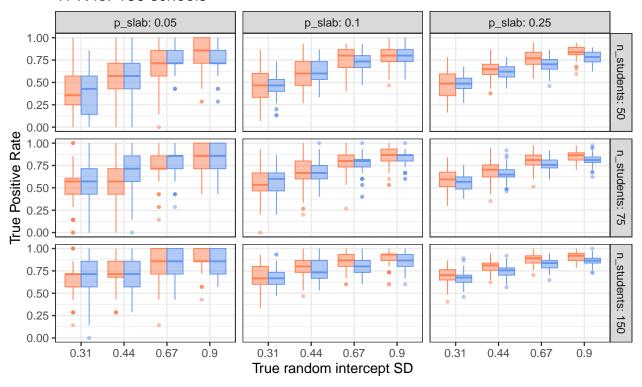
# SS-MELSM vs Two-stage HLM

## Study 1: Main simulation

#### Marwin Carmo

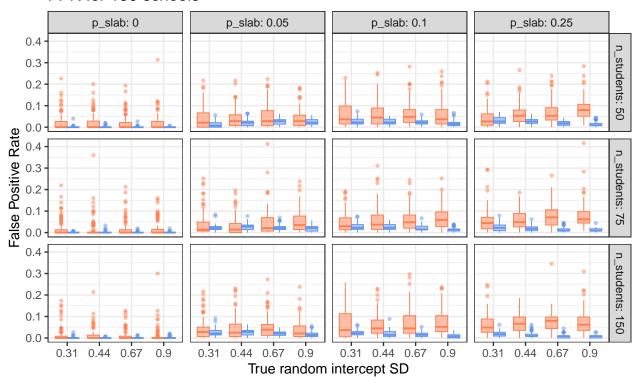
# True Positive Rate (Sensitivity)

### TPR for 150 schools



# False Positive Rate (Specificity)

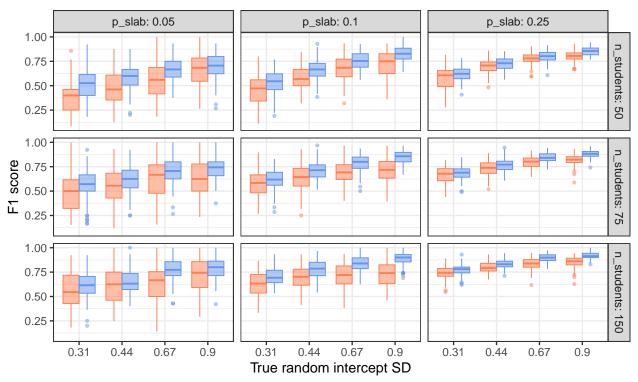
### FPR for 150 schools



model 🖨 Two-stage HLM 🖨 SS-MELSM

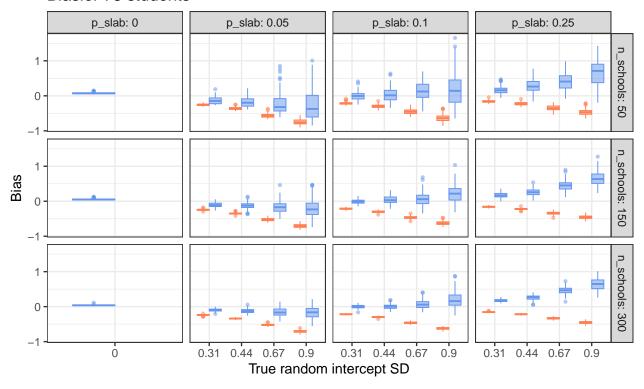
# F1 score

# F1 score for 150 schools



## Bias

### Biasfor 75 students



## $\mathbf{RMSE}$

### RMSE for 75 students

