

# Out-of-sample Performance of Models

Individual elections (dots) and overall average (red diamonds)

Model

no\_adjustment

piecewise\_proportional

piecewise\_uniform

proportional\_single\_coef

proportional\_squared

pure\_uniform

pure\_proportional

uniform\_single\_coef

proportional\_and\_uniform

0.65

0.70

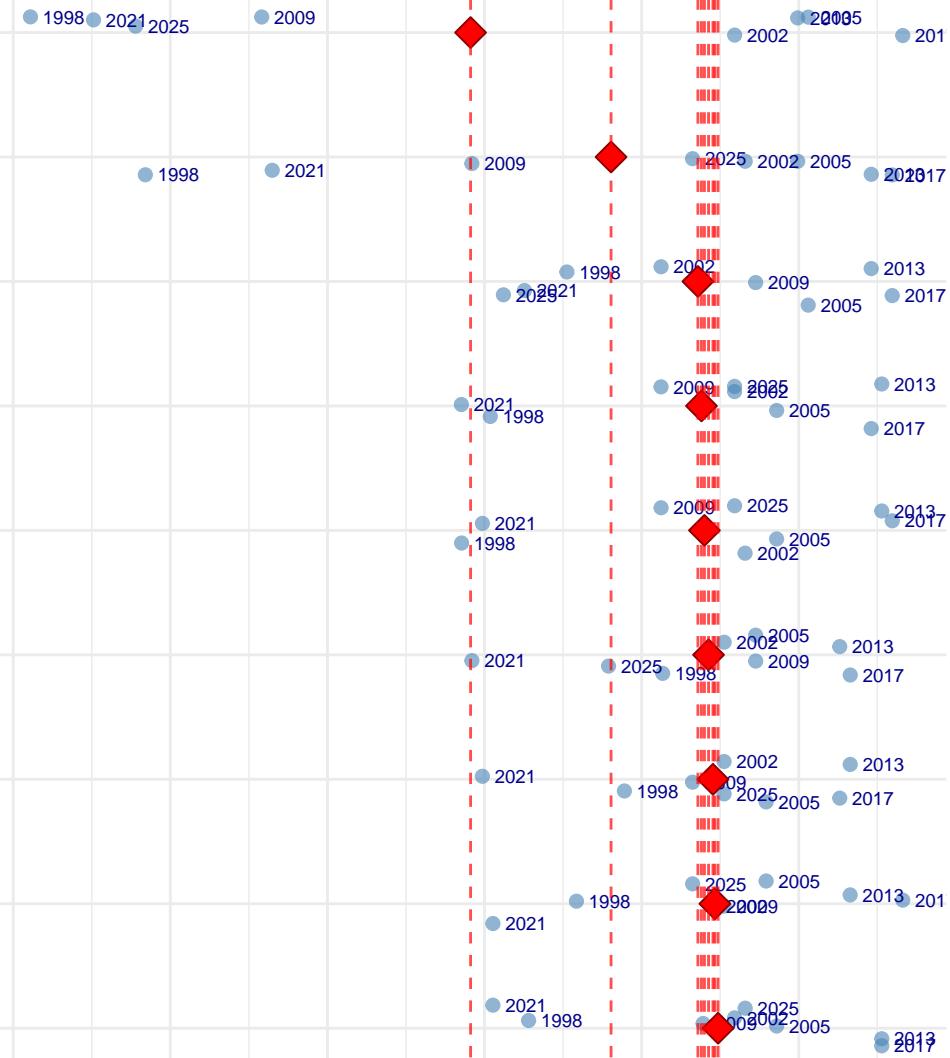
0.75

0.80

0.85

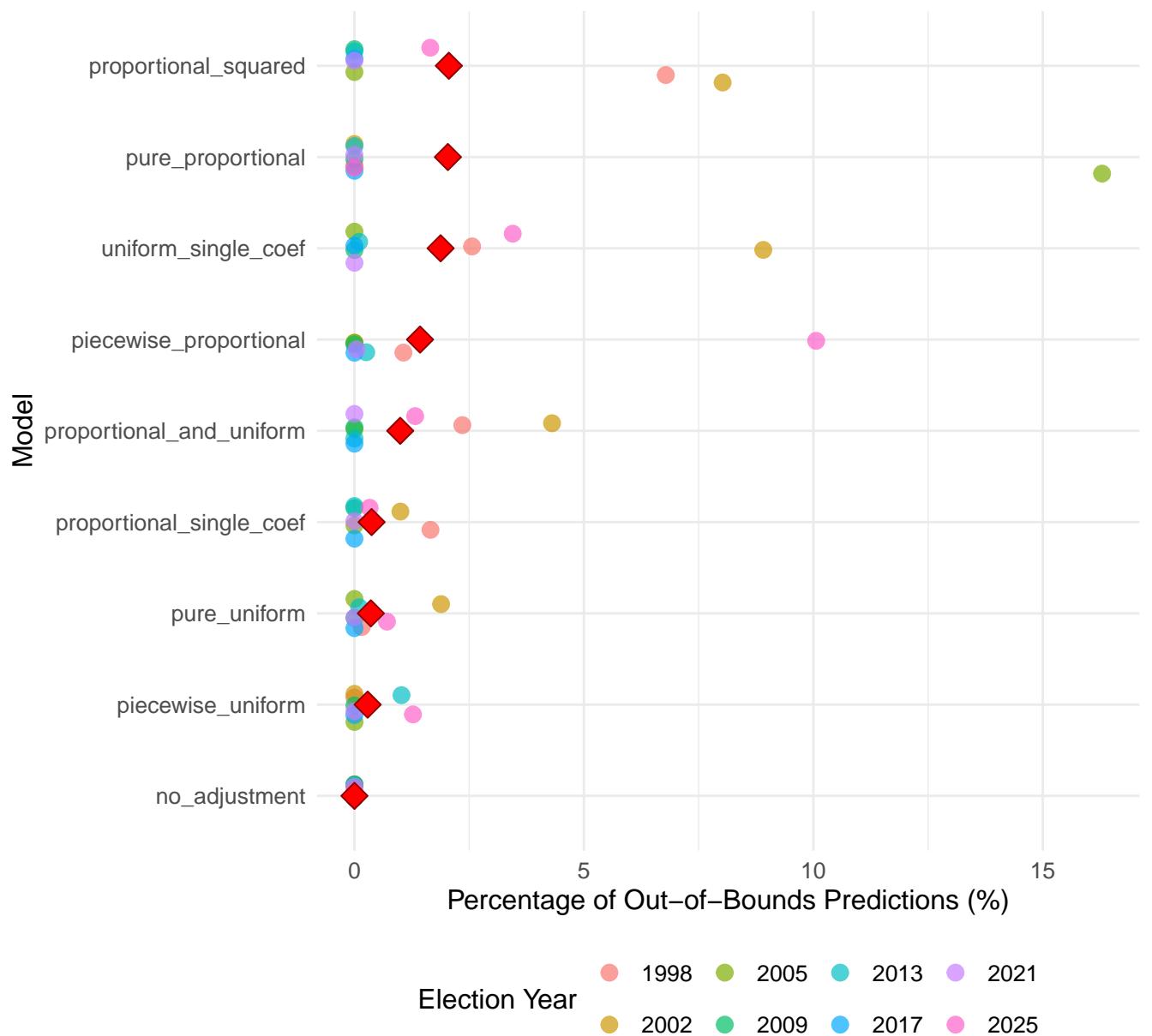
0.90

Accuracy (Winner Prediction)



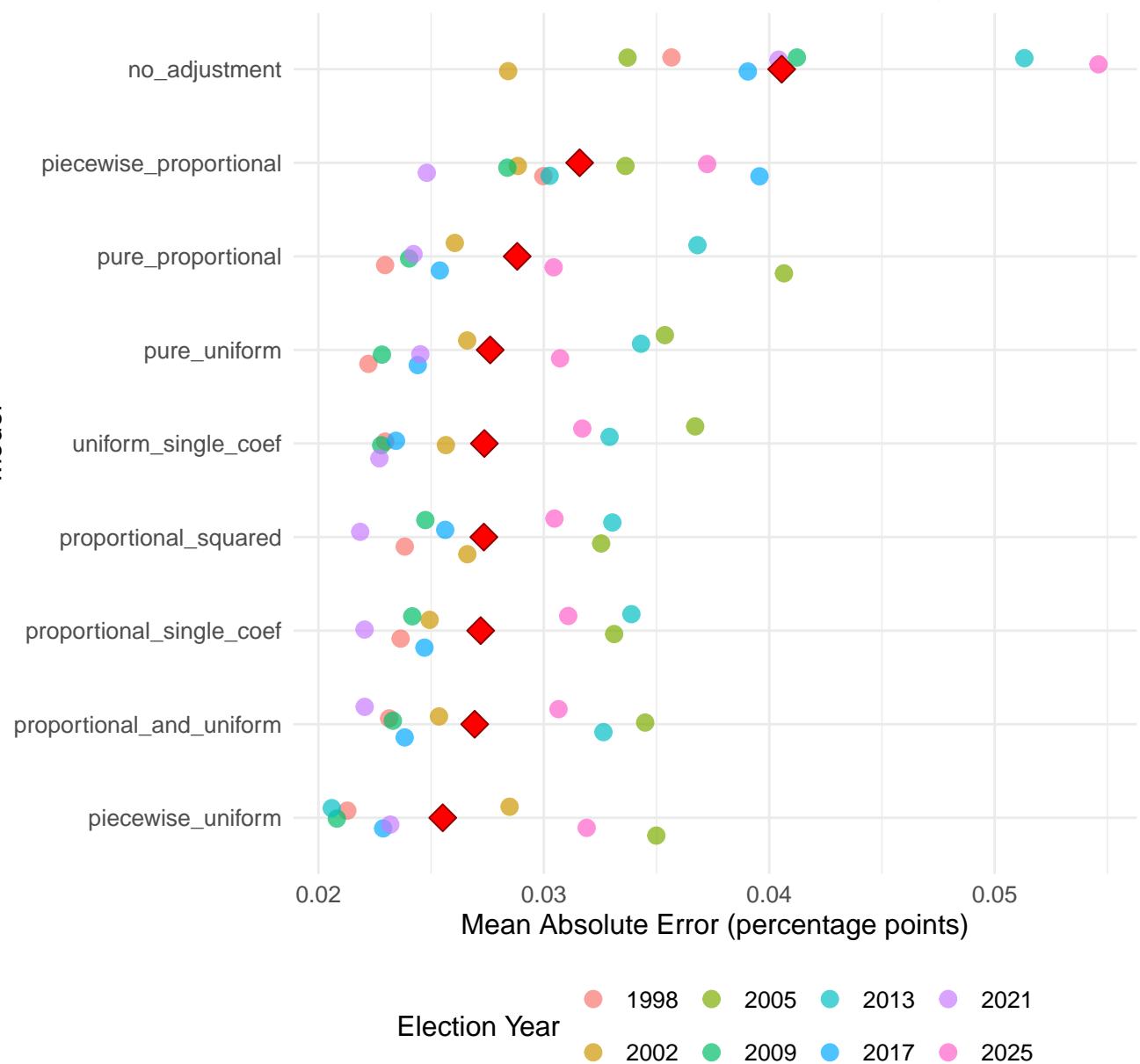
## Out-of-Bounds Predictions (0–100% range)

Individual elections (colored dots) and overall average (red diamonds)



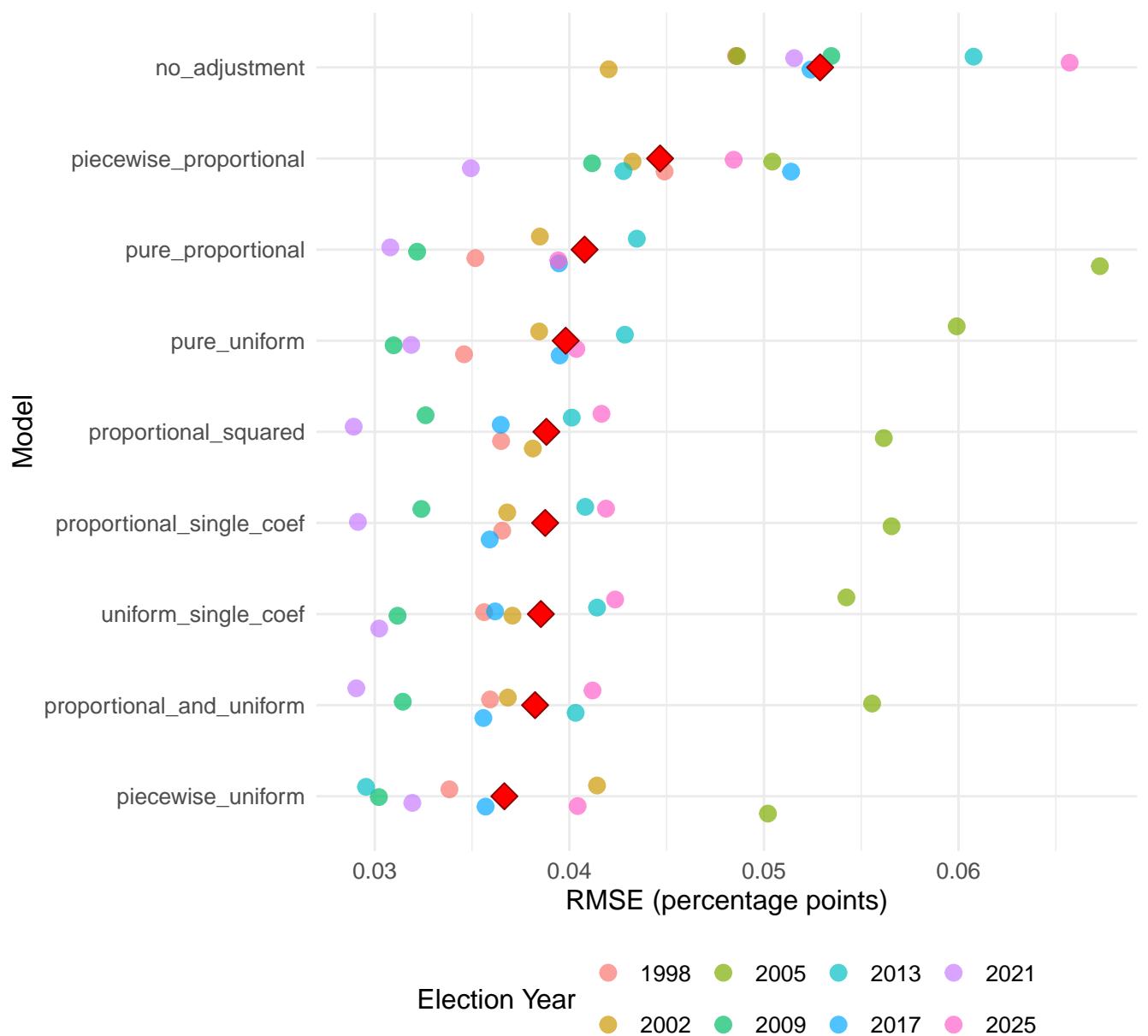
# Mean Absolute Error for All Observations

Individual elections (colored dots) and overall average (red diamonds)



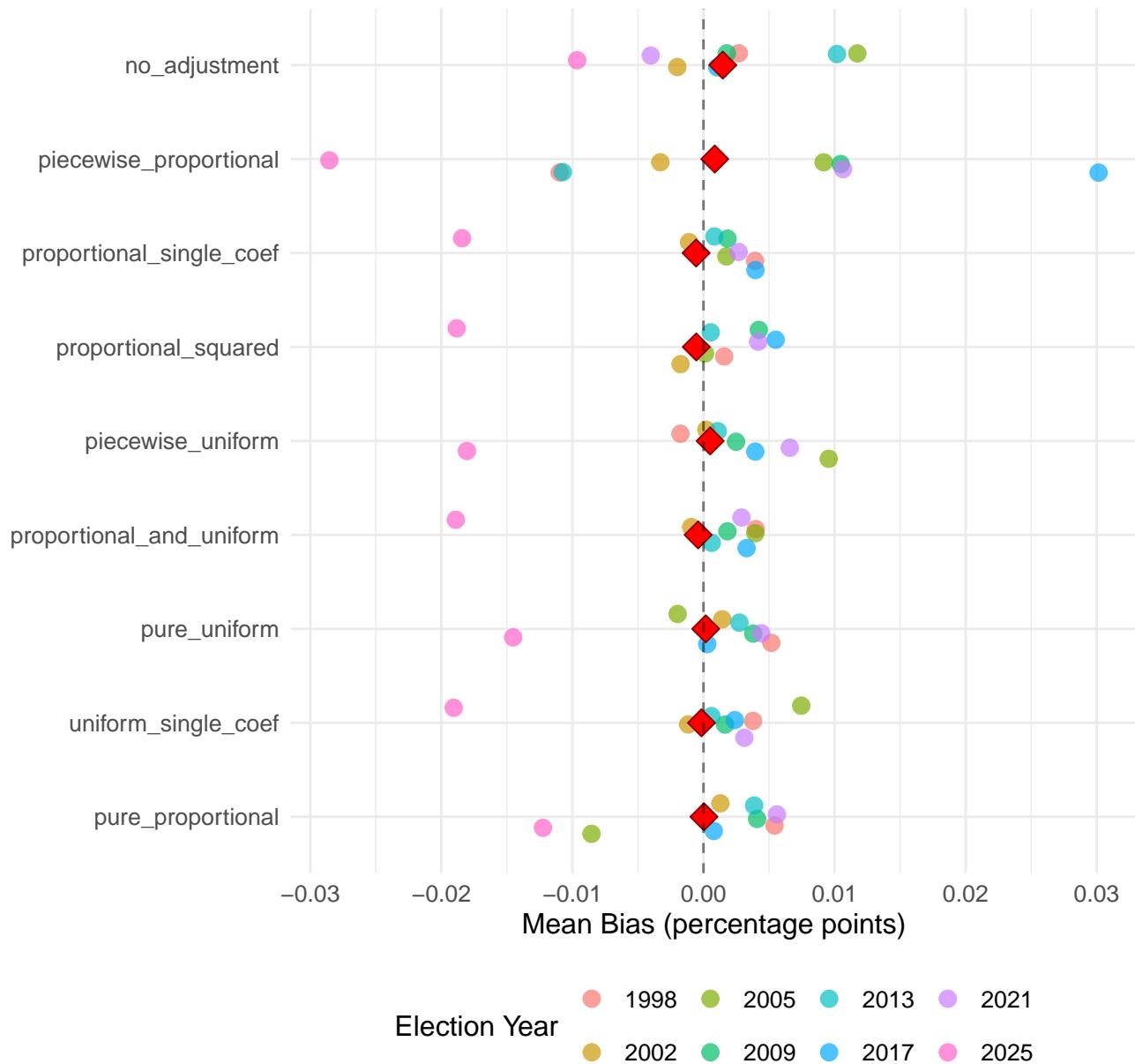
# Root Mean Square Error for All Observations

Individual elections (colored dots) and overall average (red diamonds)



## Prediction Bias for All Observations

Individual elections (colored dots) and overall average (red diamonds)



# Comprehensive Model Performance Heatmap

All metrics standardized to 0–1 scale (higher is better) – Models sorted by In-Bounds Predictions

