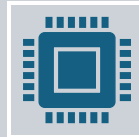# Software and Communities

Students:

- Arthur Barreto
- Pedro Barão
- Rodrigo Patelli

What is the purpose of the project?
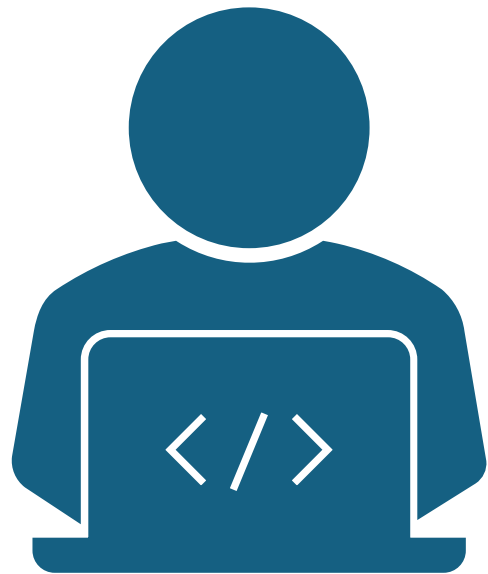

Origin: Began as a Google Summer of Code project by David Copernau (2007)

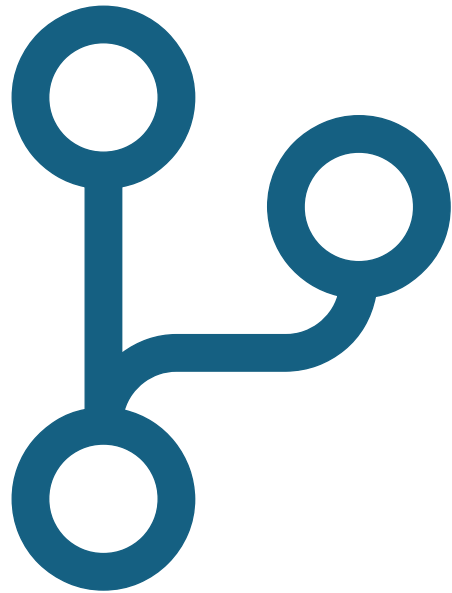**Goal:** Provides tools for building and deploying machine learning models in Python

Leadership: Taken over by Fabian Pedregosa, Gael Varoquaux, Alexandre Gramfort, and Vincent Michel of INRIA in 2010, with the first public release in February 2010
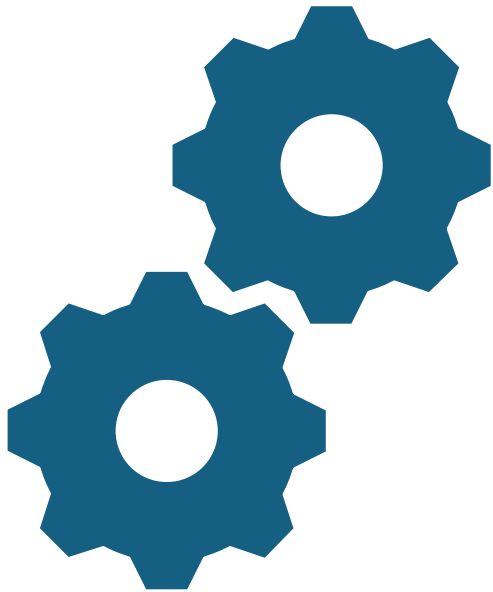
Where is the source code located? Which technologies are used?

- **Code Repository:** Github

- **Programming Language:** Python (>= 3.9)

- **Library & Tools:**
  - NumPy (>= 1.19.5)
  - SciPy (>= 1.6.0)
  - joblib (>= 1.2.0)
  - threadpoolctl (>= 3.1.0)

What is the license? Are there public guidelines or any kind of bureaucracy for contributions?

- **License:** BSD 3-Clause

- **Contribution Guidelines:**
  - **Code of Conduct:** Emphasis openness, respect, and technical merit
  - **Community Values:**
    - Equal treatment for all contributors
    - Merit-based decisions
  - **Contribution Methods:**
    - Review Pull request
    - Answer questions
    - Organize tutorials
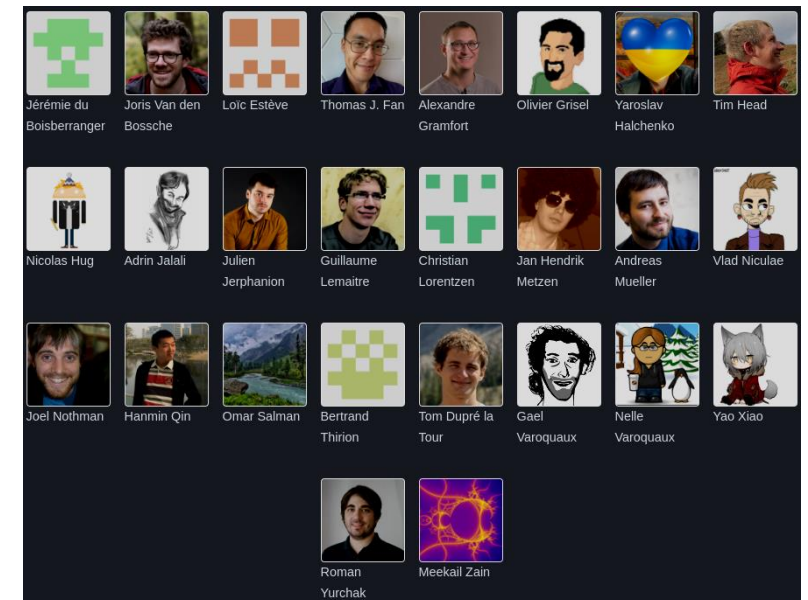   - Improve documentation

Is there developer documentation?
Easy of Compilation, Running and Modification

- **Documentation:** Available at <u>scikit-learn Developer Documentation</u>

- **Compilation/Running:**
  - Easily install with `pip install –U scikit-learn`
  - Developer build guide: <u>Build from Source</u>

- **Modification:**
  - Code is well-commented, though there's no specific documentation on the code structure
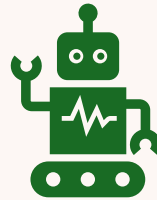
Project Governance and Contributions

- **Governance:** A meritocratic, consensus-based community project. Details

- **Key figures:** Contributors, core contributors and technical committee.

- **Public Roadmap:** Available at Roadmap

- **External Contributions:** Yes, open to all through pull requests

- **Decision Makers:** Core contributors and the technical committee

Jérémie du Boisberranger Joris Van den Bossche Loïc Estève Thomas J. Fan Alexandre Gramfort Olivier Grisel Yaroslav Halchenko Tim Head

Nicolas Hug Adrin Jalali Julien Jerphanion Guillaume Lemaitre Christian Lorentzen Jan Hendrik Metzen Andreas Mueller Vlad Niculae

Joel Nothman Hanmin Qin Omar Salman Bertrand Thirion Tom Dupré la Tour Gael Varoquaux Nelle Varoquaux Yao Xiao

Roman Yurchak Meekail Zain

Finding Project Members & Seeking Help

Help Resources: scikit-learn FAQ

General Machine Learning Questions:

Use Cross Validated with `[machine-learning]` tag

Scikit-learn Usage Question:

Use Stack Overflow with `[scikit-learn]` and `[python]` tags

Alternatively, join Mailing List

Funding & Sponsorships

- Does the project raise funds?
  - Yes

- Companies Sponsoring Developers?
  - Yes, see figure

- Financial Overview:
  - Fundraising and Expenditires

- Decision-Making on Fund Allocation:
  - Core contributors and the technical committe allocate funds, primarily for code sprints, DNS, hosting, and continuous integration services