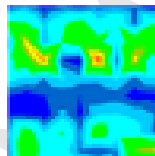


# ADAMS

Advanced **D**ata mining **A**nd **M**achine learning **S**ystem

Module: adams-heatmap



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# Chapter 1

## Introduction

According to Wikipedia [2], a “heat map is a graphical representation of data where the individual values contained in a matrix are represented as colors.”





## Chapter 2

# Flow

The following conversions are available:

- *BufferedImageToHeatmap* – turns a *BufferedImage* into a heat map, using the RGB values (but not alpha).
- *HeatmapToArray* – generates a double array from a heat map.
- *HeatmapToBufferedImage* – generates an image from heat map.
- *HeatmapToSpreadSheet* – converts the heat map into a spreadsheet object.
- *SpreadSheetToHeatmap* – creates a heat map from an all-numeric spreadsheet.

The following transformers are available:

- *HeatmapFileReader* – reads a heat map from disk with a specified reader.
- *HeatmapFileWriter* – writes a heat map back to disk with a custom writer.
- *HeatmapFilter* – transform a heat map using a filter.
- *HeatmapInstanceGenerator* – turns a heat map into a WEKA instance.

The following sinks are available:

- *HeatmapDisplay* – displays a heatmap.



# Bibliography

- [1] *ADAMS* – Advanced Data mining and Machine learning System  
<https://adams.cms.waikato.ac.nz/>
- [2] *Heat map* – Wikipedia article  
[http://en.wikipedia.org/wiki/Heat\\_map](http://en.wikipedia.org/wiki/Heat_map)