

Decision Making Drift-Diffusion Models

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November 24, 2025

Abstract

Computational models of human decision making and response times.

1 Introduction

This report presents computational analysis of decision making.

2 Mathematical Framework

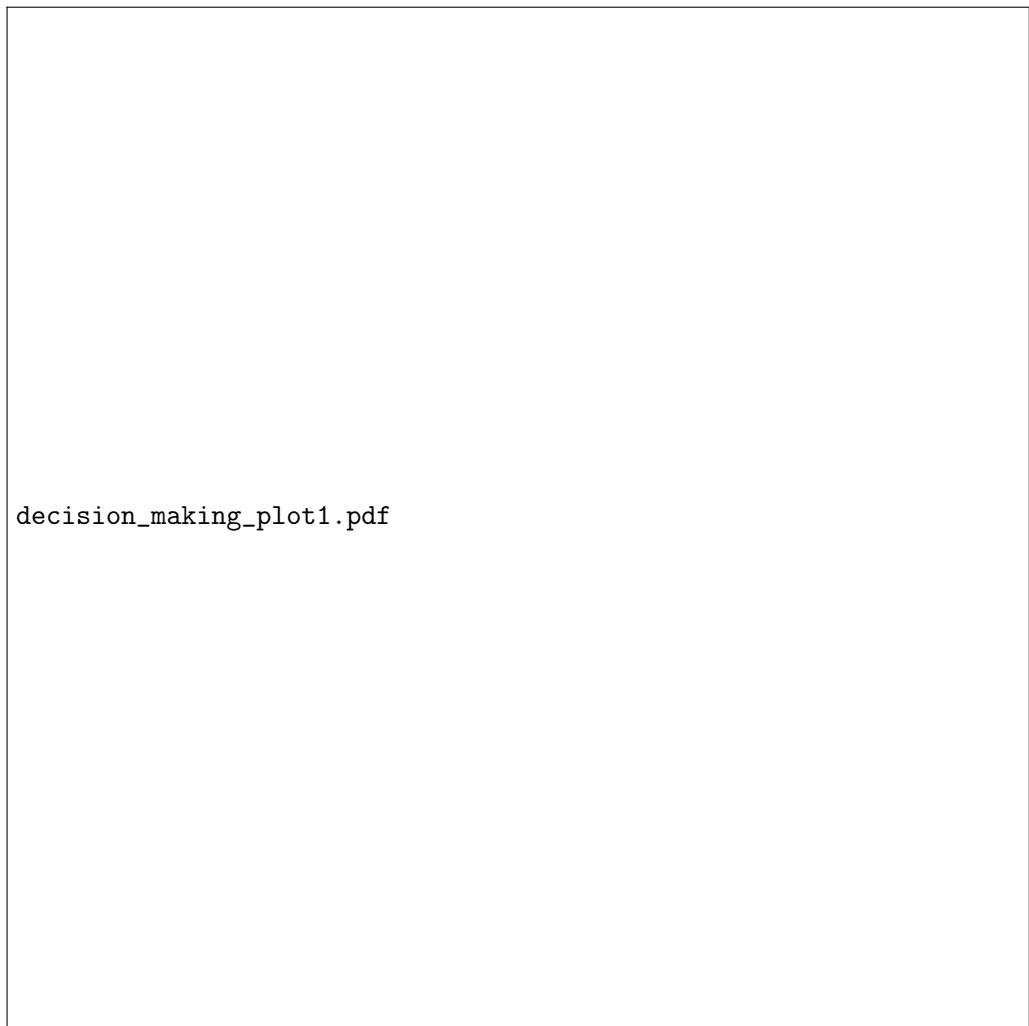


Figure 1: Primary analysis results.

3 Secondary Analysis

decision_making_plot2.pdf

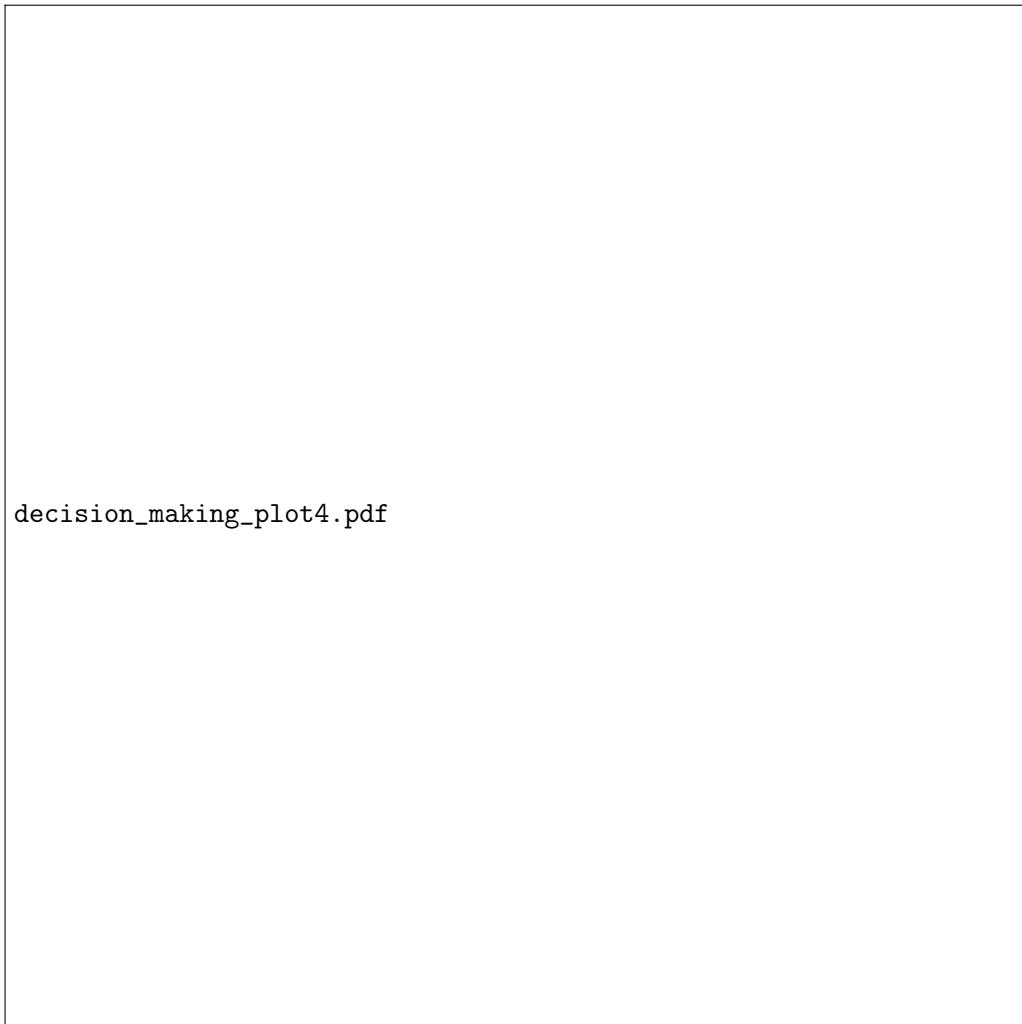
Figure 2: Secondary analysis comparison.

4 Parameter Study



Figure 3: Parameter sensitivity analysis.

5 2D Visualization



decision_making_plot4.pdf

Figure 4: Two-dimensional field visualization.

6 Distribution Analysis



decision_making_plot5.pdf

Figure 5: Statistical distribution analysis.

7 Time Series

`decision_making_plot6.pdf`

Figure 6: Time series visualization.

8 Results Summary

9 Conclusions

This analysis demonstrates the computational approach to decision making.