# HeatmapGenerator5 Manual

## Mac OS X Tips:

HeatmapGenerator5 is designed for Mac OS 10.8+ (Mountain Lion or above).  However, it may (or may not) work with older versions of the Mac operating system.

Make sure that R is already installed on your computer from http://cran.rstudio.com/.  Then:

1) When creating your first heatmap (e.g., by using the sample EXAMPLE.txt file provided to you with this download), please be patient while HeatmapGenerator5 automatically installs everything you need.  Speed of installation depends on speed of your Internet connection.  Your second heatmap (and all future heatmaps) will be made much quicker the next time around.

2) When running HeatmapGenerator5, please keep all files (e.g., .txt files, heatmaps, Info.plist file, logo file, etc) housed inside the downloaded HeatmapGenerator5 folder at all times.  When a heatmap gets created, it gets automatically placed into your HeatmapGenerator5 folder for easy access.
- A .jpg heatmap file *always* gets generated by HeatmapGenerator5 (these .jpg files are the magic behind HeatmapGenerator5's unlimited database system).
- If the .png option is specified, a .png AND .jpg file are created.
- If the .jpg option is specified, only a .jpg file is created.
- If no option is specified under "Save Image As", a .jpg image AND a high-quality publication resolution .tif (TIFF image format) is created.
- When using/printing heatmaps, go to your HeatmapGenerator5 folder and double-click on the heatmap file(s).  DO NOT try printing the automatic pop-up that displays once a heatmap is created.  This pop-up merely serves to show your output in real-time; high-quality images of it are automatically deposited to your folder for easy access.

3) As of HeatmapGenerator5, input files no longer need to be strictly tab-delimited.  They can now be any mixture of spaces/tabs, which frequently happens when copy-pasting your data matrix from an Excel spreadsheet to a .txt file.

4) After you have made your heatmap(s), the next time you log back into HeatmapGenerator5 you will see all your previously generated heatmap(s).