CMP9139 – Research Methods

Assessment Item 1

Learning Outcome	Criterion	Pass (≥ 50)	Merit (≥ 60)	Distinction (≥ 70)
[LO1] Identify an appropriate area for study contextualised by the award being studied; [LO2] Critically evaluate, select and apply research methods in the specialist area of study. [LO4] Evaluate legal, social, ethical and professional issues in the area of study.	Presentation of your report and video presentation, including identifying the research question, and providing the background, appropriateness and motivation for the chosen dataset and methods for data analysis. (30%)	You have identified a research question; evidence of hypothesis; your report provides an overview of the research methods investigated, giving the background, motivation, and legal/ethical appropriateness for the chosen dataset and methods for data analysis including use of inferential statistics. Results are presented with valid conclusions. Video presentation adequately summarise each of these aspects.	You have identified a research question and formulated a clear hypothesis; your report provides a good overview of the research methods investigated, giving the background, motivation, and legal/ethical appropriateness for the chosen dataset and methods for data analysis including use of inferential statistics. Results are well presented with valid conclusions relating to the research question investigated. Video presentation coherently summarises the research process, covering all the main components of the report.	Your research question and hypothesis have been presented clearly and fit nicely to the background and literature survey. Your report provides an excellent overview of the research methods investigated, giving the background, motivation, and legal/ethical appropriateness for the chosen dataset and methods for data analysis including use of inferential statistics. Results are well presented with valid and enlightening conclusions relating to the research question investigated. Video presentation demonstrates a coherent and persuasive exploration of the research process conducted and outcomes.
[LO1] Identify an appropriate area for study contextualised by the award being studied; [LO3] Demonstrate practical skills in the development of a research proposal and literature survey;	Within your report, produce a Literature Survey, which analyses critically the various methodologies appropriate for analysis of your chosen dataset. (20%)	The survey demonstrates a good coverage and relevance to the chosen dataset and research question, including possible use of inferential statistics in related work, with some critical analysis and use of references.	The survey demonstrates a very good coverage and relevance to the chosen dataset and research question, with good critical analysis and use of references. The review is well structured and gives good coverage of inferential and/or Bayesian statistics used in related work.	The survey demonstrates an excellent coverage and relevance to the chosen dataset and research question, with excellent critical analysis, use of references and depth of background research. The review is very clear and well structured, and critically appraises the application of inferential and/or Bayesian statistics in related work.
[LO2] Critically evaluate, select and apply research methods in the specialist area of study;	Within your report, describe the Methodology and Results obtained for the acquisition and analysis of the chosen dataset. (50%)	A methodology for data acquisition and analysis using inferential statistics is provided, with some evidence of justification. The results demonstrate the application of the methodology to the chosen dataset, with good discussion.	A convincing methodology for data acquisition and analysis using inferential statistics is provided, with clear evidence of justification. The results demonstrate the extensive application of the methodology to the chosen dataset, with very good discussion.	An elegant and convincing methodology for data acquisition and analysis using inferential statistics is provided, with excellent and clear evidence of justification. The results demonstrate the extensive and in-depth application of the methodology to the chosen dataset, with excellent discussion.
All learning outcomes are weighted as indicated				