Assessment 1 Information

Subject Code:	TECH3100
Subject Name:	Data Visualisation in R
Assessment Title:	Analysis and construction of graphics
Assessment Type:	Group and Individual
Word Count:	300 Words (+/-10%)
Weighting:	20 % (10% Group presentation, 10% Individual Report)
Total Marks:	20
Submission:	Group Exercise: in class during Week 5 (present & upload slides), then write individual report and R code, submit all via MyKBS
Due Date:	Individual Report & code by midnight Tuesday (AEST) Week 6

Your Task

In this assessment, you will: evaluate graphical displays of data; construct graphical displays of data using R software; and calculate summary statistics using R software. The first part is a Group Exercise (w5) and the second part is an Individual Report & code (w6).

Group Exercise

You will be given a Powerpoint file containing six graphical displays of data, and an Excel file containing the data for three of the graphs. Critique the six graphs and produce better graphs for the three for which you have the data, using R software. Prepare a Powerpoint presentation – all members of the group to speak. Upload the Powerpoint file to MyKBS.

Individual Report

You will be given three data sets: univariate categorical; univariate numerical; multivariate. For each data set present appropriate summary statistics and one graphic, drawn using R software, together with a caption in a Word document. Upload the Word document and a file containing the R code to MyKBS.

This assessment aims to achieve the following subject learning outcomes:

LO1	Investigate data visualisation techniques using R

Assessment Instructions

Assessment instructions for this assessment:

1. Group Exercise: **one member of each group submit the Powerpoint slide** deck at the end of the preparation time during the Week 5 class.
2. Case Study Report: Prepare a short, written, report with the summary statistics and graphs. Use appropriate headings, provide figure numbers with helpful captions for your graphs, and refer to the figure in the text.
   You must submit your report in a Word document.
3. R Code: Include the complete R code you used to perform the analysis. Ensure that the code is well-documented with comments.
   You must submit your R code in .r format extension. Any other formats will not be accepted.
4. Please refer to the assessment marking guide to assist you in completing all the assessment criteria.

Important Study Information

Academic Integrity and Conduct Policy
https://www.kbs.edu.au/admissions/forms-and-policies

KBS values academic integrity. All students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Academic Integrity and Conduct Policy.

Please read the policy to learn the answers to these questions:

- What is academic integrity and misconduct?
- What are the penalties for academic misconduct?
- How can I appeal my grade?

Late submission of assignments (within the Assessment Policy)
https://www.kbs.edu.au/admissions/forms-and-policies

Number of days late	Penalty
1* - 9 days	5% per day for each calendar day late deducted from the total marks available.
10 - 14 days	50% deducted from the total marks available.
After 14 days	Assignments submitted more than 14 calendar days after the due date will not be accepted and the student will receive a mark of zero for the assignment(s) unless special consideration, reasonable adjustment or an alternative factor related to compassionate circumstances is approved and applied.

*Assignments submitted at any stage within the first 24 hours after the deadline will be considered to be one day late and therefore subject to the associated penalty.

Length Limits for Assessments

Penalties may be applied for assessment submissions that exceed prescribed limits.

Study Assistance

Students may seek study assistance from their local Academic Learning Advisor or refer to the resources on the MyKBS Academic Success Centre page. Further details can be accessed at https://elearning.kbs.edu.au/course/view.php?id=1481

Generative AI Traffic Lights

Please see the level of Generative AI that this assessment at Level 2 has been designed to accept:

Traffic Light	Amount of Generative Artificial Intelligence (GenerativeAI) usage	Evidence Required	This assessment (✓)
Level 1	**Prohibited:** **No GenerativeAI allowed** This assessment showcases your individual knowledge, skills and/or personal experiences in the absence of Generative AI support.	The use of generative AI is **prohibited** for this assessment and may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment.	
Level 2	**Optional:** **You may use GenerativeAI for research and content generation that is appropriately referenced.** *See assessment instructions for details* This assessment allows you to engage with Generative AI as a means of expanding your understanding, creativity, and idea generation in the research phase of your assessment and to produce content that enhances your assessment. I.e., images. **You do not have to use it.**	The use of GenAI is **optional** for this assessment. Your collaboration with GenerativeAI **must be clearly referenced** just as you would reference any other resource type used. **Click on the link below to learn how to reference GenerativeAI.** **https://library.kaplan.edu.au/referencing-other-sources/referencing-other-sources-generative-ai** In addition, you **must** include an appendix that documents your GenerativeAI collaboration including all prompts and responses used for the assessment. Unapproved use of generative AI as per assessment details during the content generation parts of your assessment may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment. Ensure you follow the specific assessment instructions in the section above.	✓
Level 3	**Compulsory:** **You must use GenerativeAI to complete your assessment** *See assessment instruction for details* This assessment fully integrates Generative AI, allowing you to harness the technology's full potential in collaboration with your own expertise. Always check your assessment instructions carefully as there may still be limitations on what constitutes acceptable use, and these may be specific to each assessment.	You will be **taught how** to use generative AI and assessed on its use. Your collaboration with GenerativeAI **must be clearly referenced** just as you would reference any other resource type used. **Click on the link below to learn how to reference GenerativeAI.** **https://library.kaplan.edu.au/referencing-other-sources/referencing-other-sources-generative-ai** In addition, you **must** include an appendix that documents your GenerativeAI collaboration including all prompts and responses used for the assessment. Unapproved use of generative AI as per assessment details during the content generation parts of your assessment may potentially result in penalties for academic misconduct, including but not limited to a mark of zero for the assessment. Ensure you follow the specific assessment instructions in the section above.	

Assessment Marking Guide

Marking Criteria _____| 20 marks	F (Fail) 0 – 49%	P (Pass) 50 – 64%	C (Credit) 65 – 74%	D (Distinction) 75 – 84%	HD (High Distinction) 85 – 100%
Group Exercise _____|10 marks	The group has not engaged with the exercise.	Some attempt at a critique of the 6 graphs. One improved version using R presented. Reasonable presentation.	Critique of the 6 graphs and at least two improved versions using R presented. Good presentation.	Insightful critique of the 6 graphs and all 3 improved versions using R are presented. Good presentation.	Insightful critique of the 6 graphs and all 3 improved versions using R are presented. Impressive presentation.
Individual Exercise _____| 10 marks	No attempt for one or more data sets. Poor presentation. No R code.	For the 3 data sets: limited summary statistics; poor choice of one or more graphics; no captions; R code.	For the 3 data sets: limited summary statistics; appropriate graphics with caption; R code.	For the 3 data sets: appropriate summary statistics; appropriate graphics with helpful caption; short report refers to the figures; R code.	For the 3 data sets: appropriate summary statistics; appropriate graphics with helpful caption; nicely written short report refers to figures; R code with helpful comments.
Feedback and grades will be released via MyKBS					

Kaplan Business School Assessment Outline