Brief Lit Review and Research Proposal Outline

Topic: Data Visualisation for Economic Crisis Prediction

Introduction

Overview of the topic that will define the boundaries of the review: a broad spectrum of financial crises will be covered (real estate, recession, credit crunch) with the time frame being post 2000s. The focus of the review will be to analyse data visualisation graphs, and dashboards on certain measures to determine if there are specific patterns before an economic crisis occurs. The audience will be economists and advisors to the government.

Relevant Literature

- Journals (peer reviewed and sourced from IEEE Xplore, JSTOR, Google scholar
- articles and books

Organisation of literature based on theme

Outlining key economic crises and seeing how data visualisation can help understand them (e.g.- a journal showing a plot of approved credit applications showing an increase of approved applications before the credit crunch crisis).

- Specifying the data visualisation techniques used for economic modelling and how effective they are at deciphering and analysis data and patterns.
- Case studies on instances where data visualisation impacted decision making.

Evaluate and summarise the literature

- Outline any key findings

- Outline the strengths and weaknesses of the different approaches taken

- Identify gaps in current visualisations and current research. Use this to find potential areas for further study

Discussion

Determine how there can be further integration of data visualisation for economic forecasting

Conclusion

Outline the importance of data visualisation in economic crisis prediction and how it can impact the future. Based on the gaps found in this literature review, where can we focus and find a topic that a research proposal can be based on.