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*School of Computing*

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| Program of Study | M.Sc. in Computing (Part-time) |
| Programme Code | MCM |
| Project Title | Data Visualisation Assignment |
| Module code | CA682I Data Management and Visualisation |
| Lecturer | Dr Suzanne Little |
| Project Due Date | 6th December 2022 |

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| --- |
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Name: *Sakthignana Sundaram Somaskandan* Date: *6th December 2022*

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# Abstract

Max 200 words

What is the question you are answering or the story you are trying to tell?

What is the conclusion that you reached?

# Data Collection

½ page

Where/how did you retrieve your data? Provide a URL if available online.

Describe the data – size (GB or attributes), number of rows, attributes, data types present

What aspects of big data (volume, variety, velocity) are present in your dataset(s)?

# Data Exploration, Processing, Cleaning and/or Integration

½ pages

What did you need to do to prepare the dataset(s) to create your graph/chart?

How did you choose the attributes and data subset to visualise?

# Visualisation

1-2 pages

Screenshot or image of visualisation.

Explain your choice of chart or graph type – what relationship or data type are you showing?

Design choices – justify your use of colour, shapes, marks, layout, structure, font, labels referring to books or articles as necessary.

Comment on any interactivity or animation and how it helps answer your question.

Give a list of tools or libraries used.

# Conclusion

½ - 1 page

Critically analyse the outcome of your visualisation with respect to your question or story.

Were there aspects that you think could be improved upon?

Were there effects or functionality that you were technically unable to achieve that would improve your visualisation?

# References

Include any citation of the dataset.

Include links to any tutorial or example that contributed significantly to your work.

Include any books, articles or web resources supporting your design choices.