

Using geographical data in longitudinal studies: Value, challenges & examples

Prof Chris Dibben University of Edinburgh and closer WP6

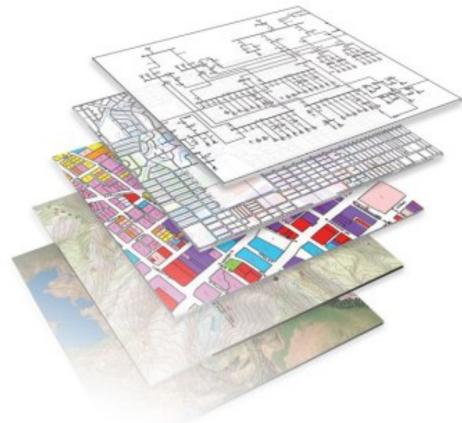


Overview

- discuss the value of geographical data in cohort studies,
- give an overview of the types of data that can be linked to each study and each time period,
- discuss the challenges of analysing place effects in life course studies using research examples from different disciplines

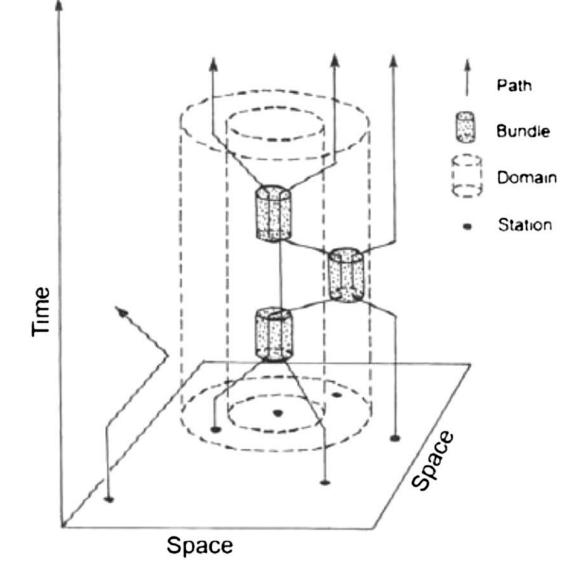


Spatial information





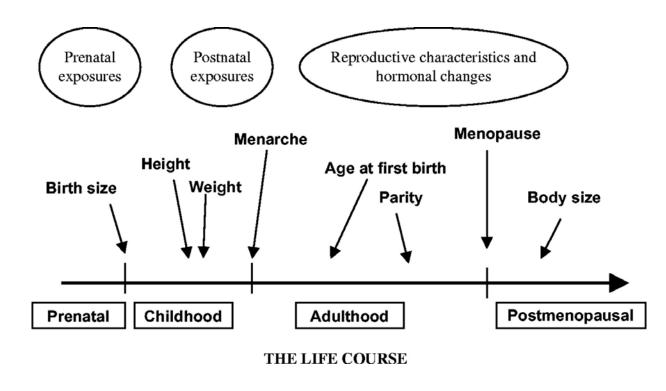
Source:http://www.oxfordcounty.ca/Services-for-You/Mapping/data-requests

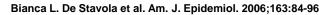






A simplistic time-line representation of conceptual (ovals) and observable risk factors for breast cancer.





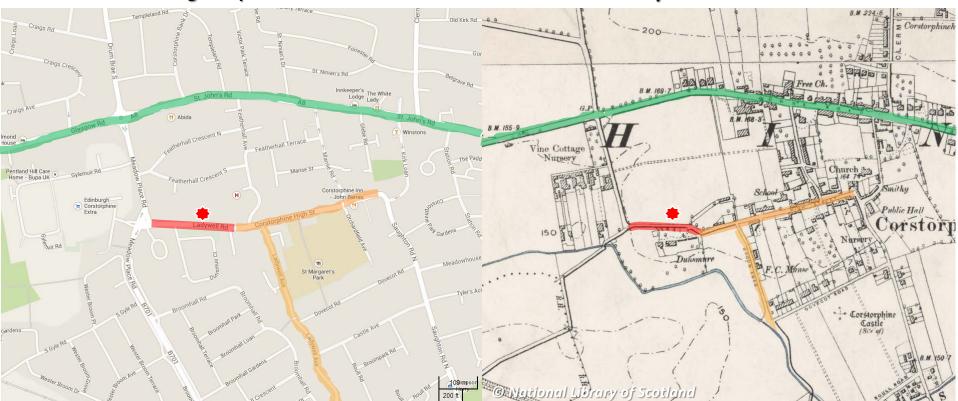
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Example: Ladywell House, Ladywell Road, Edinburgh, EH12 7T

Google map - 2014

Ordnance Survey six-inch to the mile - 1892-1905



	St John's Rd	←	JOHN'S ROAD
	Ladywell Ave	←	BROOM ROAD
	Corstorphine High St	←	HIGH STREET
	Ladywell Rd	←	???
•	Ladywell House	←──	???



Cohort & Longitudinal Studies Enhancement Resources

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Full Data Dictionary with save project list function NOW AVAILABLE!



Programme

- Session 1: Geographical data and its value in cohort studies 10:30
- 10.30-10.40 Introduction Chris Dibben, CLOSER work package 6
- 10.40-11.10 Why geography matters? Jamie Pearce
- 11.10-11.40 Neighbourhood effects on education achievement Steve Gibbons
- 11.40 Session 2: Case studies
- 11.40-12.10 Area Deprivation Across the Life Course and Physical Capability in Midlife: Findings From the 1946 British Birth Cohort - Emily Murray
- 12.10-12.40 Air pollution and its long term effect on health Anna Hansell
- 12.45 Lunch
- 13:45-14.15 Geographical data in cohort studies Zhigiang Feng
- 14:15 Session 3: Analytical issues and future of research using geographical data Challenges of analysing geographical data in cohort/longitudinal studies

Panel discussion

- 14:45 Coffee break
- 15.10 The future of using geographical data in cohort/longitudinal studies
- Alison Park



Enhancement Resources

15:30 End