Using COVID-19 Examples in Business Analytics

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Teaching in the New Normal

5/22/2020

Things Change

- 75% of offerings hybrid or online
- Students have mixed feelings
- Living on the edge
- Engaging with the changes

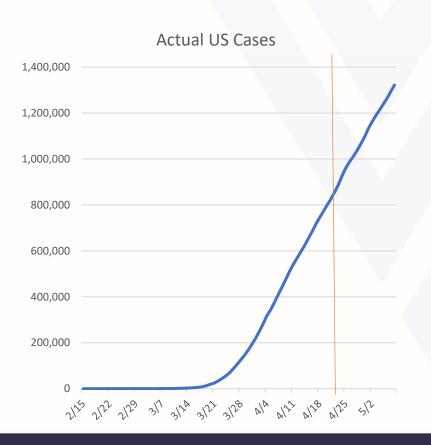


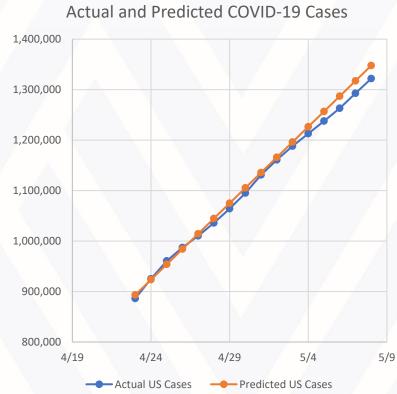
COVID-19 in the Coursework

- BADM 556: Data Analytics for Management
- BUDA 452/BUDA 545: Business Data Simulation
- BADM 611: Business Research Methods

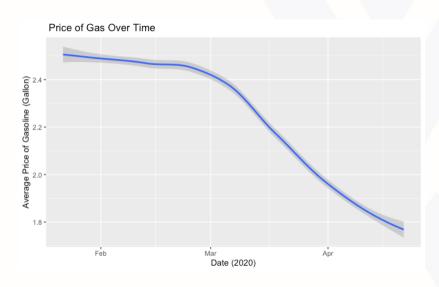


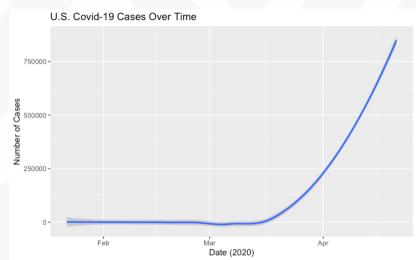
Data Analytics for Management



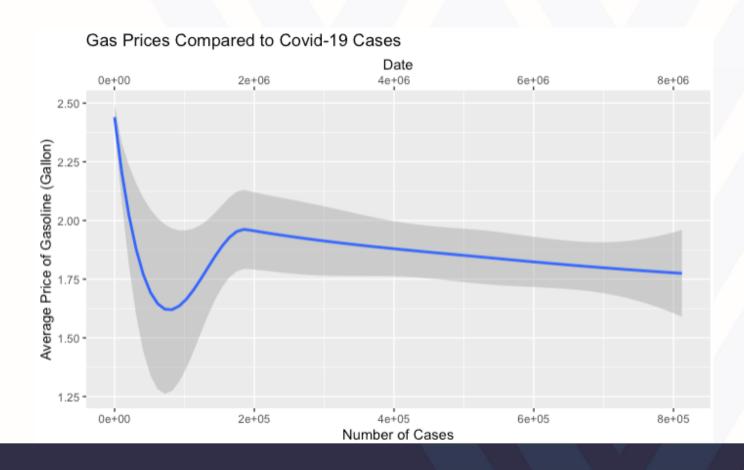


Data Analytics for Management



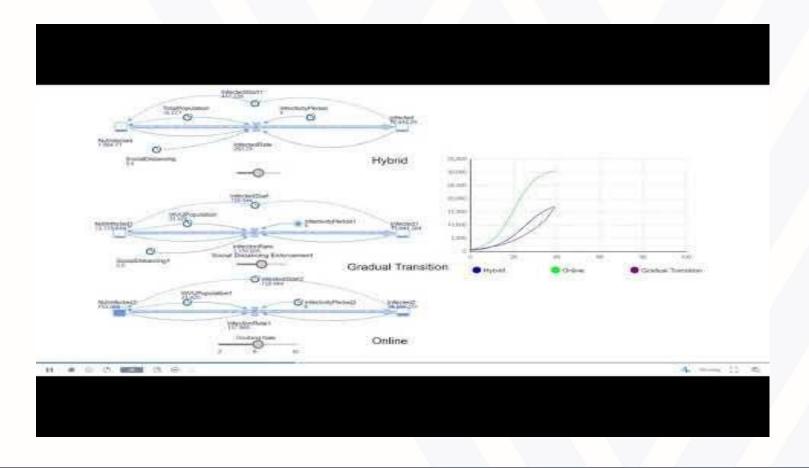


Data Analytics for Management



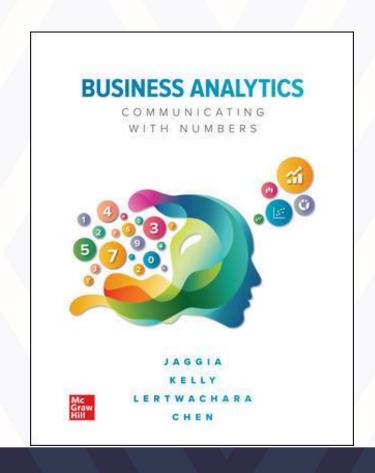


Business Data Simulation



Business Research Methods

- Chapter 1: Introduction to Business Analytics
- Chapter 2: Data Management and Wrangling
- Chapter 3: Data Visualization and Summary Measures
- Chapter 5: Statistical Inference
- Chapter 6: Regression Analysis
- Chapter 7: Advanced Regression Analysis
- Chapter 12: Forecasting with Time Series Data
- Chapter 8: Introduction to Data Mining
- Chapter 10: Supervised Data Mining: Decision Trees







Google Cloud Platform: COVID-19 Public Datasets

Applications

- Five applications of COVID-19 alongside Business Analytics:
 - 1. Apply concepts of data wrangling
 - 2. Identify different types of variables (e.g. continuous, discrete, binary, categorical)
 - 3. Learn methods to evaluate different types of variables and when each method is appropriate
 - 4. Develop and use time series models to predict the number of future cases of COVID-19
 - 5. Develop and use logistic regression to evaluate an individual's risk of contracting COVID-19

Questions and ideas