**University of Bahrain**

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| **College of Science** | **Department of Mathematics** |



**Assessing Bahrain Hospital Bed Capacity during the COVID-19 Pandemic**

This report is submitted in partial fulfilment of the requirements for the Research Methods course in pursuit of a master’s degree in Big Data Science and Analytics

**Prepared by**

**Aisha Khalid & Ahmed Khedr**

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**Supervised by**

**Dr. Sawsan Hilal**

Assistant Professor

University of Bahrain

**Kingdom of Bahrain**

**December 2020**

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Abstract

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‎1.2 Research Problem

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Chapter One

Introduction to the Study

Introduction

This section introduces the research and report.

Research Problem

This section describes the research problem addressed by this research.

Research Questions

This section describes the questions that this research aimed to answer.

Research Objectives

This section describes the objectives that this research aimed to achieve.

Research Significance

This section describes the importance of this research.

Research Setting

This section describes the context of how this research was conducted, including scope.

Definition of Terms

This section lists all the terms and their abbreviations used within the report.

Chapter Two

Theoretical Framework and Literature Review

‎‎1.1 Introduction

‎2.1 Literature Review

‎2.2 Theoretical Framework

‎2.3 Research Hypothesis

Chapter Two

Theoretical Framework and Literature Review

Literature Review

This section goes through similar research topics conducted and compares between previous relevant works related to this research.

Theoretical Framework

This section describes the how this research will be implemented and carried out.

Research Hypothesis

This section defines and describes the hypothesis assumed by the researchers.

Chapter Three

Methods and Procedures

‎3.1 Research Study’s Methodology

‎3.2 Research Study’s Population and Sample

‎3.3 Research Study’s Tools

‎3.4 Data Collection and Procedures

‎3.5 Statistical Approaches

Chapter Three

Methods and Procedures

Research Study’s Methodology

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Research Study’s Population and Sample

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Research Study’s Tools

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Data Collection and Procedures

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Statistical Approaches

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Chapter Four

Results, Discussion, Conclusion and Recommendations

‎4.1 Results

‎4.2 Discussion

‎4.3 Conclusion

‎4.4 Recommendations and Limitations

Chapter Four

Results, Discussion, Conclusion and Recommendations

Results

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Discussion

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Conclusion

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Recommendations and Limitations

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Limitations

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References