

ViCBiostat presents
Introduction to causal Inference – Part I

Days 1-2, February 8-9, 2022

Day 1 – Feb 8		Topic	Lecturers & tutors
01:30 – 02:15	Lecture 1	What is causal inference?	Margarita Moreno-Betancur
02:15 – 03:00	Tutorial 1	Identifying causal research questions	Marnie Downes
03:00 – 03:30		Morning tea	
03:30 – 04.15	Lecture 2	The target trial	John Carlin
04:15 – 05.00	Tutorial 2	Defining a target trial	Daisy Shepherd
Day 2 – Feb 9		Topic	Lecturers & tutors
01:30 – 3:00	Lecture/ Tutorial 3	Causal diagrams	Andrew Forbes & Ghazaleh Dashti
03:00 – 03:30		Afternoon tea	
03:30 – 04.15	Lecture 4	Study design for target trial emulation	Margarita Moreno-Betancur
04:15 – 05.00	Tutorial 4	Emulating the target trial	Daisy Shepherd



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Introduction to causal Inference – Part II

Days 3-4, February 10-11, 2022

Day 3 – Feb 10		Topic	Lecturers & tutors
01:30 – 02:15	Lecture 5	Outcome regression for causal effect estimation	John Carlin
02:15 – 03:00	Tutorial 5	Estimation using outcome regression	Susan Ellul
03:00 – 03:30		Morning tea	
03:30 – 04.15	Lecture 6	G-computation for causal effect estimation	Lyle Gurrin
04:15 – 05.00	Tutorial 6	Estimation using g-computation	Koen Simons
Day 4 – Feb 11		Topic	Lecturers & tutors
01:30 – 02:15	Lecture 7	IPW using the propensity score for causal effect estimation	Jessica Kasza
02:15 – 03:00	Tutorial 7	Estimation using IPW	Daisy Shepherd
03:00 – 03:30		Afternoon tea	
03:30 – 05:00	Computer practical	Estimation in R/Stata	Lyle Gurrin, Koen Simons & Jiaxin Zhang