**INFM600 – Info Seeking – Suyan Jin**

*Grocery Stores in the city of New Orleans:* <https://data.nola.gov/api/views/fwm6-d78i/rows.csv?accessType=DOWNLOAD>

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Citation:

Grocery\_Stores. (2016, August 25). Retrieved September 14, 2016, from <https://data.nola.gov/api/views/fwm6-d78i/rows.csv?accessType=DOWNLOAD>

The data sets above describe the distribution of different kinds of grocery stores in the city of New Orleans. Visiting different grocery stores is my weekly routine. However, I have never thought about how these stores were located. In this data sets, I would be able to analyze a general trend about how different business type would be located differently, and several exploratory analyses if additional sources were available.

The potential data users and decision makers: The people in management level that wanted to expand their business, such as selecting a new store location and adjusting prices for better competitive advantages.

Questions:

1. What is (/are) the most popular store(s) in the city of New Orleans?
2. What would be the most popular store(s) in high-density area(s), is there any relationship with Question 1 above? (might need maps for locating)
3. What kind of store would you suggest to locate in any specific area? (might need additional demographic sources such as popular activity areas.)

*U.S. Electric Utility Companies and Rates: Look-up by Zipcode (2013):* <http://en.openei.org/doe-opendata/dataset/b09df2ba-b818-48fe-83c1-46bb2f2c20dc/resource/9ffdea94-fe03-4e51-bd09-4d8c12dd92ed/download/iouzipcodes2013.csv> ([IOU rates by zipcode](http://catalog.data.gov/dataset/u-s-electric-utility-companies-and-rates-look-up-by-zipcode-2013/resource/e6be6d71-267f-4812-baf1-7da8e7ac0532))

<http://en.openei.org/doe-opendata/dataset/b09df2ba-b818-48fe-83c1-46bb2f2c20dc/resource/c6c74289-6dce-443c-a386-e9aeb2b37072/download/noniouzipcodes2013.csv> (Non-IOU rates by zipcode)

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Citation:

Huggins, J. (n.d.). IOU rates by zipcode. Retrieved September 14, 2016, from <http://en.openei.org/doe-opendata/dataset/b09df2ba-b818-48fe-83c1-46bb2f2c20dc/resource/9ffdea94-fe03-4e51-bd09-4d8c12dd92ed/download/iouzipcodes2013.csv>

Huggins, J. (n.d.). Non-IOU rates by zipcode. Retrieved September 14, 2016, from <http://en.openei.org/doe-opendata/dataset/b09df2ba-b818-48fe-83c1-46bb2f2c20dc/resource/c6c74289-6dce-443c-a386-e9aeb2b37072/download/noniouzipcodes2013.csv>

The two data sets above mainly provide the average electricity rates of commercial, industrial, and residential based on zip code. The first data set provides investor owned utilities, whereas the second data sets provides non-investor owned utility. As I was roughly reading through the data sets, I see there are several huge pricing gaps between different states. Therefore, I would like to look deeper into the data (maybe with additional sources) and see the cause of those gaps.

The potential data users and decision makers: For people at an electricity company to observe the data sets and make business decisions, and for researchers National Renewal Electricity Laboratory.

Questions:

1. In general, what’s the difference between the electricity rate between IOU rates and Non-IOU rates in the United States?
2. What might affect a state’s electricity rate? (might need additional sources such as average income and electricity usage)
3. What are the potential limitations of comparing electricity rates in these two data sets?

*2015 Prescription Cost Analysis, England:* <http://www.hscic.gov.uk/catalogue/PUB20200/pres-cost-anal-eng-2015-data.csv>

(Codebook: <http://digital.nhs.uk/catalogue/PUB17274/pres-cost-anal-eng-2014-apx.pdf> )

License: <http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>

Citation:

2015 Prescription Cost Analysis. (n.d.). Retrieved September 14, 2016, from <http://www.hscic.gov.uk/catalogue/PUB20200/pres-cost-anal-eng-2015-data.csv>

Glossary of terms - Prescription Cost Analysis. (n.d.). Retrieved September 14, 2016, from <http://digital.nhs.uk/catalogue/PUB17274/pres-cost-anal-eng-2014-apx.pdf>

The data sets basically talk about the details of different medications and their net ingredient costs under different units. As an international student, I was always surprised about the medical costs in some of the western countries. From this data sets, I would like to see what’s the real difference between the cost of a prescription and the amount I really pay.

The potential data users and decision makers: Doctors and Pharmaceuticals who would use this kind of data as references.

Questions:

1. What is the most expensive net ingredient cost?
2. What is the relationship between prescription cost and drug type?
3. Is there any relationship between class of preparation (prep class) and drug price?