

JAVIER ELIO

I am an engineer with 15+ years of research and teaching experience, with a solid background in statistics, spatial data analysis, and modelling. My main research area is environmental science, with a particular interest in natural hazards and climate change.





EDUCATION

- Ph.D. in Environmental Science**
Technical University of Madrid  Madrid, ES
2013
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2009
- M.Sc. in Environmental Research, Modelling and Risk Assessment**
Technical University of Madrid  Madrid, ES
2009
|
2007
- M.Eng. in Mining Engineering. Specialization: Natural Resources and Environment Management**
Technical University of Madrid  Madrid, ES
2005
|
1998

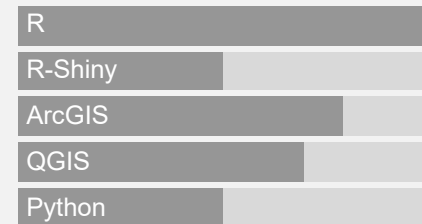
EMPLOYMENT

- Assistant Professor / Postdoc**
Aalborg University, Technical Faculty of IT and Design, Department of Planning  Copenhagen, DK
2022
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2020
- Assistant Professor**
Western Norway University of Applied Sciences, Department of Safety, Chemistry and Biomedical laboratory sciences  Haugesund, NO
2019
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2019
- Postdoctoral Research Fellow**
Trinity College Dublin, Geology  Dublin, IE
2018
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2016
- Research Assistant**
Technical University of Madrid, School of Mining and Energy Engineering  Madrid, ES
2014
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2014
- PhD Candidate**
Fundación Ciudad de la Energía, CO2 Geological Storage  Ponferrada, ES
2013
|
2009
- Research assistant**
Technical University of Madrid, School of Mining and Energy Engineering  Madrid, ES
2009
|
2007
- Tunnel Engineer**
Obrascon Huarte Lain SA, AVE Colmenar-Soto del Real, Western tunnel (9.5km)  Madrid, ES
2007
|
2005

CONTACT INFO

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 github.com/javiereliomedina
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 javierelio.netlify.app
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 +45 9940 2529

SOFTWARE



LANGUAGES

Spanish: mother tongue.

English: fluent. It has been my everyday work language since 2016.



TRAINING AND TEACHING SKILLS

- 2022
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2022 • **Geoinformatics: Spatial Data Science 1**
A hands-on data science session in Python to train skills in data science-related tasks. Aalborg University
📍 Copenhagen, DK
- 2018
|
2018 • **Geological residential field-school**
Teaching assistant, 10 day geological residential fieldschool in SE Spain, Trinity College Dublin, School of Natural Sciences, Geology
📍 Dublin, IE
- 2017
|
2017 • **GIS module in MSc Environmental Science**
Practical exercise: a new indoor radon risk map of Ireland. Geology, School of Natural Sciences, Trinity College Dublin, School of Natural Sciences, Geology
📍 Dublin, IE
- 2017
|
2017 • **Massive Online Course - MOOC**
Monitoring CO2 geological storage sites, Technical University of Madrid
📍 Madrid, ES
- 2016
|
2016 • **Geological residential field-school**
Teaching assistant, 10 day geological residential fieldschool in SE Spain, Trinity College Dublin, School of Natural Sciences, Geology
📍 Dublin, IE



SELECTED PUBLICATIONS

- 2020 • **Application of airborne radiometric surveys for large scale geogenic radon potential classification**
Journal of the European Radon Association
🔗 <http://dx.doi.org/10.35815/radon.v1.4358>
- 2019 • **The first version of the Pan-European Indoor Radon Map**
Natural Hazards and Earth System Sciences
🔗 <http://dx.doi.org/10.5194/nhess-19-2451-2019>
- 2018 • **Estimation of residential radon exposure and definition of Radon Priority Areas based on expected lung cancer incidence**
Environment International
🔗 <http://dx.doi.org/10.1016/j.envint.2018.02.025>
- 2017 • **Logistic regression model for detecting radon prone areas in Ireland**
Science of the Total Environment
🔗 <http://dx.doi.org/10.1016/j.scitotenv.2017.05.071>

SOFTWARE DEVELOPMENT

dangeo: R package for accessing the Danish Map Supply Download via the kortforsyningen FTP, <https://github.com/javiereliomedina/dangeo.git>.

ggpyramid: R function for plotting population pyramids in {ggplot2}, <https://github.com/javiereliomedina/ggpyramid.git>.

ggrugby: R functions for plotting rugby events in {ggplot2}, <https://github.com/javiereliomedina/ggrugby.git>.

safecastR: R package for loading data from Safecast API, <https://github.com/javiereliomedina/safecastR.git>.

APPS DEVELOPMENT

CV_app: Shiny app for building data-driven CVs from Excel files, https://javierelio.shinyapps.io/cv_app/.

DK_migr: Shiny app for analysing migration data from Statistic Denmark, https://javierelio.shinyapps.io/DK_migr_app/.

This resume was made with [Shiny](#).

Last updated on 2022-02-17.