

Impact of Canadian Crop Prices on Crop Production

Foundations of Data Science - Group Project

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1 Summary

1.1 Data source

1.1.1 What is the nature of the data you chose?

The data is about farm product prices in Canada dating from 1985 to 2023 November. The data contains the monthly value of each farm product in respect to which province they are provided by. The monthly value in the dataset is depended on what unit of measurement the product is assigned to eg. Dollars per metric tonne. This dataset is provided by Statistics Canada.

1.1.2 Why is it interesting?

The data is interesting because it provides information from 1980 to this present day which allows us to see agricultural trends. With the analysis of these trends it could provide us with insights with current day problems such as inflation and the cost of living crisis.

1.2 Analysis

1.2.1 What were the challenges?

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1.2.2 How did you overcome them?

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1.3 Conclusions

1.3.1 What did you learn about your dataset?

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2 Objectives

2.1 What are the goals of the analysis and why did you choose them?

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2.2 What question(s) do you want to answer?

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2.3 What hypothesis(es) do you have and what is your approach to tackle the problem?

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3 Data Preparation

3.1 What was your data source (e.g., web scraping, corporate data, a standard machine learning data set, open data, etc.)?

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3.2 How good was the data quality?

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3.3 What did you need to do to procure it?

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3.4 What tools or code did you need to use to prepare it for analysis?

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3.5 What challenges did you face?

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4 Analysis

4.1 What trends, correlations, and/or patterns do you see in the data?

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In this paragraph I am going to reference Figure 1.

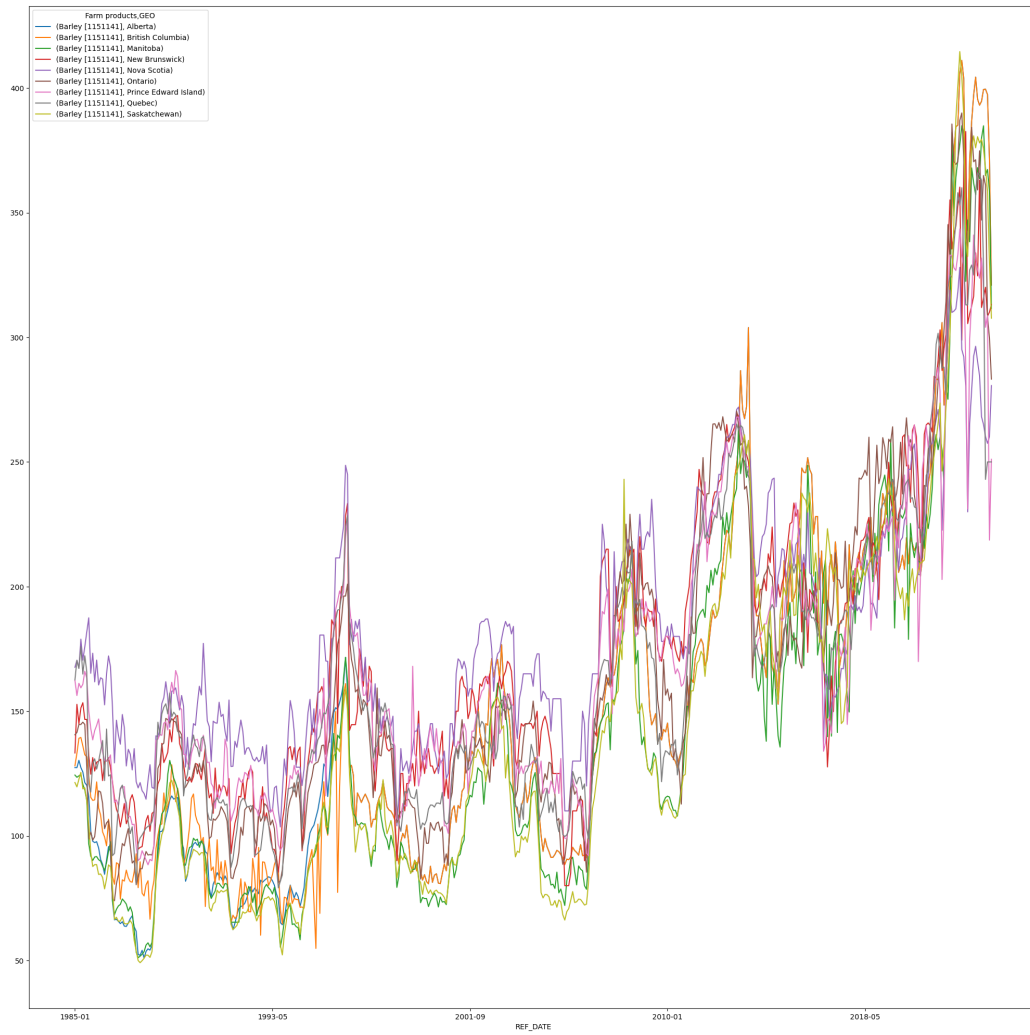


Figure 1: Here is a graph that Jason made.

5 Conclusions

5.1 What did you learn about your data set?