

Module 230: ISB “Multi-level analysis”

Coordinator: Jay KAUFMAN, PhD, Professor McGill University

Location: EHESP – 20 Avenue George Sand 93120 La Plaine Saint Denis, **room 408**

Monday December 18 Jay KAUFMAN, PhD	Tuesday December 19 Jay KAUFMAN, PhD	Wednesday December 20 Jay KAUFMAN, PhD	Thursday December 21 Tarik BENMARHANIA, PhD	Friday December 22 Tarik BENMARHANIA, PhD
<p><b>9.00 – 12:00</b></p> <p>Review of Regression Modeling in Epidemiology</p> <p>Bias/Variance Trade-Off</p> <p>Break</p> <p>James-Stein and Empirical Bayes</p>	<p><b>9.00 – 12:00</b></p> <p>Fixed Versus Random Effects</p> <p>Empirical Bayes Prediction</p> <p>Parameter Estimation and Model Fitting</p> <p>Intraclass Correlation Coefficient</p>	<p><b>9.00 – 12:00</b></p> <p>Cluster-level confounding</p> <p>Hausman Test for Endogeneity</p> <p>Random Coefficient Models</p> <p>Break</p> <p>Models for Categorical Response</p>	<p><b>9.00 – 12:00</b></p> <p>Causal Inference in Observational Studies</p> <p>Fixed Effects for Panel Data and Case Crossover Designs</p> <p>Break</p> <p>Introduction to Quasi-Experimental Designs and two-way fixed effects models</p>	<p><b>9.00 – 12:00 online</b></p> <p>Difference-in-Differences and Synthetic Control Methods</p>
<b>12.00 PM : Lunch</b>	<b>12.00 PM : Lunch</b>	<b>12.00 PM : Lunch</b>	<b>12.00 PM : Lunch</b>	<b>12.00 PM : Lunch</b>
<p><b>1.00 pm – 4:00 pm</b></p> <p>Practice Dr J. Kaufman, McGill University</p>	<p><b>1.00 pm – 4:00 pm</b></p> <p>Practice Dr J. Kaufman, McGill University</p>	<p><b>1.00 pm – 4:00 pm</b></p> <p>Practice T Benmarhnia, University of California San Diego</p>	<p><b>1.00 pm – 4:00 pm</b></p> <p>Practice T Benmarhnia, University of California San Diego</p>	<p><b>1.00 pm – 4:00 pm online</b></p> <p><b>Final Exam</b> T Benmarhnia, University of California San Diego</p>

*Please note that some small changes could occur*