

Get training in R + OSGeo ^[1]

Upcoming events

To receive a notice about the GEOSTAT summer school, please subscribe to the [R-sig-geo mailing list](#) ^[2], or send an [e-mail](#) ^[3] to the course organizers.

Regular courses/meetings

- Aarhus Universiteit, DK: [Courses from the Research Unit of Bioinformatics, Genetics and Statistics](#) ^[4];
 - Academy for PhD Training in Statistics, UK ^[5]
 - Arizona State University, USA: [The GeoDa Center for Geospatial Analysis and Computation e-learning courses](#) ^[6];
 - Bioconductor workshops ^[7];
 - CSISS, University of California, Santa Barbara: [Advanced Spatial Analysis workshops](#) ^[8];
 - Copenhagen University, DK: [Hands-on training courses on spatial ecological modeling using R, GRASS and other open source tools](#) ^[9];
 - The University of Manchester, UK: [CCSR Short Courses](#) ^[10];
 - University of Muenster, DE: [IfGI Spring school](#) ^[11];
 - Global GIS academy e-learning courses ^[12];
 - ISRIC - World Soil Information, Wageningen, NL: [ISRIC training and education courses](#) ^[13];
 - Lancaster University, UK: [Short courses: R](#) ^[14];
 - Mango Solutions, UK: [The R Language courses](#) ^[15];
 - Imperial college London, UK: [Introduction to R courses](#) ^[16];
 - ITC, Enschede, NL: [Geostatistics and Open-Source Statistical Computing](#) ^[17] (distance education course);
 - [useR! conferences](#) ^[18] (includes also workshop and training sessions);
 - NPS's ^[19] ^[20] [web-inars](#) ^[21] on using R for monitoring natural resources;
 - University of Oregon, Dept. Geography, USA: [Geographic Data Analysis Using R](#) ^[22] courses;
 - Wageningen University and Research, NL: [PE&RC Postgraduate Courses](#) ^[23];
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People in Academia running courses on spatial data analysis with R

- [Roger Bivand](#) ^[24], NHH, Bergen, Norway;

- **Gilberto Câmara** [25], National Institute for Space Research, Brasil;
 - **Bendix Carstensen** [26], Department of Biostatistics, University of Copenhagen, Denmark;
 - **Ole Christensen** [27], Aarhus Universitet, Denmark;
 - **Peter Dalgaard** [28], University of Copenhagen, Denmark;
 - **Jerome H. Friedman** [29], Stanford University, USA;
 - **John Fox** [30], McMaster University, Hamilton, Canada;
 - **Paul Galpern** [31], University of Manitoba, Winnipeg, Canada;
 - **Paul Geissler** [20], consultat, USA;
 - **Trevor Hastie** [32], Stanford University, USA;
 - **Robert Hijmans** [33], University of California, Davis, USA;
 - **Gerard B.M. Heuvelink** [34], Wageningen University and Research, NA;
 - **Matthew C. Keller** [35], University of Colorado, Boulder, USA;
 - **Petra Kuhnert** [36], CSIRO, Australia;
 - **Michael Lachmann** [37], Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany;
 - **Robin Lovelace** [38], University of Leeds
 - **Edzer Pebesma** [39], Universität in Münster, Germany;
 - **David G. Rossiter** [40], ITC, Enschede, NL;
 - **Ashton Shortridge** [41], Michigan State University, East Lansing, MI, USA;
 - **Martin Theus** [42], University of Augsburg, Germany;
 - **Hadley Wickham** [43], Rice University;
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Teach-your-self literature

1. *Beginners-level:*

- Beaudette, D., 2009. **Open Source Software Tools for Soil Scientists** [44], University of California at Davis.
- Braun, W.J., Murdoch, 2008. **A First Course in Statistical Programming with R** [45]. Cambridge University Press, Cambridge, 174 p. ISBN 9780521694247 [46]
- Crawley, M.J., 2005. **Statistics: An Introduction using R** [47]. John Wiley & Sons, Ltd. ISBN 0470022973 [48]
- Everitt, B.S., Hothorn, T., 2006. **HSAUR: A Handbook of Statistical Analyses Using R** [49]. Chapman & Hall/CRC, 325 p.
- Kabacoff, R.I., 2011. **R in Action: Data Analysis and Graphics with R** [50]. Manning publications, 472 p. ISBN 9781935182399 [51]
- Kuhnert, P., Venables, W.N., 2005. **An Introduction to R: Software for Statistical Modelling & Computing** [36]. CSIRO Canberra, Australia, 362 p.
- Lovelace, R., Nowosad, J., Muenchow, J., 2018. **Geocomputation with R** [38]. CRC Press.
- R Development Core Team, 2008. **An Introduction to R** [52]. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3900051127 [53]
- Venables, W.N., Smith, D.M., R Development Core Team, 2004. **An Introduction to R** [54]. Network Theory Ltd, 156 p. ISBN 0954161742 [55]
- see also: **Books on R** [56]
- **Advanced R programming** [57] by Hadley Wickham

2. *Spatial data analysis/visualization in R:*

- Baddeley, A., 2008. **Analysing spatial point patterns in R** [58]. CSIRO Canberra,

Australia.

- Bivand, R., Pebesma, E., Rubio, V., 2013. **Applied Spatial Data Analysis with R** [59]. Use R Series, 400 p. Springer, Heidelberg, 2nd Ed. p. 390.
- Diggle, P.J., Ribeiro Jr, P.J., 2006. **Model-based Geostatistics** [60]. Springer Series in Statistics, 230 p.
- Mitasova, H., Neteler, M. 2007. **Open Source GIS: A GRASS GIS Approach** [61]. Springer Science & Business Media, p. 406.
- Reimann, C., Filzmoser, P., Garrett, R., Dutter, R., 2008. **Statistical Data Analysis Explained Applied Environmental Statistics with R** [62]. Wiley, Chichester, 337 p.
- Theus, M., Urbanek, S., 2008. **Interactive Graphics for Data Analysis: Principles and Examples** [63]. CRC Press, 277 p.

Teach-your-self (in a virtual classroom)

1. Youtube channels:
 - **Domino data lab tutorials** [64]
 - **Learn R from scratch** [65]
 - **David Langer learn Data Science** [66]
2. **DataCamp courses** [67]

Source URL: <http://geostat-course.org/content/get-training-r-osgeo>

Links

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- [2] <https://stat.ethz.ch/mailman/listinfo/r-sig-geo>
- [3] <http://geostat-course.org/contact>
- [4] <http://genetics.agrsci.dk/statistics/courses/>
- [5] <http://www2.warwick.ac.uk/fac/sci/statistics/apts/>
- [6] <http://geodacenter.asu.edu/moodle/>
- [7] <http://www.bioconductor.org/workshops/>
- [8] <http://www.csiss.org/GISPopSci/workshops/>
- [9] http://en.sl.life.ku.dk/Forskning/ForsknerskolenREFOLANA/Activities_courses.aspx
- [10] <http://www.ccsr.ac.uk/courses/>
- [11] <http://ifgi.uni-muenster.de/springschool/>
- [12] <http://www.wun.ac.uk/ggisa/elearning.html>
- [13] <http://www.isric.org>
- [14] <http://psc.maths.lancs.ac.uk/shortCourses/>
- [15] http://www.mango-solutions.com/services/rtraining/r_language.html
- [16] <http://www3.imperial.ac.uk/stathelp/courses/rcourses>
- [17] <http://www.itc.nl/personal/rossiter/teach/degeostats.html>
- [18] <http://www.r-project.org/conferences.html>
- [19] <http://science.nature.nps.gov/im/datamgmt/statistics/r/>
- [20] <http://paulrstat.com/>
- [21] <http://www.fort.usgs.gov/brdscience/Courses.htm>
- [22] <http://geography.uoregon.edu/GeogR/>
- [23] <http://www.pe-rc.nl/database/Courses%20&%20Activities/PE&%20RC%20postgraduate%20courses.htm>
- [24] <http://www.nhh.no/Default.aspx?ID=697>
- [25] <http://www.dpi.inpe.br/gilberto/>
- [26] <http://staff.pubhealth.ku.dk/~bxc/>
- [27] <http://gbi.agrsci.dk/~ofch/>

[28] <http://staff.pubhealth.ku.dk/~pd/>
[29] <http://www-stat.stanford.edu/~jhf/>
[30] <http://socserv.mcmaster.ca/jfox/>
[31] <http://borealscape.ca/>
[32] <http://www-stat.stanford.edu/~hastie/>
[33] <http://geography.ucdavis.edu/faculty/robert-hijmans>
[34] <http://www.lad.wur.nl/UK/Staff/Heuvelink/>
[35] <http://www.matthewckeller.com/>
[36] <http://www.csiro.au/resources/Rcoursenotes.html>
[37] <http://email.eva.mpg.de/~lachmann/>
[38] <http://robinlovelace.net/geocompr/>
[39] <http://www.geog.uu.nl/~pebesma/>
[40] <http://www.itc.nl/~rossiter/>
[41] <https://www.msu.edu/~ashton/>
[42] <http://www.theusrus.de/>
[43] <http://had.co.nz/>
[44] <http://casoilresource.lawr.ucdavis.edu/drupal/node/95>
[45] <http://www.cambridge.org/0521872650/>
[46] <http://spatial-analyst.net/wiki/index.php?title=Special:BookSources/9780521694247>
[47] <http://www3.imperial.ac.uk/naturalsciences/research/statisticsusingr>
[48] <http://spatial-analyst.net/wiki/index.php?title=Special:BookSources/0470022973>
[49] <http://cran.r-project.org/web/packages/HSAUR/>
[50] <http://www.manning.com/kabacoff/>
[51] <http://spatial-analyst.net/wiki/index.php?title=Special:BookSources/9781935182399>
[52] <http://cran.r-project.org/doc/manuals/R-intro.pdf>
[53] <http://spatial-analyst.net/wiki/index.php?title=Special:BookSources/3900051127>
[54] <http://www.network-theory.co.uk/R/intro/>
[55] <http://spatial-analyst.net/wiki/index.php?title=Special:BookSources/0954161742>
[56] <http://www.r-project.org/doc/bib/R-books.html>
[57] <http://adv-r.had.co.nz/>
[58] <http://www.csiro.au/resources/Spatial-Point-Patterns-in-R.html>
[59] <http://www.asdar-book.org/>
[60] <http://www.leg.ufpr.br/mbgbook/>
[61] <http://www.osgeo.org/books/grassbook>
[62] <http://www.statistik.tuwien.ac.at/StatDA/>
[63] <http://www.interactivegraphics.org/>
[64] <https://www.youtube.com/channel/UCmbeoaqXHTAFi1SypzLfQNw>
[65] <https://www.youtube.com/channel/UCpcJNrQyW3Ge7w9-dmijW9Q>
[66] <https://www.youtube.com/channel/UCRhUp6SYaJ7zme4Bjw28DQ>
[67] <https://www.datacamp.com/courses>