

MSc Economics for Development 2020-2021

Quantitative Methods

Course Schedule

Jin Ho Kim*

1 Michaelmas Term

- Week 1

Mon Lecture 1: introduction to empirical development economics (Margaryta Klymak)

Wed Lecture 2: simple linear regression model (Margaryta Klymak)

- Week 2

T/R Class 1: describing and understanding data (Binta Zahra Diop)

Mon Lecture 3: multiple regression analysis (Margaryta Klymak)

Wed Lecture 4: multiple regression analysis: inference (Margaryta Klymak)

- Week 3

T/R Class 2: linear regression and functional form (Binta Zahra Diop)

Mon Lecture 5: OLS asymptotics and heteroskedasticity (Margaryta Klymak)

Wed Lecture 6: how to start thinking about your extended essay (Margaryta Klymak)

- Week 4

T/R Class: No Class

Mon Lecture 7: Instrumental Variable I (Jin Ho Kim)

Wed Lecture 8: Instrumental Variable II (Jin Ho Kim)

- Week 5

T/R Class: no class

Mon Lecture 9: Instrumental Variable III (Jin Ho Kim)

Wed Lecture 10: Measurement Error and Instrumental Variable (Jin Ho Kim)

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- Week 6

T/R Class 3: Instrumental Variable (Binta Zahra Diop)

Mon Lecture 11: maximum likelihood I, in the computer lab (Simon Quinn)

Wed Lecture 12: maximum likelihood II (Simon Quinn)

- Week 7

T/R Class 4: inference and maximum likelihood (Binta Zahra Diop)

Mon Lecture 13: binary choice I (Simon Quinn)

Wed Lecture 14: binary choice II (Simon Quinn)

- Week 8

T/R Class 5: limited dependent variables (Binta Zahra Diop)

Mon Lecture 15: discrete ordered choice (Simon Quinn)

Wed Lecture 16: discrete multinomial choice (Simon Quinn)

2 Hilary Term

- Week 1

T/R Class 6: Hilary collection feedback (Binta Zahra Diop)

Mon Lecture 9: panel I (Jin Ho Kim)

Wed Lecture 10: panel II (Jin Ho Kim)

- Week 2

T/R Class 7: How to write an empirical dissertation (Christopher Woodruff)

Mon Lecture 11: dynamic panel I (Jin Ho Kim)

Wed Lecture 12: dynamic panel II (Jin Ho Kim)

- Week 3

T/R Class 8: dynamic panel (Binta Zahra Diop)

Mon Lecture 23: treatment effects I (Christopher Woodruff)

Wed Lecture 24: treatment effects II (Christopher Woodruff)

- Week 4

T/R Class 9: treatment effects I (Binta Zahra Diop)

Mon Lecture 25: treatment effects III (Christopher Woodruff)

Wed Lecture 26: treatment effects IV (Christopher Woodruff)

- Week 5

T/R Class 10: treatment effects II (Binta Zahra Diop)

Mon Lecture 21: the practice of RCTs I (Lukas Hensel)

Wed Lecture 22: the practice of RCTs II (Lukas Hensel)

- Week 6

T/R Class 11: the practice of RCTs (Binta Zahra Diop)

Mon Lecture 27: non-parametrics I, in the computer lab (Jin Ho Kim)

Wed Lecture 28: non-parametrics II (Jin Ho Kim)

- Week 7

T/R Class 12: non-parametrics (Binta Zahra Diop)

Mon Lecture 29: non-parametrics III (Jin Ho Kim)

Wed Lecture 30: machine learning I (Jin Ho Kim)

- Week 8

T/R Class 13: machine learning (Binta Zahra Diop)

Mon Lecture 31: machine learning II (Jin Ho Kim)

Wed Lecture 32: machine learning III (Jin Ho Kim)