**ANNEX B ASSESSMENT MARKING SCHEME**

**Project Report is marked for 100 marks and contributes 60% to the overall assessment component.**

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| **Student Name(s)** | **Student ID Number(s)** |
| WANG ZEYU | S1035147 U2781419 |
| TANG JINZE | S1035826 U2781417 |
| GUO SHENGPING | S1035958 U2781426 |
| MA YUYANG | S1035770 U2781414 |

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| **No:** | **Report Content** | **Marks Allocated** | **Marks Awarded 1)** | **Marks Awarded 2)** | **Marks Awarded 3)** | **Marks Awarded 4)** |
| **1** | Executive Summary | **5** | **4** | **4** | **4** | **4** |
| **2** | Introduction Background, Problem statement, Project Aim, Project Objectives and Big Data Application/Model Justification | **10** | **7** | **7** | **7** | **7** |
| **3** | Decisions and Alternatives | **5** | **3** | **3** | **3** | **3** |
| **4** | Data Collection and Analysis  Demonstrate/interpret | **15** | **11** | **11** | **11** | **11** |
| **5** | Model, Design, Implement classifiers and evaluate and visualize the Accuracy/ performance. | **10** | **8** | **8** | **8** | **7** |
| **6** | Results (tabulation, charts) and implications  Visualize the results of queries into the graphical representations and be able to interpret them. Take screenshot of your outcomes (e.g., tables and plots) together with the scripts/queries into the report. | **15** | **11** | **11** | **11** | **11** |
| **7** | Understand PySpark libraries with relevant critical discussion and other relevant analysis. | **10** | **8** | **8** | **8** | **7** |
| **8** | Demonstrate/interpret the PySpark analysis/coding. Model limitations, Recommendations and Conclusions | **10** | **8** | **8** | **8** | **7** |
| **9** | Find alternative solutions for high level languages and analytics approaches (use references), and express findings from big data analytics with the relevant theories | **10** | **7** | **7** | **7** | **7** |
| **10** | References (Harvard format) | **5** | **3** | **3** | **3** | **3** |
| **11** | Gantt Chart/Time Plan, Tabulated meeting log, individual team member’s contribution & lessons learnt. | **5** | **5** | **5** | **5** | **5** |
|  | **TOTAL** | **100** | **75** | **75** | **75** | **72** |
|  |  | **60%** | **45** | **45** | **45** | **43** |
| **Lecturer/Instructor's Feedback**  The work demonstrates a very good foundation, beginning with a focused and manageable topic that effectively addresses relevant aspects of the subject. Information is sourced appropriately, though broadening the range of perspectives and approaches would enhance the depth of the analysis. Critical elements of the methodology or theoretical framework are well-developed and described, with scope to address more subtle details for further improvement. The conversion of information into mathematical portrayals is a strong starting point, but refining accuracy and appropriateness would strengthen the overall analysis. Patterns or trends in data are clearly described and mostly accurate, though incorporating more quantitative detail could elevate the discussion. Computations and units are generally correct, requiring only minor adjustments for precision. The use of quantitative analysis provides a solid foundation for plausible conclusions, and adding nuance or qualifying judgments would further enhance their impact. | | | | | | |  |
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**ANNEX D GROUP PRESENTATION RUBRICS**

**Project Presentation is marked for 40 marks and contributes 40% to the overall assessment component.**

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| **Student Name(s)** | **Student ID Number(s)** |
| WANG ZEYU | S1035147  U2781419 |
| TANG JINZE | S1035826  U2781417 |
| GUO SHENGPING | S1035958  U2781426 |
| MA YUYANG | S1035770  U2781414 |

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| **DESCRIPTION** | **Presentation Marking Rubric (Group)** | | | | |
| **Student** | 7-8 | 5-6 | **3-4** | 1-2 |
| 1. **RESEARCH DATA COLLECTION**   Accurately and precisely describes the researched product and its market’ Cites a variety of sources (not all from web search) used to import data. Evidence of direct data collection by students were collected in an appropriate manner to answer the statistical/any related questions and raw data are included. | **1** |  | **6** |  |  |
| **2** |  | **6** |  |  |
| **3** |  | **6** |  |  |
| **4** |  | **6** |  |  |
| 1. **DATA DISPLAY AND DATA ANALYSIS**   Analysis of the data is accurate, thorough, and appropriate Conditions are checked correctly for any inference procedures. Comments on scatter plots of related variable pairs with correlations. Comments on other types of graphs of related variables (such as histogram, pie charts). Comments on summary descriptive statistics of measured variables. Includes appropriate, well labelled, accurate displays (graphs and tables) of the data. | **1** |  | **6** |  |  |
| **2** |  | **6** |  |  |
| **3** |  | **6** |  |  |
| **4** |  | **5** |  |  |
| 1. **RESULTS PRESENTATION**   Presentation is neat, creative, interesting, and visually appealing. Discusses how the data was obtained, citing sources. Discusses how the data was analysed, and why the methods used were chosen. Shows statistics on the data and explains their meaning / interpretation. Provides logical interpretation of graphs. Discusses findings and possible implications / use. | **1** |  | **6** |  |  |
| **2** |  | **6** |  |  |
| **3** |  | **6** |  |  |
| **4** |  | **6** |  |  |
| 1. **CONCLUSION AND REFLECTION ON PROCESS**   Conclusion includes a clear answer to the statistical question that is consistent with the data analysis and the method of data collection. Gives a good overall picture of the project—what went well and what didn’t—and includes ideas for further study Overall attractive, well-organized, well written project presentation. | **1** |  | **5** |  |  |
| **2** |  | **5** |  |  |
| **3** |  | **5** |  |  |
| **4** |  | **5** |  |  |
| 1. **PREPAREDNESS/PARTICIPATION/GROUP DYNAMICS**   All presenters knew the information, participated equally, and helped each other as needed. Extremely prepared and rehearsed. Discussion contributions and attentiveness, focused search, analysis, and summary were evident. | **1** |  | **6** |  |  |
| **2** |  | **6** |  |  |
| **3** |  | **6** |  |  |
| **4** |  | **5** |  |  |
| **TOTAL** | **1** | **29** | | | |
| **2** | **29** | | | |
| **3** | **29** | | | |
| **4** | **27** | | | |
| **GRAND TOTAL 60% + 40%** | **1** | **74** | | | |
| **2** | **74** | | | |
| **3** | **74** | | | |
|  | **4** | **70** | | | |
| **Lecturer’s Feedback**  Assumptions are clearly described with compelling rationale, establishing a strong foundation for the work. The implications of content knowledge, methods, and results are relevant and effectively presented, though further elaboration could enhance their significance. A meaningful research question is posed, but greater clarity in its articulation would strengthen the focus. The research methods are well-aligned with the project, and conclusions are logically drawn from the evidence. The presentation is well-organized; however, a more clearly defined argument for the research position or rationale would improve clarity and impact. By addressing these areas, the work has the potential to demonstrate even greater depth, sophistication, and overall quality. | | | | | |

**\*\*\*End of Coursework Brief\*\*\***