

Detailed Schedule

Time	Topic
Monday	
10:00 – 11:30	Overview of measurement theory / Dr. H. Gary Cook
11:30 – 11:45	<i>Coffee Break</i>
11:45 – 13:15	IRT scaling methodologies / Dr. H. Gary Cook
13:15 – 14:15	<i>Lunch</i>
14:15 – 15:45	Vertical scaling purposes and approaches / Dr. H. Gary Cook
15:45 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Vertical scaling hands-on session 1 / Dr. H. Gary Cook
Tuesday	
10:00 – 11:30	Vertical scaling hands-on session 2 / Dr. H. Gary Cook
11:30 – 11:45	<i>Coffee Break</i>
11:45 – 13:15	Summary of vertical scaling sessions / Dr. H. Gary Cook
13:15 – 14:15	<i>Lunch</i>
14:15 – 15:45	Introduction to growth model applications in K-12 education / Dr. H. Gary Cook
15:45 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Three growth model approaches: mixed linear models, growth percentiles, value-tables / Dr. H. Gary Cook
Wednesday	
10:00 – 11:30	Growth models hands-on session / Dr. H. Gary Cook
11:30 – 11:45	<i>Coffee Break</i>
11:45 – 13:15	Summary of growth model / Dr. H. Gary Cook
13:15 – 14:15	<i>Lunch</i>
14:15 – 15:45	Overview of the Study of Change / Dr. Theodore Walls
15:45 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Difference and Change Score Approaches / Dr. Theodore Walls
19:00 – 21:00	Summer School Sight-Seeing Tour
Thursday	
10:00 – 11:30	Data Simulation Exercise on Trend Coefficients / Dr. Theodore Walls
11:30 – 11:45	<i>Coffee Break</i>
11:45 – 13:15	Confirmatory Factor Analysis / Dr. Theodore Walls
13:15 – 14:15	<i>Lunch</i>
14:15 – 15:45	Latent Growth Models (Traditional Structural Equations Approach) / Dr. Theodore Walls
15:45 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Dynamic Factor Models / Dr. Theodore Walls
Friday	
10:00 – 11:30	Overview of Random Coefficient and Clustering concepts / Dr. Theodore Walls

11:30 – 11:45	<i>Coffee Break</i>
11:45 – 13:15	Short-term (Low number of time points) Mixed models Exercise / Dr. Theodore Walls
13:15 – 14:15	<i>Lunch</i>
14:15 – 15:45	Mixed models involving Autoregressive coefficients / Dr. Theodore Walls
15:45 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Emerging advanced frameworks in the Designs and analysis of Change / Dr. Theodore Walls
Saturday	
10:00 – 11:00	Wrap-Up
11:00 – 11:15	<i>Coffee Break</i>
11:15 – 12:00	Feedback and certificates