Topic: The impact of the 'school run' on pedestrian-vehicle crashes in Atlanta, GA

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Project Description: More and more people start to concern the pedestrian safety on the road. There are many factors that induce pedestrian injuries. The 'school run' means the peak time for students going to school or go back home, and it is one of the risk factors that influence pedestrian crashes. This project will focus on analyzing Atlanta, GA. Analysis is conducted to support this hypothesis to figure out how to improve this phenomenon. To analyze the factors that influence 'school run', a time-period is selected to show the difference before and after a pedestrian design project improvement. The data source includes Pedestrian-vehicle collision records provided by Georgia Department of Transportation (GDOT) and the official Georgia Accident Reporting System, School District from Tiger Census, as well as the road network dataset provided by the Atlanta Regional Commission.