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How to drive scientific progress with community-driven open source projects: the scikit-learn approach

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From the first images of a black hole by Katie Bouman using Matplotlib to neuroscience research that motivated the development of the scikit-learn library, open source has now revolutionized the way we do science. The scikit-learn software has now been cited more than 50000 times in 10 years. It's the most used software by machine learning experts on kaggle. One considers that about 2 millions of data scientists are using it every month. Yet this was made possible with limited resources and mostly by researchers and engineers in academia. In this talk I will try to convince you that this immense success is not pure luck and that it can be explained by conscious decisions.

Then I will review some recent efforts in the team in order to keep scikit-learn a leading software in the field.

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