em algorithm

# library link

x, need to implement it.

# basic description

EM algorithm alternatly applies the expected value (E) step of calculating the expected value of log likelihood as an estimate of the parameter and the maximization (M) step of maximizing the expected value. The variable value calculated in the maximization step is used as the etimated value of the next expected value step.

# version

* Numpy == 1.19.4 (pip install numpy)
* Matplotlib == 3.1.3 (pip install matplotlib)
* scipy >= 1.4.1 (pip install scipy)

# dataset

* Random coordinate data set.

# code description

* Code for clustering by applying the Expectation-Maximization algorithm to Gaussian mixed model.

# validation

* x