How to use rasterMiner

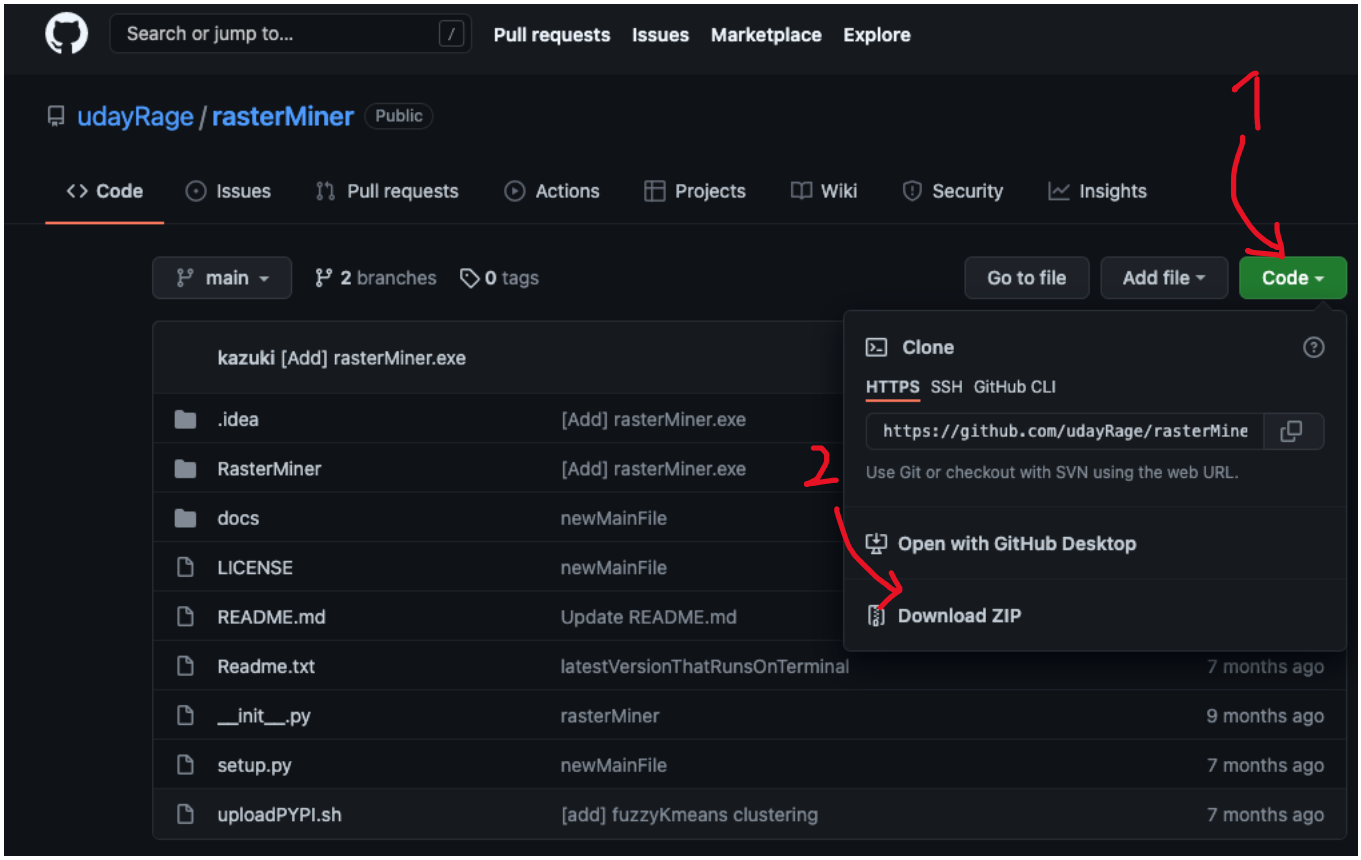
Outline

How to install RasterMiner

follow either of the two installation methods below.

1.Go to the following GitHub link

https://github.com/udayRage/rasterMiner

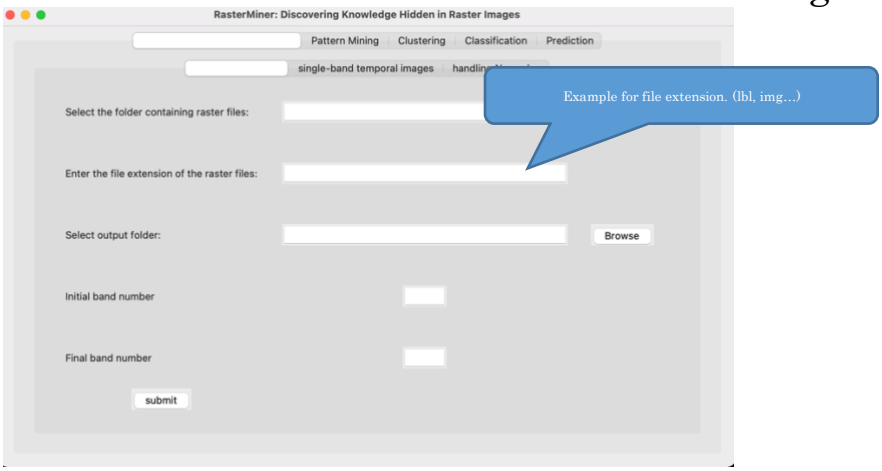


2. clone the rasterMiner in terminal

git clone https://github.com/udayRage/rasterMiner.git

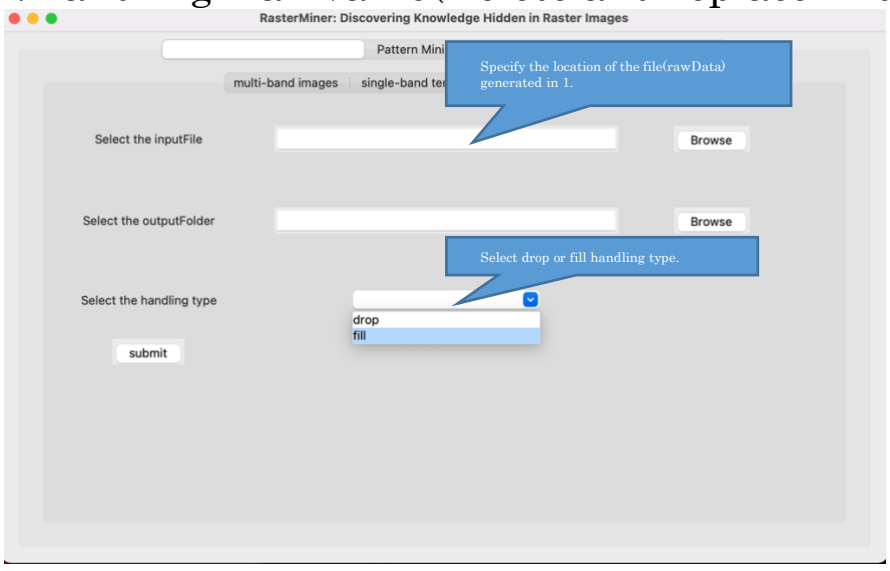
Convert RasterData to tsv file

1. Create the TSV file from multi-band images or single images.



The following files are generated under the specified directory.

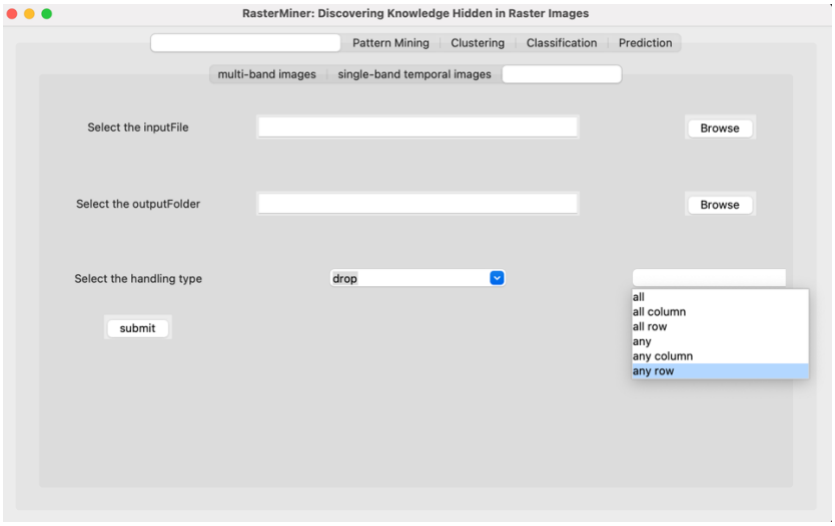
2.Handling Nan value(Delete and replace missing values.)



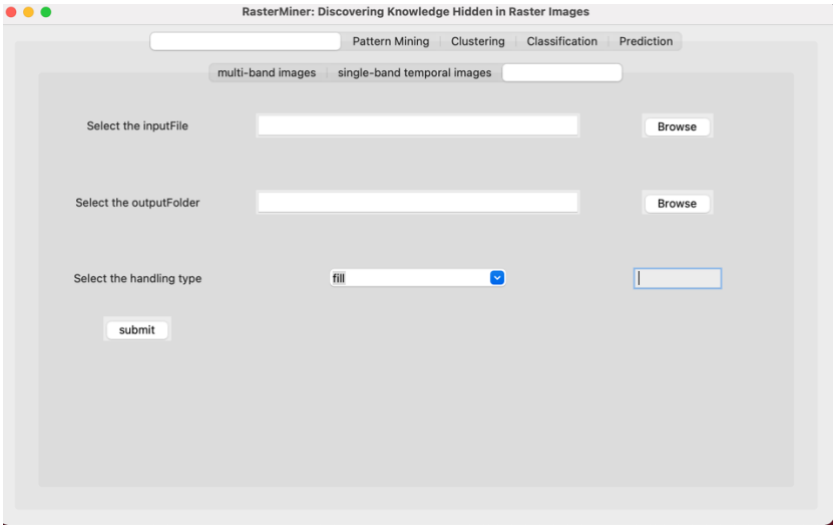
In DROP type, the following types are available.

- 'any' : If any NA values are present, drop that row or column.

- 'all' : If all values are NA, drop that row or column.



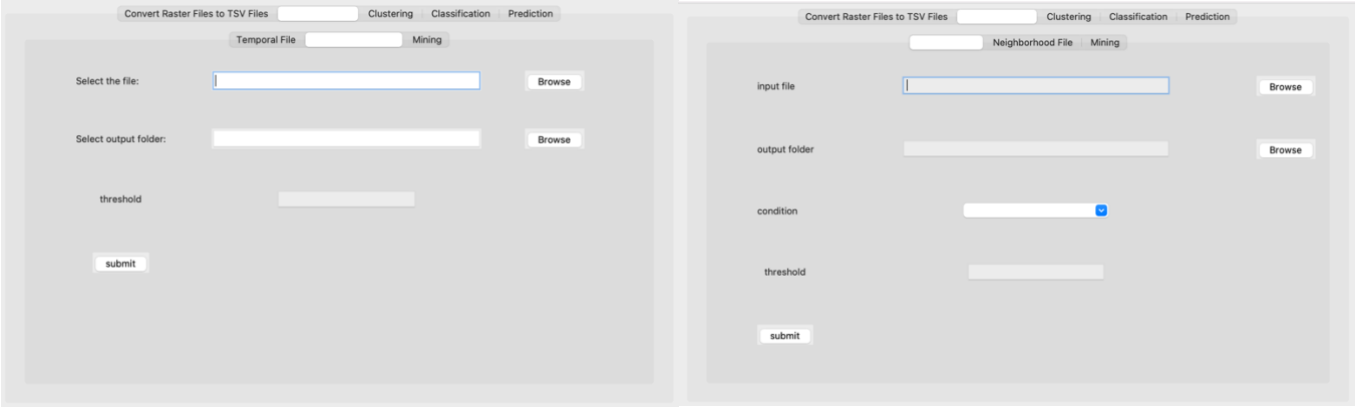
The FILL type replaces the NA value with the number you put in the blank.



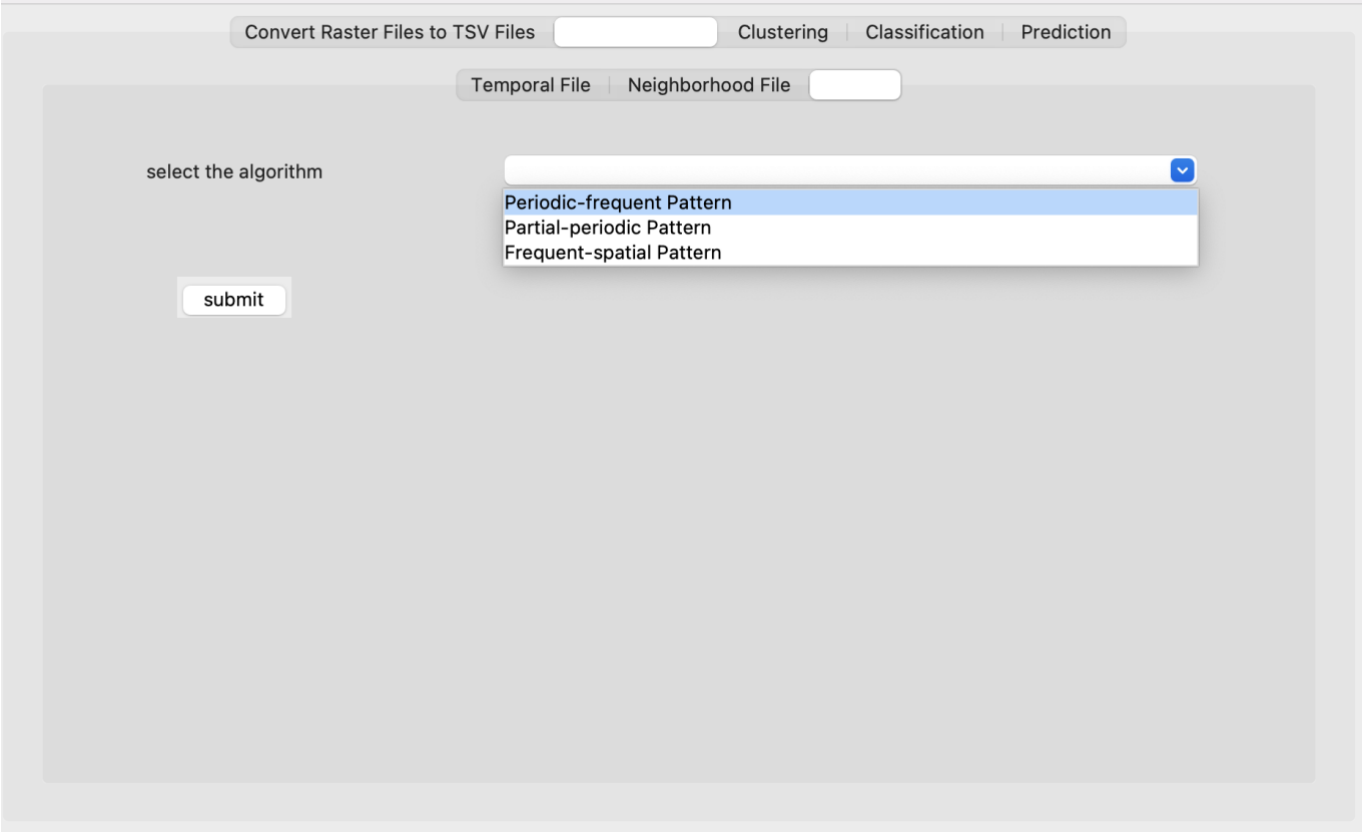
The following files are generated.

Pattern Mining

Temporal and neighborhood files can be created from spatial data.

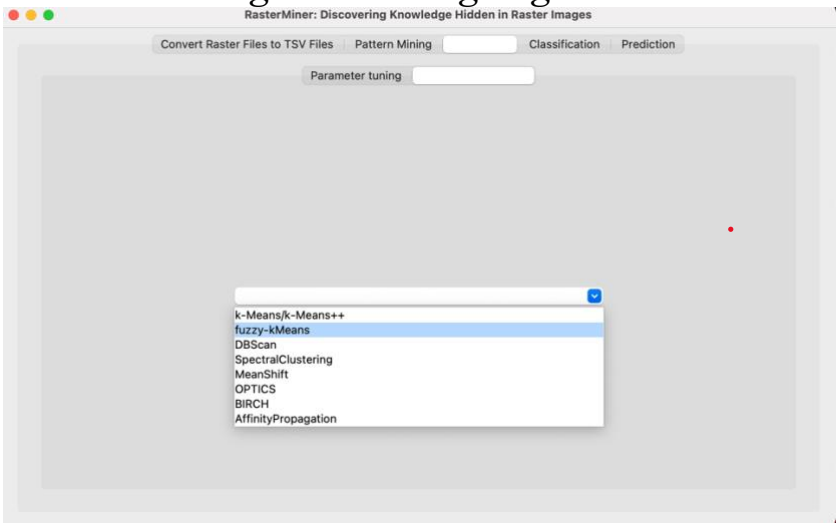


The following are available pattern mining algorithms



Clustering

The following clustering algorithms are currently available.



This is a screen shot of the kMeans algorithm.
You can browse "help" for more information on the parameters.