

# Fisheries Models

## Stock-Recruitment

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### **Abstract**

Fish population dynamics and management.

## 1 Introduction

This report presents computational analysis of fisheries models.

## 2 Mathematical Framework

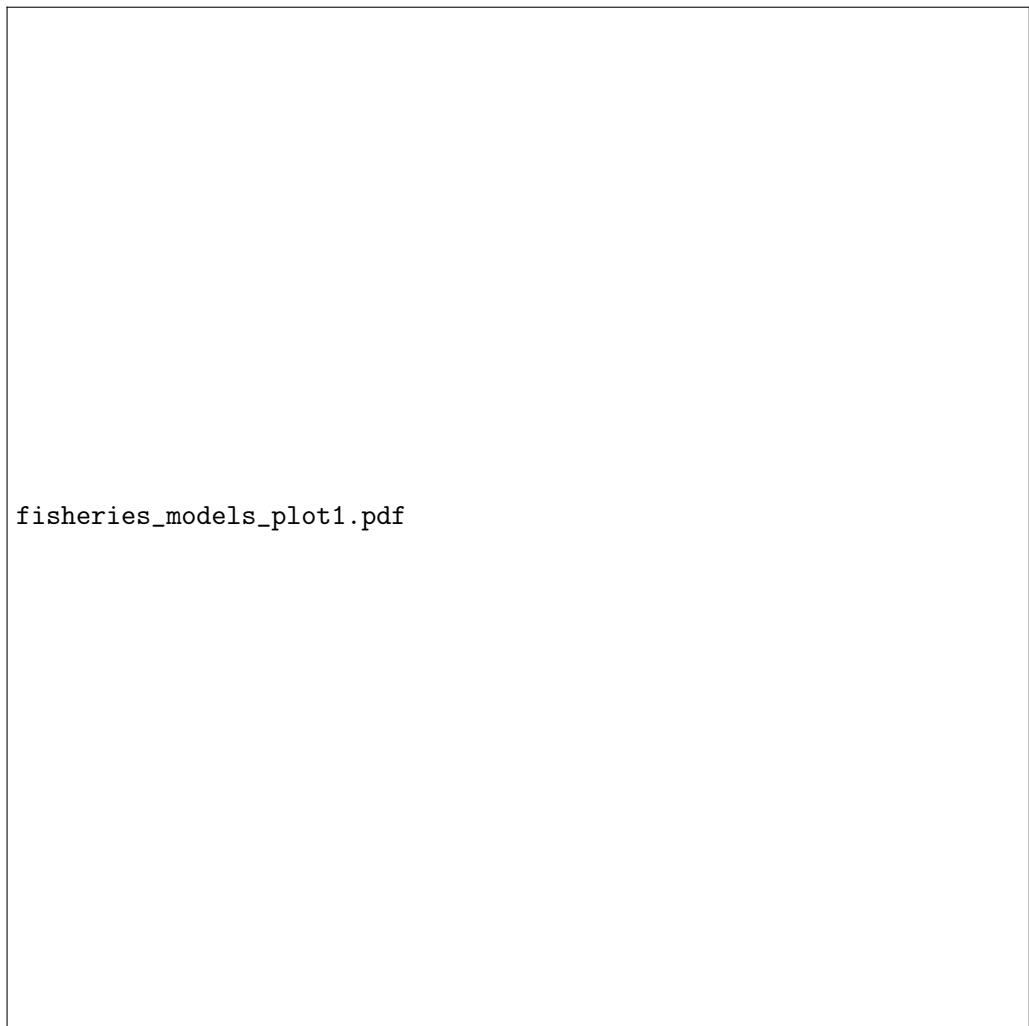


Figure 1: Primary analysis results.

### 3 Secondary Analysis

`fisheries_models_plot2.pdf`

Figure 2: Secondary analysis comparison.

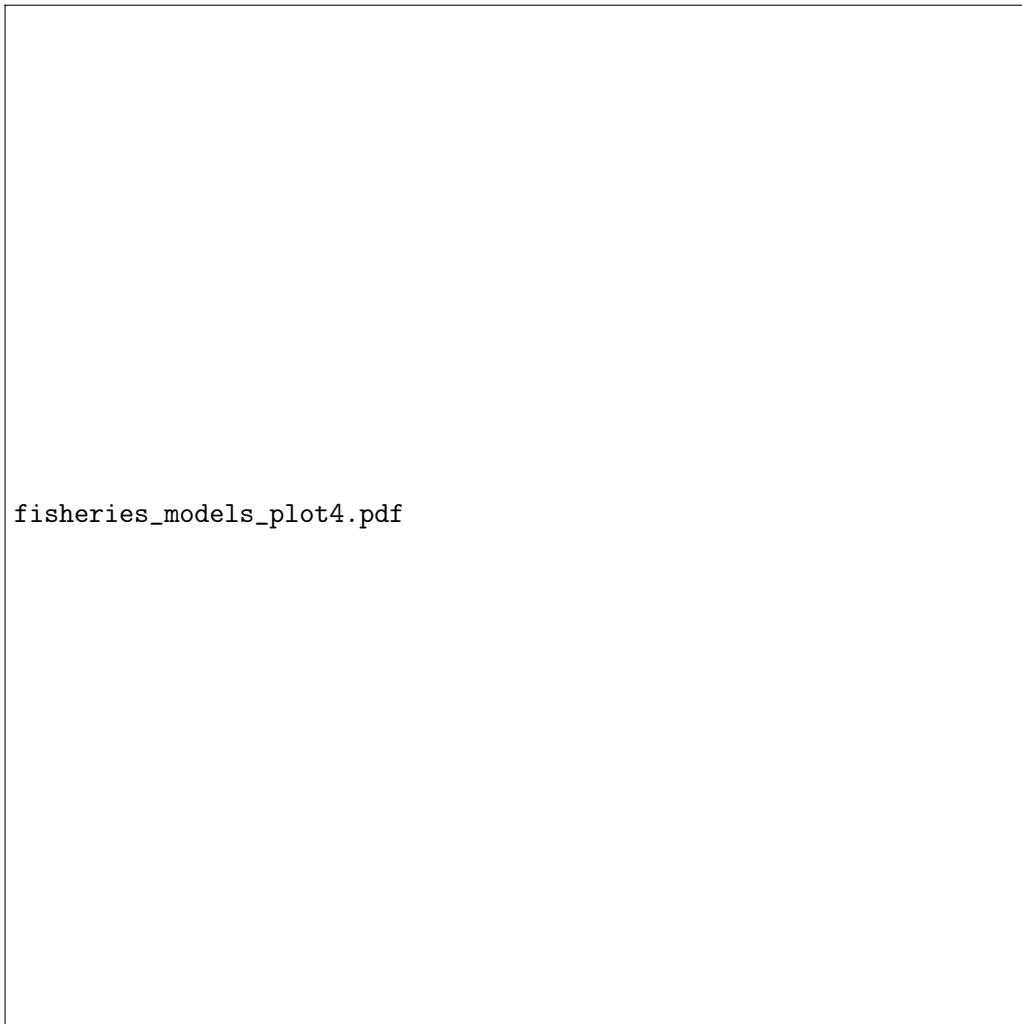
## 4 Parameter Study



`fisheries_models_plot3.pdf`

Figure 3: Parameter sensitivity analysis.

## 5 2D Visualization



`fisheries_models_plot4.pdf`

Figure 4: Two-dimensional field visualization.

## 6 Distribution Analysis

`fisheries_models_plot5.pdf`

Figure 5: Statistical distribution analysis.

## 7 Time Series



Figure 6: Time series visualization.

## 8 Results Summary

## 9 Conclusions

This analysis demonstrates the computational approach to fisheries models.