# Simulation Summary

#### Winnie Wing-Yee Tse

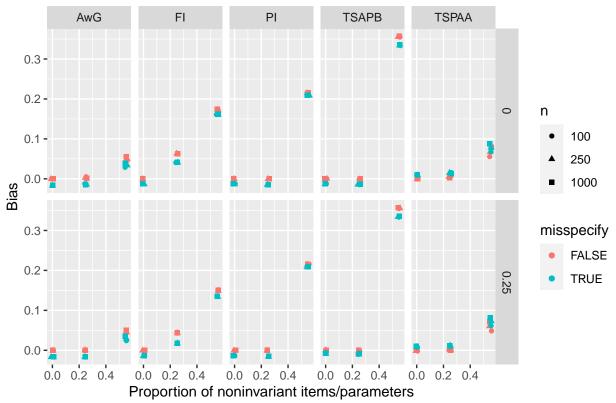
#### 2022-09-07

#### Contents

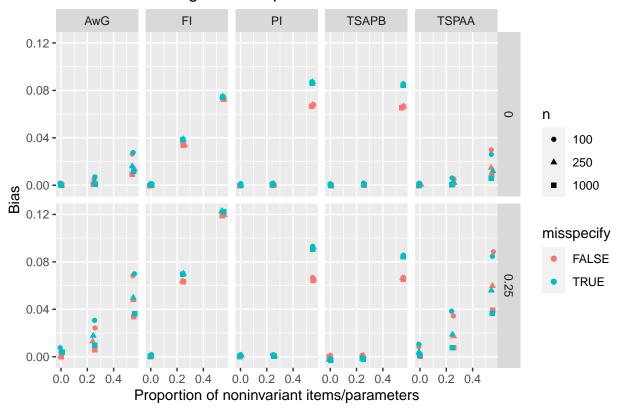
```
library(tidyverse)
## -- Attaching packages ----- tidyverse 1.3.1 --
## v ggplot2 3.3.6
             v purrr
                    0.3.4
## v tibble 3.1.8 v dplyr 1.0.9
## v tidyr 1.2.0 v stringr 1.4.0
## v readr
      2.1.2
            v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
simres <- readRDS("simresults.rds")</pre>
simres_long <- simres %>%
 tibble::rowid_to_column("cond") %>%
 pivot_longer(
  bias.est_PI_meani:coverage.ci_TSAPB_vars,
  names_to = c("criteria", "method", "stat", "par"),
  values_to = "value",
  names_pattern = "(.*)_(.*)_(.*)(.)"
```

#### Bias

### Bias for estimating mean intercept

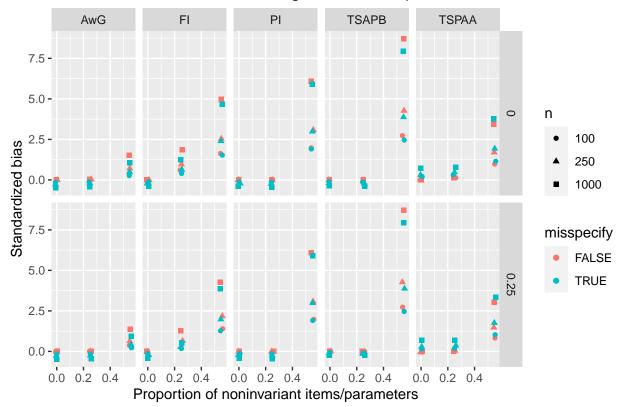


### Bias for estimating mean slope

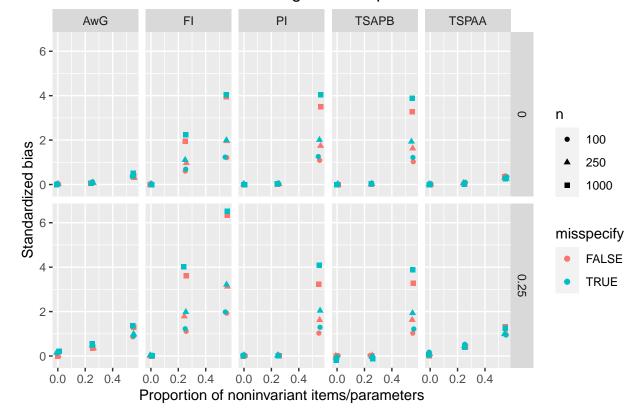


#### Standardized Bias

## Standardized Bias for estimating mean intercept

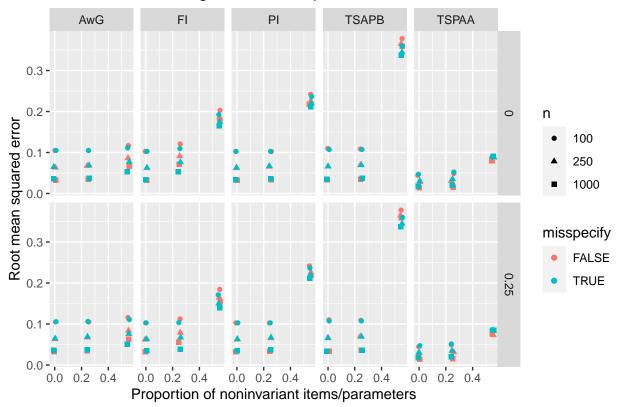


### Standardized Bias for estimating mean slope

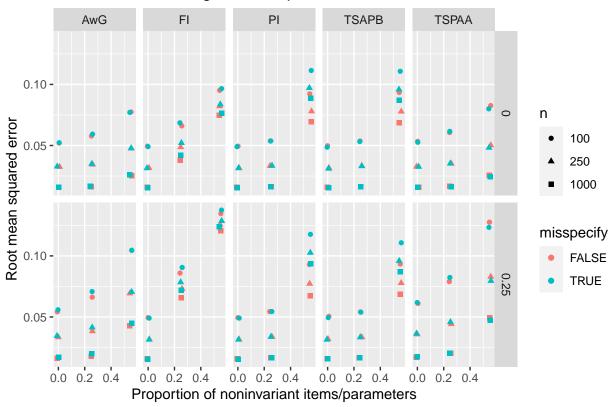


#### **RMSE**

## RMSE for estimating mean intercept

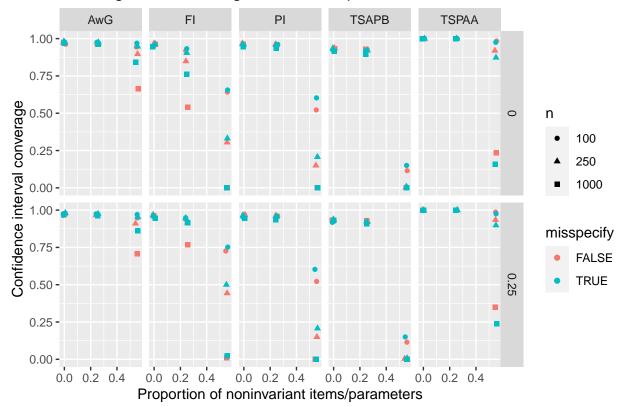


## RMSE for estimating mean slope



#### Confidence Interval Converge

## Coverage for estimating mean intercept



# Coverage for estimating mean slope

