



## HeatMapImage Documentation

**Module name:** HeatMapImage  
**Description:** Creates a heat map from a dataset  
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**Release:** 1.0

Creates a jpeg, png, tiff, or bmp heat map image or eps (encapsulated postscript) from a dataset.

### Parameters:

Name	Description	Choices
input.filename	The input file	
output.file	The output file name	
output.file.format	The output file format	jpeg, bmp, png, tiff, eps
column.size	The size in pixels of an element along the x axis	
row.size	The size in pixels of an element along the y axis	
grid	Whether to draw a grid between elements	yes, no
grid.color	The grid color (r:g:b triplet)	
row.annotations	Whether to draw row annotations	yes, no

**Return Value:** An R list with components:

1. The heat map image.
2. Stderr: the "stderr" text output from running the program.

### Platform dependencies:

**Task type:** Image Creators  
**CPU type:** any  
**OS:** any  
**Java JVM level:** 1.4  
**Language:** Java  
**Support files:** broad-cg.jar, jakarta-oro-2.0.8.jar, trove.jar, Jama-1.0.1.jar, jai\_core.jar, jai\_codec.jar

**Native command line:** `<java> -Djava.awt.headless=true <java_flags> -cp <libdir>HeatMap.jar<path.separator><libdir>broad-cg.jar<path.separator><libdir>jakarta-oro-2.0.8.jar<path.separator><libdir>trove.jar<path.separator><libdir>Jama-1.0.1.jar<path.separator><libdir>jai_core.jar<path.separator><libdir>jai_codec.jar edu.mit.broad.modules.heatmap.HeatMap <input.filename> <output.file> <output.file.format> -cw <column.size> -rw <row.size> -norm <normalization> -grid <grid> -gridcolor <grid.color> -ra <row.annotations>`