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# **Spiral Organiser Documentation**

***Release 0.0.1***

**Spiral Organiser Team**

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Spiral Organiser is an algorithm that makes datasets more classify-able for Support Vector Machines



## SOURCE CODE

`spiralOrg.dataclean(data, features=[])`

Takes the dataset and the feature list to run SVM on with the class-label included. generates a NxN numpy.ndarray depending upon the size of the dataset passed.

`spiralOrg.organise(data, features=[], threshold='stdev')`

Spiral organiser. takes the dataset, feature list to run SVM on and the threshold value threshold can be any of the following:

- mean
- median
- stdev (standard deviation)

Threshold refers to the threshold value with which we swap the rows.





## PROJECT SUMMARY

### 2.1 Goals

- Encourage the usage of Linear SVM as it has less time complexity
- Speedup SVM using GPU



## **SPIRAL ORGANISER TUTORIAL**

Tutorial will go here



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