Shah Nawaz
Curriculum vitae

Professional summary

Aims—to develop efficient techniques for analysis of data that help organizations for future decison making.
Methods—ggplot, matplotlib, powerBI, web scraping, machine learning, report writing.

Contact

3SR research labotory, University of Grenoble Alpes
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LinkedIn
Github

Education

2020 **PhD geomechanics**, University of Grenoble Alpes, France

2019 **MSc hydraulics and civil engineering**, Grenoble Polytechnical institute ENSE3, France

2015 **MSc transportation engineering**, University of engineering and technology, Lahore, Pakistan

2014 **BSc transportation engineering**, University of engineering and technology, Lahore, Pakistan

Selected teaching experience

2016 **Graduate assistant, Geotechnical engineering lab**, University of engineering and technology, Lahore, Pakistan
40 bachelor's students. Taught the practical part of the lab about the direct shear, triaxial shear, atterberg, dry density tests for one semester.

Technical skills

Programming, data analysis and visualisation	in R (tidyverse, ggplot), Python, PowerBI, gnuplot
Reproducible research	with R Markdown, quarto+LaTeX+HTML, , Microsoft office, GitHub Pages, Netlify
Engineering software	Plaxis, Synchro, PTV Vissim, Primavera, MATLAB

Data analysis and visualization

Free lance Data analyst, I provide practical support and consultancy on machine learning, statistical analysis and visualisation to client on fiverr, using reproducible workflows in R Markdown.

Volunteering

Community leader and instructor, courses for passouts youtube channel.	I meet with fellow tech enthusiats 4 days/week to discuss the new concepts of machine learning and Python Programming as well SEO, wordpress usage and email marketing.
R4DS online community	Collective book reading related to R programming and presentations.

Languages

IELTS official	**English**	Band 8 in IELTS, test attempted on 22/07/2023
CUEF	**French**	A2 Grade
-	**Urdu**	Native

keywords

pandas, machine learning, tableau, powerBI, SQL, tensorflow, deep learning