

Assignment: Data Visualisation

Option one:

Using the National Electronic Injury Surveillance Survey (NEISS) data, prepare a presentation to the board of your local hospital. The presentation should outline your findings from your analysis of the data and make a recommendation to the board based on these findings. The presentation must contain at least four visualisations, generated in Python or R, from the data that demonstrate your investigation and support your recommendation.

Additionally, prepare a dashboard to be used by the board to monitor the key indicators that you identified and assess the effectiveness of your recommendation.

Option two:

Using the mall customer segmentation data, prepare a presentation to the management of your shopping centre. The presentation should outline the key findings from your analysis and make a recommendation to the management based on your findings. The presentation must contain at least four visualisations, generated in Python or R, from the data that demonstrate your investigation and support your recommendation.

Additionally, prepare a dashboard to be used by centre management to monitor the key indicators that you identified and assess the effectiveness of your recommendation.

Each group will be given ten minutes to present, followed by five minutes of questions. You must submit your presentation and dashboard as part of your assessment.

Marking criteria:

You will be assessed on the effectiveness of the visualisations that you have created, including selecting the appropriate graph types for your data, selection of relevant indicators and use of variables such as size and colour in order to make your case.