Ph.D.-course in Epidemiological methods in medical research, Spring 2025

Date	Time	Teacher	Topic	Book Chapter
Thursday 9 January	10.00-10.15	BO	Welcome and overview of the course	
	10.15-13.00	KSL	Introduction to epidemiology	SN: Ch. 1-2
	14.00-17.00	BO	Measuring disease frequency / association with exposure	Stat refresher
Thursday 16 January	10.00-13.00	AMNA	Study design 1: Cohort Studies	SN: Ch 3 (p. 79-90)
	13.30-16.30	BC, BO	Practicals	Programming refresher
Thursday 23 January	10.00-13.00	AMNA	Bias and Confounding	SN: Ch. 3 (p. 90-103)
	13.30-16.30	BC, BO	Dealing with confounding: DAGs and stratification	CH: Ch. 14 (extra 15, 18.1,18.2)
Thursday 30 January	10.00-13.00	KLS	Study design 2: Case-Control Studies	SN: Ch. 3, p. 90-103
	13.30-16.30	BO, JH	Practicals, Discussion of an article	Stat refresher
Thursday 6 February	10.00-13.00	BO	Analysis of case-control studies + Practicals	CH: Ch. 16-17
	13.30-16.30	PKA	Regression models 1: Poisson and logistic regression	CH: Ch. 22-23.1-2, 24.1-2
Thursday 13 February		Vinter Ferie		
Thursday 20 February	10.00-13.00	PKA	Regression models 2: Hypothesis testing, Interactions	CH: Ch. 24.3-7, 25, 26
	13.30-16.30	BO	Practicals	
Thursday 27 February	10.00-13.00	PKA	Regression models 3: Survival analysis, Cox regression model	CH: Ch. 30
	13.30-16.30	BC, BO	Practicals	
Thursday 6 March	10.00-13.00	PKA	Matching and analysis of matched case-control studies	CH: Ch. 19,29
	13.30-16.30	BC, BO	Practicals	

Thursday 13 March	10.00-13.00	BC, BO	Tutorial about the Lexis macro + Practicals	
	13.30-16.30	BO, BC	Registry data analysis: immortal time bias & standardisation	Stat refresher
Thursday 20 March	10.00-13.00	BO, KSL	Reproducibility, replication, and good practices in Epidemiology	SN: Ch. 9
	14.00-17.00	BO, KSL, AMNA	Mini seminar: presentation of your research project / an article Feedback to the teachers	

Teachers:
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Textbooks: SN: Szklo M & Nieto FJ. Epidemiology. Beyond the Basics. 3rd Edition

CH: D. Clayton & M. Hills (1993, 2012). Statistical models in epidemiology. Oxford University Press.

(The books can be purchased in Akademisk Boghandel, building 7, ground floor, CSS)

All lectures and exercises are in CSS (Kommunehospitalet), Øster Farimagsgade 5.