NITheCS
National Institute for
Theoretical and
Computational Sciences

NITheCS Webinar
Friday, 09 July 2021, 14h00
Dr Denise Welsch | Rey Analytical Research

"Contribute to Statsomat and make Data Analysis automatically interpretable"

ABSTRACT

"Statsomat gUG (https://statsomat.com) is a new nonprofit company with the aim of developing, collecting and maintaining open-source and web-based apps for *automated data analysis, interpretation and explanation* to help applied researchers and Data Science learners all over the world. Contributors are welcomed to improve currently available apps and to develop new ones. Get to know the technical landscape and architecture of the apps defined mainly by the programming languages R, Python, HTML, JavaScript and the R packages *RMarkdown* and *Shiny*. Take a look at the current development practice starting from a sketch, moving on to a Software Development Plan and finally developing, communicating and versioning in GitHub. Check out further open questions and the huge research potential of automated data analysis interpretation."

BIOGRAPHY

Denise launched Statsomat.com in February this year, and is currently working towards the enrichment and growth of the app portal. She is an independent senior data scientist and consultant since 2008. She has a large experience with R&D data from the life-sciences industry (BASF SE, Bayer AG, Richter-Helm BioLogics, Mylan Pharma) but also with data from marketing and selling departments, finance and banking. Moreover, she has a great passion for teaching. She was a lecturer at the University of Applied Sciences Koblenz and developed also courses for the great MOOC portal DataCamp. She holds a diploma in mathematics and a PhD in mathematical statistics.

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