

Title

Authors

Abstract

- One sentence each for each question below:
- What was the topic?
- What was the problem formulation?
- What was the research question?
- What were the concepts?
- What was the dataset and what were the main data analytics methods and tools?
- What were the most important results in terms of meaningful facts, actionable insights, and valuable outcomes?
- What are the conclusions and recommendations?

Keywords: at least five

Introduction

- Topic
- Importance &Relevance
- Motivation For the study
- Case Company Introduction
- Problem Formulation
- Research Question(s)
- Delimitations
- Advanced Organizer

Conceptual Framework

- Concepts that help understand the research question
- Concepts that inform the data analytics methods and techniques

Related Work

- Academic Articles on the Case Company's Industry Sector
- Academic Articles on Similar Research Questions
- Academic Articles on Similar Data Analytics

Methodology

- Dataset Description
- Data Analysis Process
 - Data Analysis Process Diagram
- Data Collection: Methods and Tools
- Data Pre-Processing: Methods, Tools and Techniques
 - Data Filtering, Transformation, and Combination
- Data Analytics: Modeling, Methods and Tools
- Dataset Limitations
- Data Analytics: Alternate Methods & Cost/Benefit Analysis

Results

- Meaningful Facts #01-05
 - Face Validity
 - Blindingly Obvious
 - Water Flows Downhill
 - Makes Sense
 - Doesn't Make Sense
 - Interesting but Irrelevant
 - Interesting and Important
 - Contradictory

Eureka!

Actionable Insights #01-03

Continue Doing More

Continue Doing Less

Do Differently

Start Doing New

Stop Doing Old

Do Not Ever Do

Valuable Outcomes #01-03

Short-Term

Mid-Term

Long-Term

Discussion

Answers to the Research Question(s)

Implications for Research

Implications for Practice

Limitations of the Study

Learning Reflections

Future Work

Conclusion

Acknowledgements

References

Links

Appendices