**Most Livable Cities In The US**

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Abstract

Climate change is the mother of all externalities: larger, more complex and more uncertain than any other environmental problem. This paper focuses mainly on the impact of weather change on the nation’s economy by estimating the effects of random year-to-year variation in climate change and any extreme weather changes in those years. To narrow down our analysis we are analyzing the economic aspect of the north-east area. We are analyzing the impact of weather change on the few important industries like electric power, agriculture industry and online product selling industries.

# Introduction

Extreme weather effects have always had and will continue to have significant consequences for the society and the economy. Climate projections tell us that changing extreme weather patterns are very likely to increase the exposure to those events. Weather impacts can be complicated and affect various sectors of the economy in different ways.

The aim of this analytic project is to analyse the historical weather dataset and the drastic changes in the environmental conditions and studying how the current weather conditions will hamper US economy and to what extent. The economic data consists of GDP per capita and the stock data of concerned industry in the particular region.

# Motivation

(Write a couple of paragraphs describing why you think this analytic is important. Why should people care about this analytic?)

# Related Work

This paper attempts to estimate the role of climate and weather on economic outcomes. Climate will have an impact on economic wellbeing. Many believe that the largest impact will be on agriculture sector because temperature and precipitation are direct inputs in agriculture production.

Most prior research employs either the production function or hedonic approach to estimate the effects on climate change. The hedonic approach attempts to measure directly the effect of climate on land values.

A 2014 study from HIS Global Insight found that a major storm with “impassable” roads could have a significant economic impact with just a one-day shutdown. The research shows that a single day’s shutdown in New York costs about $700.17 million, while Massachusetts loses about $265.12 million

Weather directly or indirectly affects production and consumption decision making in every economic sector of United States at all temporal and spatial levels. Weather affects the economy by affecting both supply and demand for the products and services of an industry.

The main industries who can have huge impact on their economic status because of weather or climate changes includes electric power, agriculture and online product selling companies. The main goal of this paper is to determine the impact of extreme weather or climate changes on the economy of these important industries which collectively can help to determine the nation’s economic growth of particular industry in particular weather or climate conditions. This analysis will be helpful for those people who are investors. The analysis is to be done to help the common people in taking decisions while investing in particular industry. The analysis can help them to determine which industry makes most of the growth in which season and accordingly they will be able to invest their valuable money.

# Design

# C:\Users\Shruti\Downloads\Bigdata_Design.png

# Results

(Future… In this section, you can describe: Your experimental setup/issues with data/performance/etc. Describe your experiments, describe what you learned. Did you prove or disprove your hypothesis? Were some results unexpected? Why? )

# Future Work

(Future… Given time, how would you expand your analytic? Could it be applied to other areas? Etc…)

# Conclusion

(Future… One or two paragraphs about the value/accuracy/goodness of your analytic.)

##### Acknowledgment

(This section is optional. It can be used to thank the people/companies/organizations who have made data available to you, for example. You can list any HPC people who were particularly helpful, if you used the NYU HPC.)

##### References

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2. <http://www.nber.org/papers/w10663.pdf>
3. <http://www.nbcnews.com/storyline/blizzard-15/whats-storms-impact-businesses-economy-n294356>
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