We introduce giotto-tda, a Python library that integrates high-performance topological data analysis with machine learning via a scikit-learn-compatible API and state-of-the-art C++ implementations. The library’s ability to handle various types of data is rooted in a wide range of preprocessing techniques, and its strong focus on data exploration and interpretability is aided by an intuitive plotting API. Source code, binaries, examples, and documentation can be found at [https://github.com/giotto-ai/giotto-tda](https://github.com/giotto-ai/giotto-tda)Paper on OpenReview at [https://openreview.net/forum?id=fjQtZJ0CTXf](https://openreview.net/forum?id=fjQtZJ0CTXf)

### Persistent Homology – scikit-learn pipelines

![Diagram showing persistent homology and scikit-learn pipelines](image)

### Mapper – interactivity

![Diagram showing mapper and interactivity](image)