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## NIHILNOVI – A NOT SO NEW APPROACH TO DATA VISUALISATION PROMOTING PORTABLE AND SIMPLE TEXT FORMATS

*Thursday 10 September 2020 13:30 (20 minutes)*

With an aim of promoting open-source software and text files for data storage and processing, the author presents a program [1] that attempts to resolve the less-than ideal situation in this field.

The usual approach is to either load the data into a point-and-click application for scientific plotting, or learn basics of programming and type the commands in a scientific math package. However, manually handling larger or repeated datasets is inefficient. Programming languages are inappropriate for trivial or interactive tasks. Less advanced programs re-implement only a fairly limited subset of mathematical or graphical functions used in science today. More advanced ones often bind the researcher to one particular proprietary software and data formats.

The major novelty of the program is paradoxically in that it does almost nothing new: It does not implement a new plotting library, nor does it promote its custom scripting language – Python/Matplotlib/Numpy is already a popular environment for data processing.

The talk will be practically focused, with several use cases where the concept of doing (almost) nothing new to achieve great results will be illustrated.

[1] F. Dominec: Nihilnovi source code repository (2020, 11th May), retrieved from <https://github.com/FilipDominec/nihilnovi>

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