

GY280 - Advanced Data Analysis

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General Text Books (17 items)

Statistics in geography, by Ebdon, David, 1985

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Practical statistics for geographers and earth scientists, by Walford, Nigel, 2011

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Key methods in geography, by Clifford, N. J.; Valentine, Gill, 2010

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Statistics in geography and environmental science, by Harris, Richard; Jarvis, Claire, 2011

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Field sampling: principles and practices in environmental analysis, by Alfred Russel Conklin; Rolf Meinholtz, c2004

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Methods of Multivariate Analysis, by Alvin C. Rencher; William F. Christensen, 2012-07-16

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National vegetation classification: users' handbook, by John S. Rodwell; Joint Nature Conservation Committee, 2012

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Starting statistics: a short, clear guide, by Neil Burdess, c2010

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Using multivariate statistics, by Barbara G. Tabachnick; Linda S. Fidell, c2013

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A dictionary of statistics, by Graham J. G. Upton; Ian Cook, 2008

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Spatial statistics and geostatistics: theory and applications for geographic information science and technology, by Daniel A. Griffith; Yongwan Chun, 2012

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Statistical methods for spatial data analysis, by Oliver Schabenberger; Carol A. Gotway,

c2005

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Bayesian theory, by J. M. Bernardo; A. F. M. Smith, c1994[Book](#) | [Further](#)

Statistics for people who (think they) hate statistics, by Neil J. Salkind, 2014[Book](#) | [Key](#)

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Practical statistics for geographers and earth scientists, by Nigel Walford, 2011[Book](#) | [Recommended](#)

Sampling Frameworks and Use of Data Analysis (23 items)

The demographic impacts of the Irish famine: towards a greater geographical understanding - in Transactions of the Institute of British Geographers, by A Stewart Fotheringham; Mary H Kelly; Martin Charlton, 2013-04[Article](#) | [Key](#)

Learning electoral geography? Party campaigning, constituency marginality and voting at the 2010 British general election - in Transactions of the Institute of British Geographers, by Ron Johnston; Charles Pattie, 2013-04[Article](#) | [Key](#)

Investigating perceptions of antisocial behaviour and neighbourhood ethnic heterogeneity in the British Crime Survey - in Transactions of the Institute of British Geographers, by Joanna Taylor; Liz Twigg; John Mohan, 2010-01[Article](#) | [Recommended](#)

Geographies of family formations: spatial differences and gender cultures in Britain - in Transactions of the Institute of British Geographers, by Simon Duncan; Darren Smith, 2002-12[Article](#) | [Recommended](#)

Comparisons between geographies of mortality and deprivation from the 1900s and 2001: spatial analysis of census and mortality statistics - in BMJ, by I. N Gregory, 2009-09-11[Article](#) | [Recommended](#)

Patterns of Holocene relative sea level change in the North of Britain and Ireland - in Quaternary Science Reviews, by D.E. Smith; N. Hunt; C.R. Firth; J.T. Jordan; P.T. Fretwell; M. Harman; J. Murdy; J.D. Orford; N.G. Burnside, 2012-10[Article](#)

Provenancing of silcrete raw materials indicates long-distance transport to Tsodilo Hills, Botswana, during the Middle Stone Age - in Journal of Human Evolution, by David J. Nash; Sheila Coulson; Sigrid Staurset; J. Stewart Ulliyott; Mosarwa Babutsi; Laurence Hopkinson; Martin P. Smith, 2013-4[Article](#) | [Recommended](#)

Heavy metal distribution and accumulation in two *Spartina* sp.-dominated macrotidal salt marshes from the Seine estuary (France) and the Medway estuary (UK) - in Applied Geochemistry, by A.B. Cundy; L. Hopkinson; R. Lafite; K. Spencer; J.A. Taylor; B. Ouddane; C.M. Heppell; P.J. Carey; R. Charman; D. Shell; S. Ulliyott, 2005-6

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Using artificial fluorescent particles as tracers of livestock wastes within an agricultural catchment - in Science of The Total Environment, by Steve J. Granger; Roland Bol; Jane M.B. Hawkins; Sue M. White; Pamela S. Naden; Gareth H. Old; Jon K. Marsh; Gary S. Bilotta; Richard E. Brazier; Christopher J.A. Macleod; Philip M. Haygarth, 2011-2

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The partitioning of Africa: statistically defined biogeographical regions in sub-Saharan Africa - in Journal of Biogeography, by H. Peter Linder; Helen M. de Klerk; Julia Born; Neil D. Burgess; Jon Fjeldså; Carsten Rahbek, 2012-07

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Habitat diversity determines ghyll woodland species diversity. Adding complexity to the species area relationship, a new predictive model., by S Waite; Niall Burnside; Andrew Flint

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A comparison of pixel-based and object-based image analysis with selected machine learning algorithms for the classification of agricultural landscapes using SPOT-5 HRG imagery - in Remote Sensing of Environment, by Dennis C. Duro; Steven E. Franklin; Monique G. Dubé, 2012-3

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Effects of watershed land use and geomorphology on stream low flows during severe drought conditions in the southern Blue Ridge Mountains, Georgia and North Carolina, United States - in Water Resources Research, by Katie Price; C. Rhett Jackson; Albert J. Parker; Trond Reitan; John Dowd; Mike Cyterski, 2011-02

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Personality, Gender, and Age in the Language of Social Media: The Open-Vocabulary Approach - in PLoS ONE, by H. Andrew Schwartz; Johannes C. Eichstaedt; Margaret L. Kern; Lukasz Dziurzynski; Stephanie M. Ramones; Megha Agrawal; Achal Shah; Michal Kosinski; David Stillwell; Martin E. P. Seligman; Lyle H. Ungar, 2013-9-25

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Meteorological modes of variability for fine particulate matter (PM_{2.5}) air quality in the United States: implications for PM_{2.5} sensitivity to climate change - in Atmospheric Chemistry and Physics, by A. P. K. Tai; L. J. Mickley; D. J. Jacob; E. M. Leibensperger; L. Zhang; J. A. Fisher; H. O. T. Pye, 2012-03-30

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Measuring ecological niche overlap from occurrence and spatial environmental data - in Global Ecology and Biogeography, by Olivier Broennimann; Matthew C. Fitzpatrick; Peter B. Pearman; Blaise Petitpierre; Loïc Pellissier; Nigel G. Yoccoz; Wilfried Thuiller; Marie-Josée

Fortin; Christophe Randin; Niklaus E. Zimmermann; Catherine H. Graham; Antoine Guisan, 2012-04

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Use of vegetation classification and plant indicators to assess grazing abandonment in Estonian coastal wetlands - in Journal of Vegetation Science, by Niall G. Burnside; Chris B. Joyce; Elle Puurmann; Dawn M. Scott, 2007-10

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Climate change and meat eating: An inconvenient couple? - in Journal of Environmental Psychology, by Joop de Boer; Hanna Schösler; Jan J. Boersema, 2013-3

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Destined for indecision? A critical analysis of waste management practices in England from 1996 to 2013 - in Waste Management, by T.D. Farmer; P.J. Shaw; I.D. Williams, 2015-05

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Predicting 21st century global agricultural land use with a spatially and temporally explicit regression-based model - in Applied Geography, by Nicholas Haney; Sagy Cohen, 2015-08

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Above ground biomass estimation across forest types at different degradation levels in Central Kalimantan using LiDAR data - in International Journal of Applied Earth Observation and Geoinformation, by Karin Kronseder; Uwe Ballhorn; Viktor Böhm; Florian Siegert, 2012-8

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Effects of raised water levels on wet grassland plant communities - in Applied Vegetation Science, by Sarah E. Toogood; Chris B. Joyce, 2009-08

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