**ChameleonML**

**Methods**

* **load\_training\_data():** Loads the training data from a JSON file.
* **load\_test\_data():** Loads the test data from a JSON file or a list of strings.
* **start():** Starts the training process and generates a model.
* **accuracy():** Calculates the accuracy of the model on the test data.
* **related\_info():** Prints more information about the model, such as the adaptive difference, trained data pattern, test data used, results obtained, and conclusions.
* **close():** Disposes the model.

**Description**

* The **start()** method is the most important method, as it is responsible for training the model and generating the predictions. It works by first calculating the adaptive difference, which is a measure of the variability of the training data. Then, it uses the adaptive difference to adjust the training data pattern, which is a representation of the training data. Finally, it uses the adjusted training data pattern to generate predictions on the test data.
* The **accuracy()** method calculates the accuracy of the model on the test data by comparing the predictions to the actual labels.
* The **related\_info()** method prints more information such as statistical information about the model, such as the adaptive difference, trained data pattern, test data used, results obtained, and conclusions.
* The **close()** method disposes the model by overwriting it's trained learn data.

**Conclusion**

ChameleonML library is a well-written and easy-to-understand implementation of a machine learning algorithm that uses the adaptive difference to improve performance.