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Executive Summary

Let's summarize the key points of this report.

1 Introduction

Standardized catch-per-unit-effort (CPUE) indices provide essential data for fisheries stock assessments by tracking relative abundance trends over time (Maunder & Punt, 2004). blah blah blah.

1.1 Study Objectives

Let's do something interesting here. blah blah blah. see xxxxxx

2 Methods

2.1 Data and Study Area

3 Results

3.1 Model Convergence

Please converge!

4 Discussion

4.1 Model Performance and Selection

Model performance was evaluated using Akaike's Information Criterion (AIC) and Bayesian Information Criterion (BIC). The selected model demonstrated superior fit compared to alternative specifications, as indicated by lower AIC and BIC values. Residual diagnostics confirmed the adequacy of the model, with no significant patterns observed in residual plots.

5 Conclusions

Let's wrap things up here.

Acknowledgments

We thank everyone who contributed to this work.

References

Maunder, M. N., & Punt, A. E. (2004). Standardizing catch and effort data: A review of recent approaches. *Fisheries Research*, *70*(2-3), 141–159. https://doi.org/10.1016/j.fishres.2004.08.002

Table 1: Comparison of different models..

Model	Description	AIC	Δ AIC	Parameters
M1	Baseline Tweedie (SC17 covariates)	398784.7	3832.1	89
M2	M1 + Blue shark catch proportion	394952.6	0.0	90
M3	M1 + Sea surface temperature	398741.9	3789.3	92

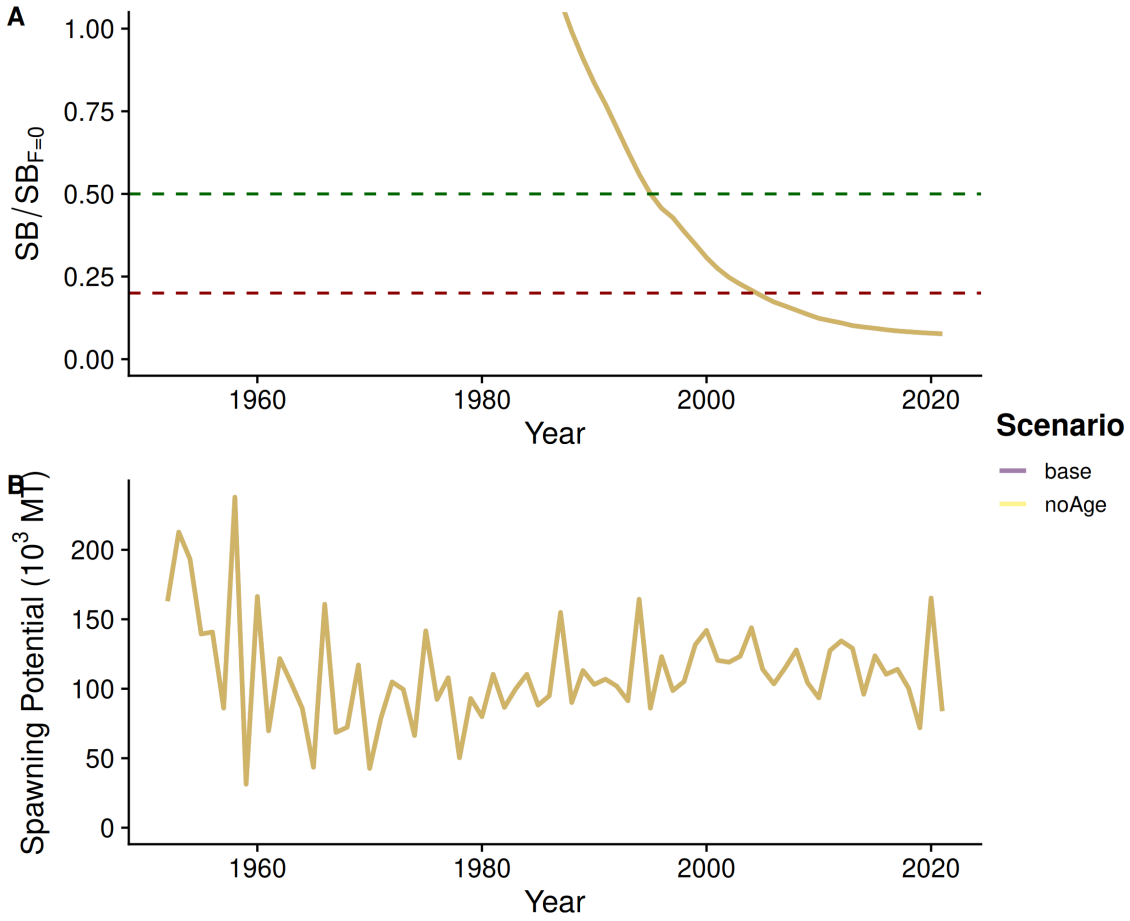

Figure 1: Depltion plots…