

final-project-report

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4/23/2021

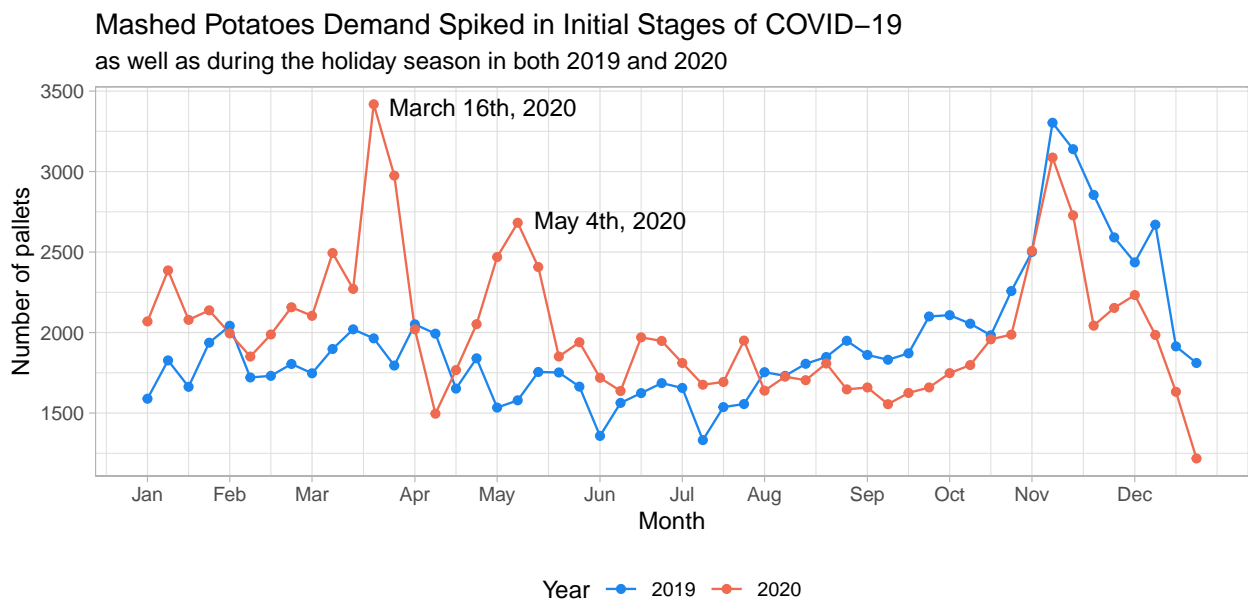
1 Introduction

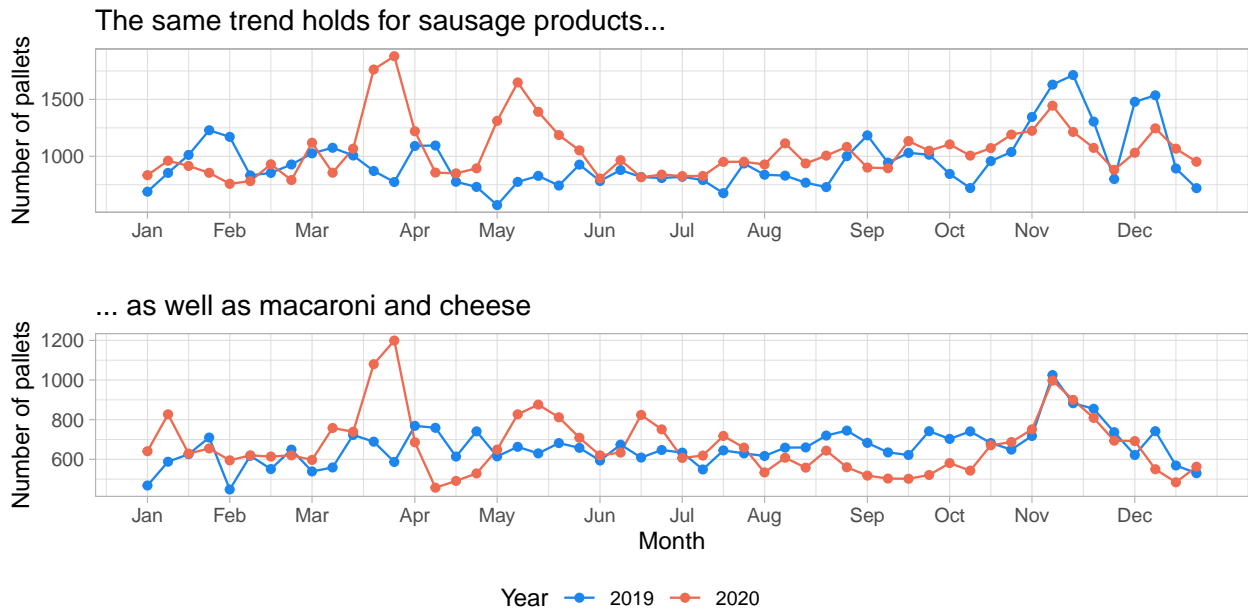
1.1 Background

1.2 Research Questions and Goals

1.3 Data

1.4 Exploratory Data Analysis





2 Methodology

2.1 COVID-19 Panic Buying

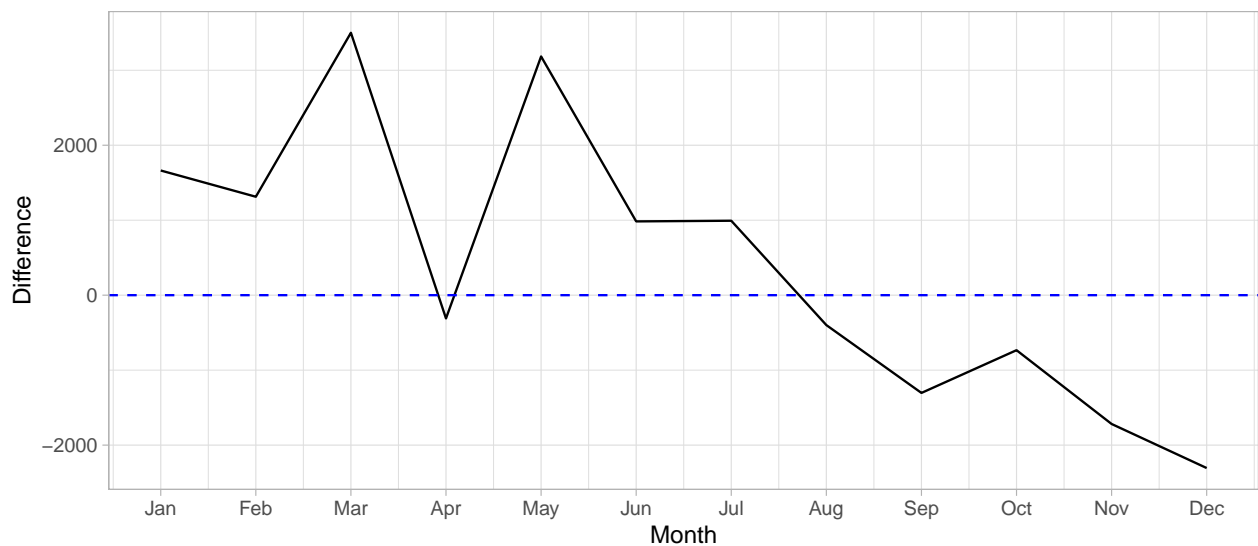
2.2 Seasonality

2.3 Serial Correlation

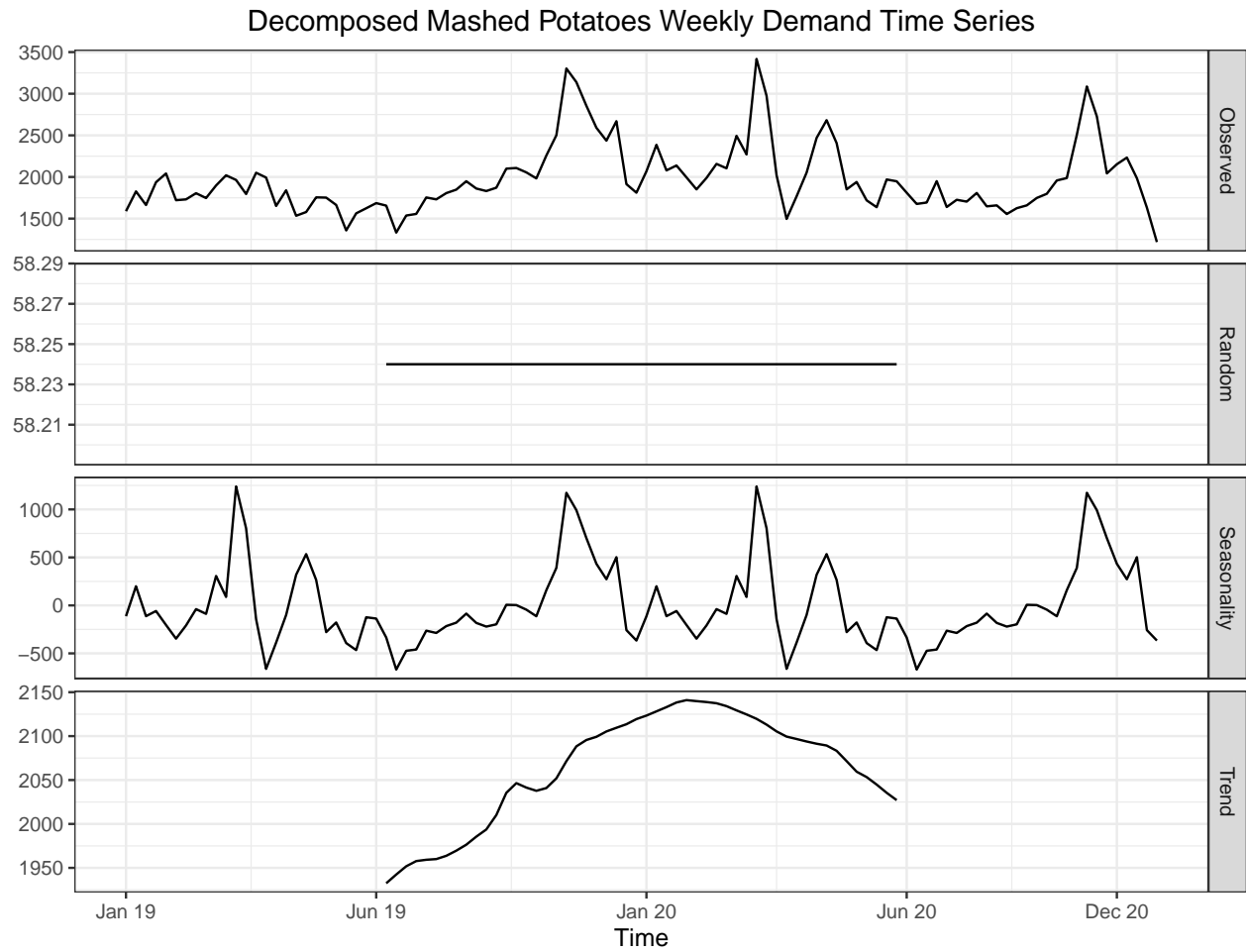
3 Results

3.1 COVID-19 Panic Buying

The Absolute Difference in Mashed Potatoes Demand Decreased Over the Year
 2019 weekly demand subtracted from 2020 weekly demand

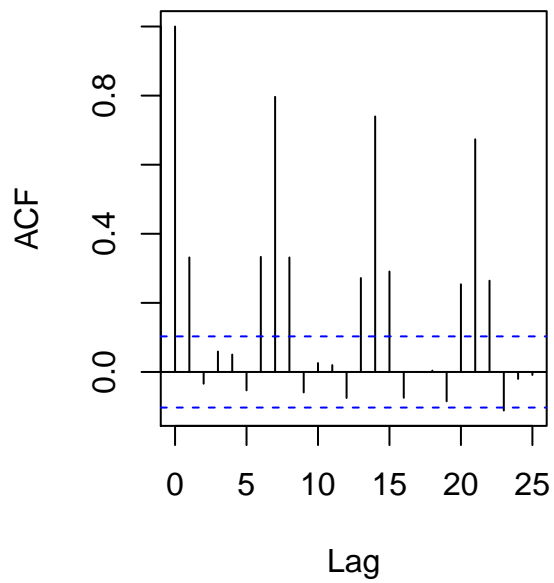


3.2 Seasonality

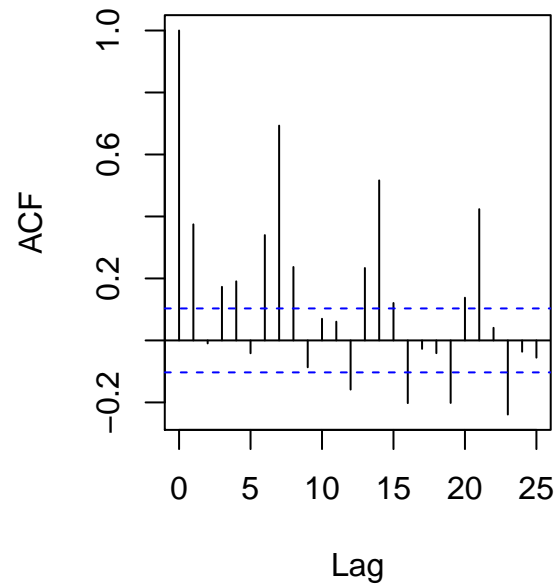


3.3 Serial Correlation

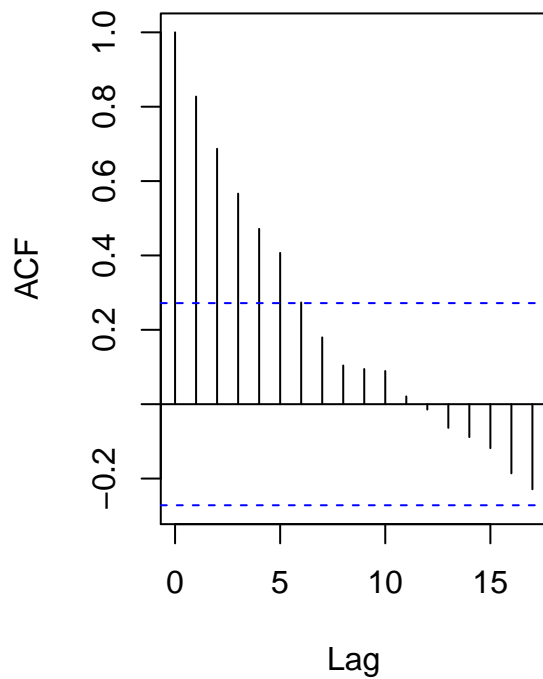
2019 Daily Pallet Count



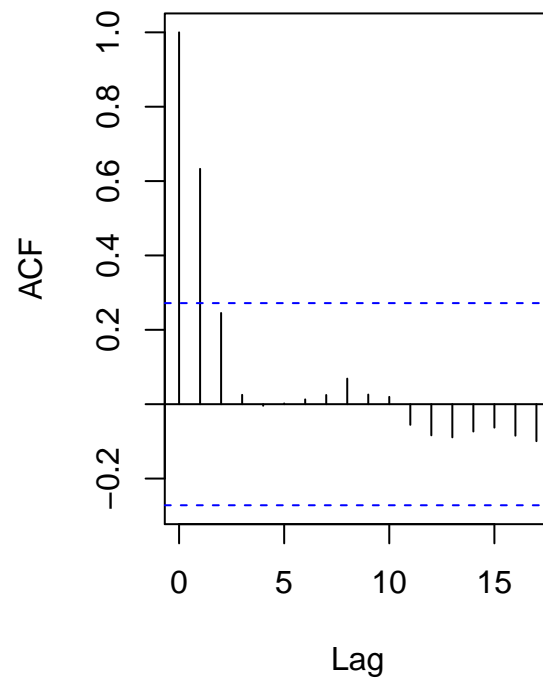
2020 Daily Pallet Count



2019 Weekly Pallet Count



2020 Weekly Pallet Count



4 Discussion

4.1 Implications for the Supply Chain

4.2 Strengths and Weaknesses

4.3 Future Directions

5 Appendix

5.1 Paired t-test Assumptions

5.2 Sensitivity Analyses

5.2.1 COVID-19 Panic Buying

5.2.2 Serial Correlation

ACF Plot for Weekly Pallet Count After May 2020

