Syracuse University, School of Information Studies

Master of Science in Applied Data Science

Portfolio Milestone Draft

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Learning goals

Courses Project Overview Skills

IST 659 Database designing related to SQL Server, Access

COVID-19 Power BI,

SQL Server Data Tools

IST 687 Global Fossil Fuel Consumption R, Machine Learning

IST 707 Predicting Airbnb Prices in NYC R, Prediction Modeling,

Data Analysis

IST 718 Stack Overflow 2018 Developer Python, Visualization,

Survey Analysis Data Analysis, Pipeline

IST 736 Data Analysis of the City of San Python, Visualization,

Diego Data Analysis, Natural

Language Processing

Reference

Demonstration of present areas of strength and challenge,

and intends to leverage in a program of life-long learning in the field

Works in progress assessment

The applied data science program at Syracuse University’s School of Information Studies provides students the opportunities to collect, analyze, decide and implement all data related tools and techniques. Each project listed above, data were collected from online sources and stored in SQL or .csv file. By using Python or R packages, visualization and analysis were generated and implemented. From the calculated results, insights from datasets can be developed. All these skills I learned at the School of Information Studies helped future data scientist focusing on the field of accounting, finance, marketing analytics

Describe a broad overview of the major practice areas in data science

Collect and organize data

Identify patterns in data via visualization, statistically analysis, and data mining

Develop alternatives strategies based on the data

Develop a plan of action to implement the business decisions derived from the analysis.

Demonstrate communication skills regarding data and its analysis for relevant professionals in their organization.

Synthesize the ethical dimensions of data science practice.

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1. Introduction

This paper is for graduation portfolio milestone. The applied data science program at Syracuse University’s School of Information Studies provides students the opportunities to collect, analyze, decide and implement all data related tools and techniques.

2. IST 659

This project is to