

Certificate of Attendance

Introduction to Python programming and data analysis, and visualization

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March 17, 24, 31 & April 21, 28 & May 5, 2023

Dr. Vazquez Pianzola, Maria Paula

passed the workshop in the *(Post)Doc Program Transferable Skills* successfully

Content

Participants learn the basics about Python programming and descriptive statistics. Using Python they are able to analyze and visualize data sets. They work through the process of creating a program for data analysis and visualization step by step and introduce theory and do hands-on exercises. The goal is not so much to get a deep understanding about Python programming, but to introduce programming as a tool to understand and present large data sets. Particularly, they are encouraged to work with own data. The statistical analysis includes simple descriptive measures, such as mean, maximum and minimum values, but also simple techniques to describe distributions and correlations. They work on Python programming and statistical tutorials in between course sessions.

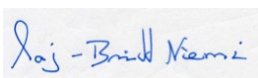
Learning Objectives

After the workshop one can understand, analyse and visualize your own data sets. This includes plotting a data set and computing some statistical measures. Most importantly: Participants know where to start and how to deepen and broaden their programming skills.

Individual Feedback

The participant will receive personal support by the trainer during the course.

Recommended ECTS 1 (15 h in class, 10-15 h preparation and homework)

A handwritten signature in blue ink that reads 'Maj-Britt Niemi'.

Dr. Maj-Britt Niemi
Vice-Rectorate Development