2023 NCME Virtual Training:
Tools For Analyzing NAEP and TIMSS Data in R Using Latent Regression
Agenda

3/28/2023
1:00 pm to 5:00 pm

Instructors: Emmanuel Sikali, Ting Zhang, Paul Bailey, Sinan Yavuz, Blue Webb

1:00- 1:10   Overview of the workshop – Emmanuel

1:10 - 1:40   Weighting and variance estimation – Ting

1:40 - 1:45   5 mins break

1:45 - 2:15   Plausible values and direct estimation – Ting

2:15 – 2:25   Introduction to the packages EdSurvey and Dire – Sinan

2:25 - 2:30   5 mins break

2:30 – 3:00   Data process and manipulation – Blue

3:00 – 3:15   Descriptive statistics (e.g., summary2, edsurveyTable) – Sinan

3:15 - 3:20   5 mins break

3:20 - 4:30   Linear regression and Direct estimation (TIMSS 2019 as example data)

- lm.sdf - Blue

- mml.sdf – Paul

- 5 mins break

- direct estimation with process data - Paul

- draw Plausible Values (PVs) – Blue

4:30 – 4:50   Hands-on practice and Q&A

4:50 – 5:00   Closing information and evaluations – Emmanuel