

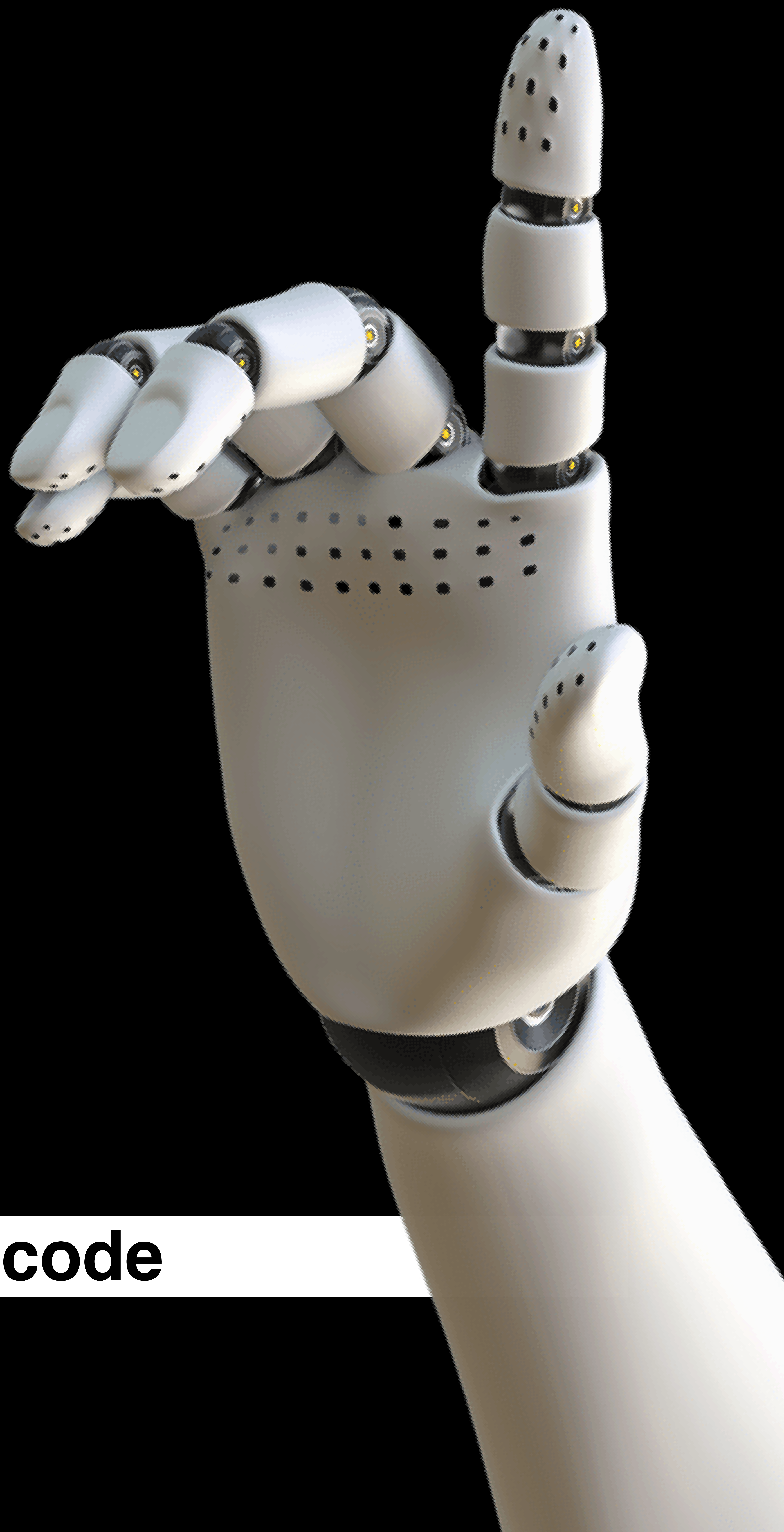


# **FIT AND EVALUATE ALL MACHINE LEARNING MODELS**

**With a single line of code**

**→ Demo**

**@learn.machinelearning**





# Problem we face

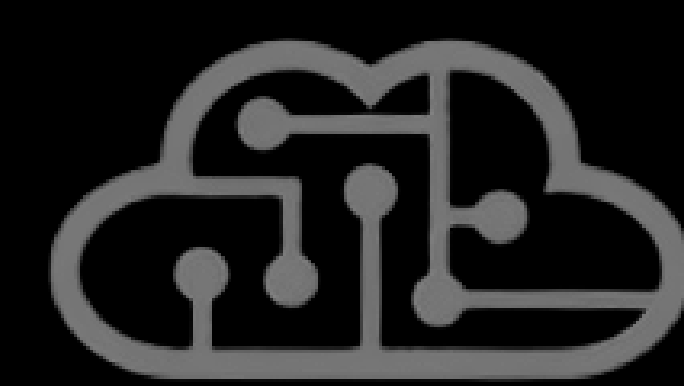
Whenever we start a new machine learning project, we often think which ML algorithm works best on the given data. To do that we apply many algorithms and evaluate all and choose the best performing one.



# Solution

What if we have a library which can do this with just a single line of code. We have a handy library called **lazypredict**, with which you can train all the models available in **scikit-learn** with a single line of code.

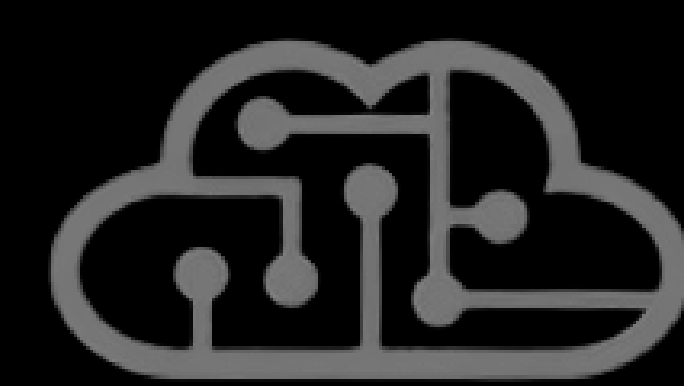




# lazypredict

It is an open-source python package created by Shankar Rao Pandala. It will generate all the basic ML models along with evaluation metrics and the time taken by each model.



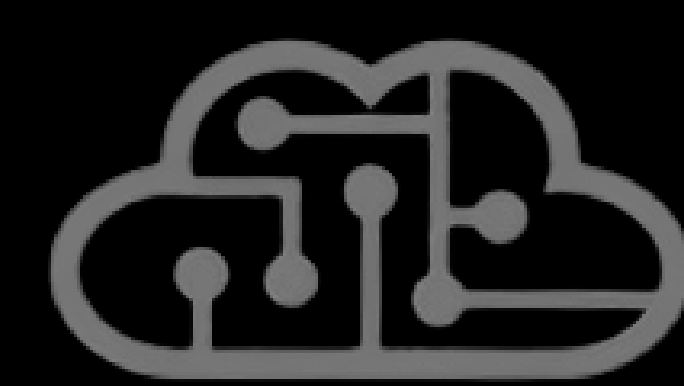


# Strengths

This library automatically applies preprocessing to the dataset. it imputes missing values using SimpleImputer and Then, it uses StandardScaler for numeric features and either OneHotEncoder or OrdinalEncoder for the categorical features.

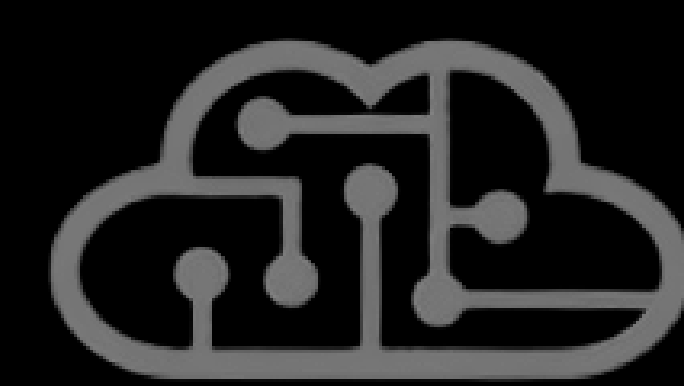
# Drawbacks

At present, it based on Supervised Learning, and also it will not do any hyperparameter tuning (only builds base models)



# Installation

```
pip install lazypredict
```



**New  
video  
is out**

Learn more about how to use this library to fit all available models in scikit-learn and evaluate it.

