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DS 670: Capstone: Big Data & Business Analytics

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30 March 2017

LAB 9 – Apply Aggregation & Group Operations

The reference that I am trying to outperform is from an IEEE Journal called '*City Forensics: Using Visual Elements to Predict Non-Visual City Attributes*'. The article is based on five cities whereas I am focusing on the primary city of Chicago, Illinois. I plan to use regression analysis with time series, whereas the competitor article is using Support Vector Regression. Correspondingly, what we have in common is that we are both identifying the non-visual city attributes to visualize our data. In the article, they are observing neighborhood decay (i.e. broken glass, graffiti, trash, etc.) However, in my other dataset, I would be using performance metrics to observe street signs, potholes, pole wires, etc. In the aggregation process, the target would be to show distinction of quality and geographical state of improvement that can be implemented in Chicago.