

CULVER ROAD AND EAST MAIN STREET INTERSECTION

TRAFFIC ANALYSIS REPORT

Nicholas Yager, Tom Hartvigsen, Matthew Taylor
Group Name: "Three Degrees of Freedom"

March 18, 2015

Introduction

Data Analysis

To assess the traffic conditions at the Culver Road and East Main Street intersection, we performed analyses to examine trends and patterns in the traffic observed, as well as methods for predicting traffic congestions based on time of day, day of the week, and the weather conditions present.

Trend and Pattern Analysis

To examine the general trend in the metrics we were provided, we performed linear and multivariate regression. These techniques allows us to approximate the traffic volume and delay. As shown in Figure 1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec vitae nunc quis sem cursus luctus in at est. Etiam at augue ac libero interdum euismod non nec sem. Aliquam erat volutpat. Phasellus auctor urna purus, ac rutrum eros fermentum ut. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

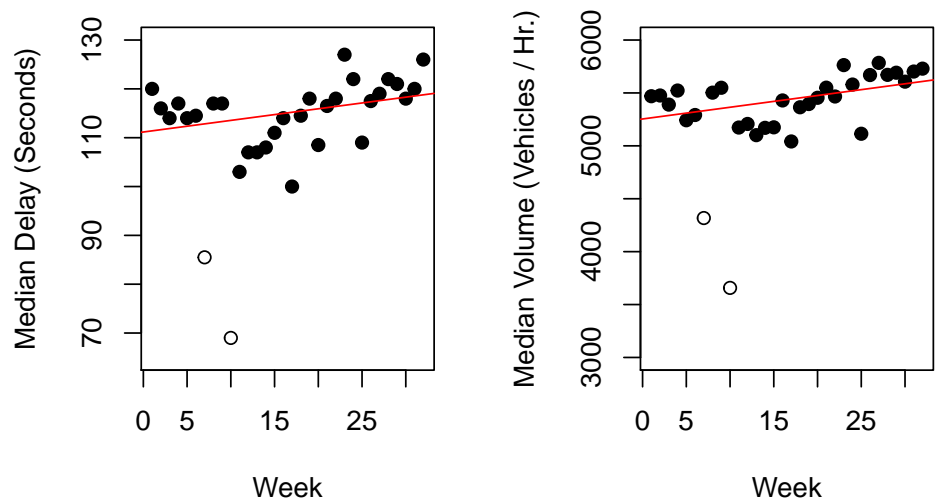


Figure 1: The median delay and volume is increasing over time. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec vitae nunc quis sem cursus luctus in at est. Etiam at augue ac libero interdum euismod non nec sem. Aliquam erat volutpat. Phasellus auctor urna purus, ac rutrum eros fermentum ut. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Bayesian Analysis

Weather Analysis

Recommendations

Nuke Rochester.

Cited Literature

Leviticus.