


National Institute of Business Management School of Computing and Engineering Course work Assesement Announcement Sheet					
Course Name		HNDSE			
Module Name		Statistics for Computing			
Batch		23.3 FT			
Learning Outcomes Covered (Mention according to the Module Descriptor)		01 to 08			
Assessment CW No.		04			
Assesement Mode		Individual Group		Group (if it is group mode only)	
				Group Size	Grouping Criteria
				04	Grouped by Lecturer
Assesement Type		Practical Test Report Software Presentation VIVA MCQ			
		If other specify			
Hand in Date Time		27. 05. 2024 12.30 pm			
Hand out Date Time		14. 06. 2024 11.59 pm			
Submission Details (Format and Location)		Report (word document)-Turnitin Submission – LMS Presentation			
Plagiarism Criteria		Allowed Similarity – 10% AI – 5%			
Assesement CW Description					

Objective: To develop a research report and conduct data analysis using R Studio to investigate research questions

Dataset: Secondary Data Set

Tasks:

1.Data Exploration and Preprocessing

- Select a real-world dataset from a reputable resource.
- Perform exploratory Data Analysis (EDA) to understand the data structure, statistical summaries, and visualizations.
- Handle missing values, outliers and perform data normalization or standardization as needed.

2.Identify the research questions and objectives

- Clearly state the research questions that will guide your study.
- State 04 different Objectives using the research questions.
- Identify the hypothesis for the relevant objectives when needed.

3. Methodology and Data Analysis plan

- Outline the statistical techniques (e.g., descriptive statistics, inferential statistics) that will be used to analyze the data under each objective.

4.Data Analysis

- Use an R Markdown file to complete the statistical analysis

Submission Guidelines:

1.Prepare a comprehensive research report that includes the followings

- Introduction-Background of the research, Objectives, Variable description
- Methodology- Hypothesis and Data Analysis plan
- Data Analysis- Interpret the results of the statistical analysis
- Discussion and Recommendation- Discuss the implications of the findings and Provide recommendations for improvements.
- References- Cite and reference all sources used in the assignment

NOTE- Copying and pasting content from sources without proper acknowledgment is considered plagiarism.

2.Prepare a presentation of a maximum of 10 minutes. (Summarize your work)

Grading Criteria:

1.Data analysis workflow (50%)

- Identifying the objectives
- Identifying the relevant Methods to achieve the objectives.
- Data Exploration and Preprocessing
- Statistical Analysis

2.Report (20%)

3.Presentation (30%)

- Summary
- Presentation skills
- Time Management (10 Min.)
- Q&A