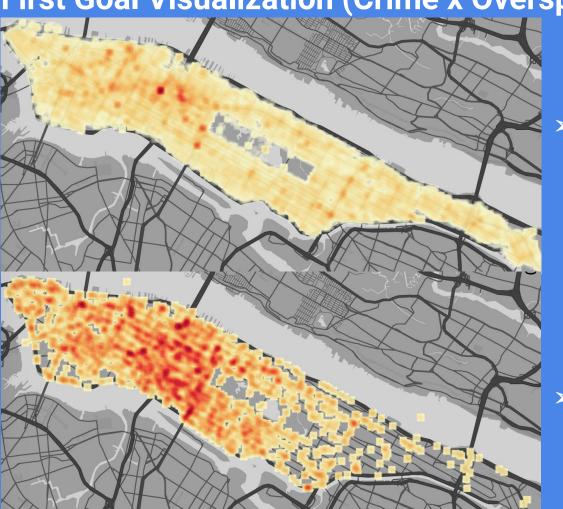
Crime in 2011



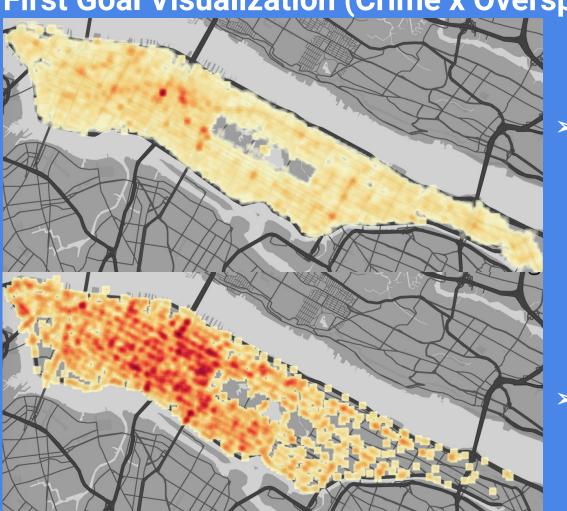
Crime in 2012



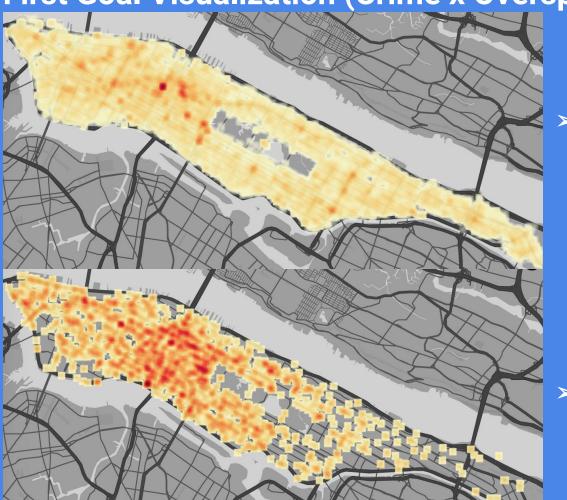
Crime in 2013



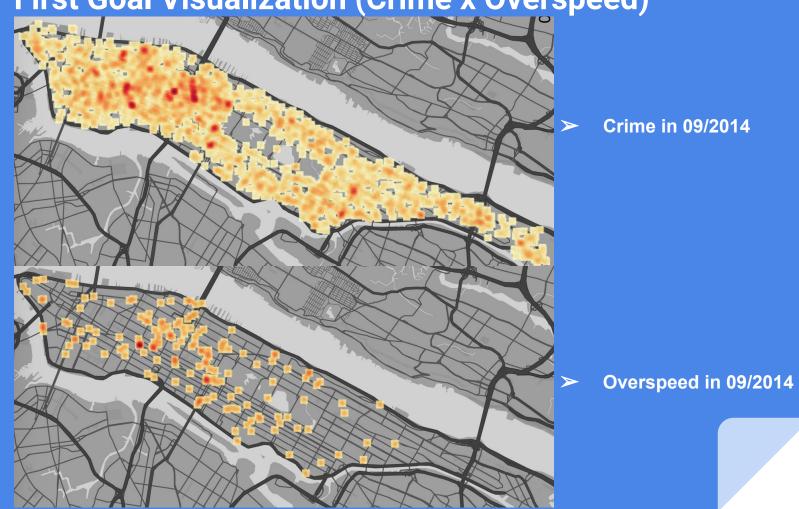
- Crime in 2014



Crime in 2015



Crime in 2015



First Goal Visualization (Crime x Overspeed) Crime in 09/2015 Overspeed in 09/2015

Second Goal Evaluation (Speed)

Hypothesis Testing on Avg speed on Sep/2014 and Sep/2015

######################################	(μ_09_2014 = μ_09_2015)?	На
Yellow	Reject	μ_09_2014 > μ_09_2015
Green	Reject	μ_09_2014 > μ_09_2015
Citi Bike	Reject	μ_09_2014 < μ_09_2015

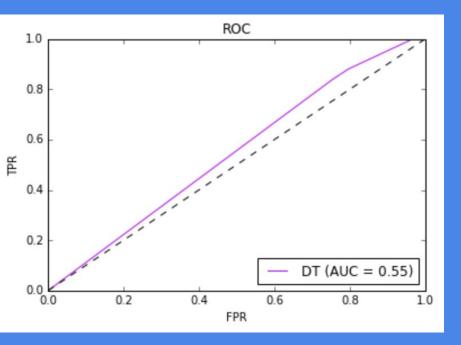
Second Goal Evaluation (Street Redesign)

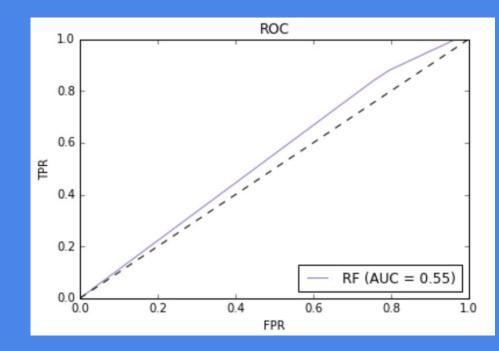
Ratio of Collisions Before 2014 and After Redesign on Delancey/Spring St on Feb 2014

#######################################	Deaths + Injuries	AVG per Year
From 2008 to 2014(exclusicve)	139	23
From 2014 to 2016	40	13.3

Ratio = 13.3 / 23 = .578, which gives a decrease of 42% on the number of deaths+injuries

Third Goal Hidden Correlation Discovery (Engineered Dataset)

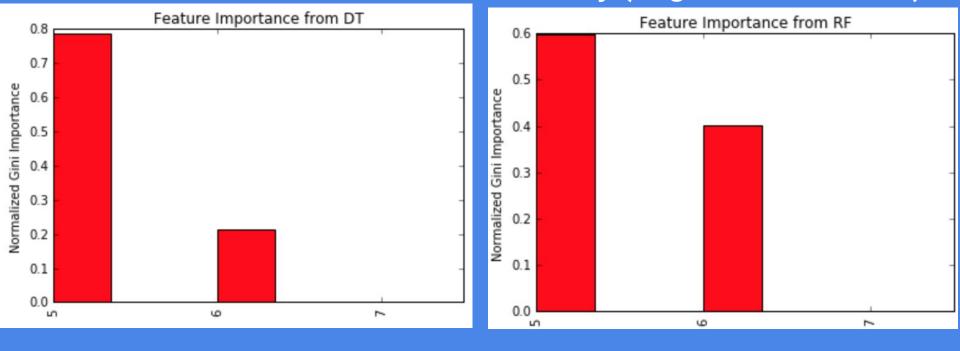




Decision Tree

Random Forest

Third Goal Hidden Correlation Discovery (Engineered Dataset)



Decision Tree

Random Forest

Summary:

Outcomes

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Thank you!

