

The guide to Pycle (**P**ython **C**ompressive **L**earning toolbox)

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Abstract

This is the guide to Pycle, a toolbox for Compressive Learning. It is structured as follows: first we shortly explain the theoretical methods this toolbox implements. Then, we explain how the toolbox is structured, and the main steps that a user should follow to use it. The detailed documentation of all the functionalities in the toolbox is then provided, followed by some practical examples to get started easily.

1 What is Compressive Learning?

2 An overview of Pycle

3 Documentation

3.1 Sketching methods

3.2 Learning tools

3.3 Utilities

4 Examples