Parcellation statistics

1. Describtion of the parcellations

All parcellations were generated from the same mergefile, which used aparc.a2009s_custom. aparc.a2009s_custom was created from the original Destrieux by splitting the G_front_sup label into a medial and lateral label. This was done using brute force: the RAS-point with largest S-coordinate was found, and this R-value was used as a limit, so it's not exactly clear split.

2. Summary

Here are some summary stats for the different parcellations generated by the divide_parcellation.py.

In the statistics (mean, median, std), we have ignored 'Unknown' labels and the label(s) 'G_subcallosal+S_pericallosal+G_cingul-Post-dorsal+G_cingul-Post-ventral_subX' around it.

| Target ROI size (mm2)	Number of labels (lh/rh)		Mean (lh/rh)		Median (lh/rh)		Standard deviation (lh/rh)	
700	82	83	685	671	711	671	151	158
800	70	69	809	815	811	817	165	163
900	63	63	905	883	921	878	190	185
1000	59	57	954	981	951	971	199	232
1100	55	55	1027	1019	1051	1043	225	245

3. Notes

In 1000mm2 parcellation, the difference in labels occurs because the label sizes differ between right and left hemisphere just enough to cause the 2 label difference. However, the mean and median are closer to the target size than in 1100mm2 parcellations.

Histograms of the label sizes and pictures of the parcellations are included on the next pages.
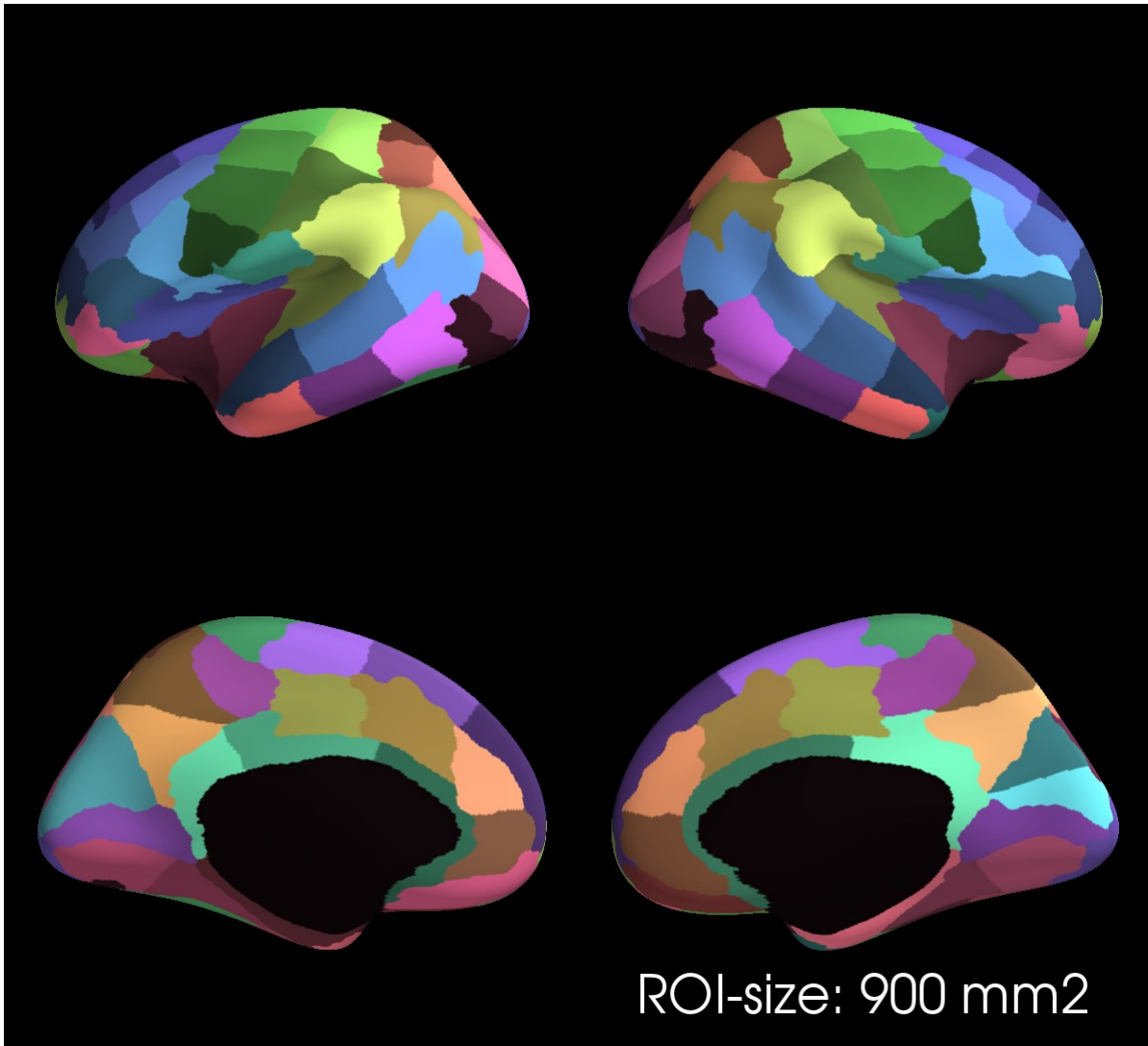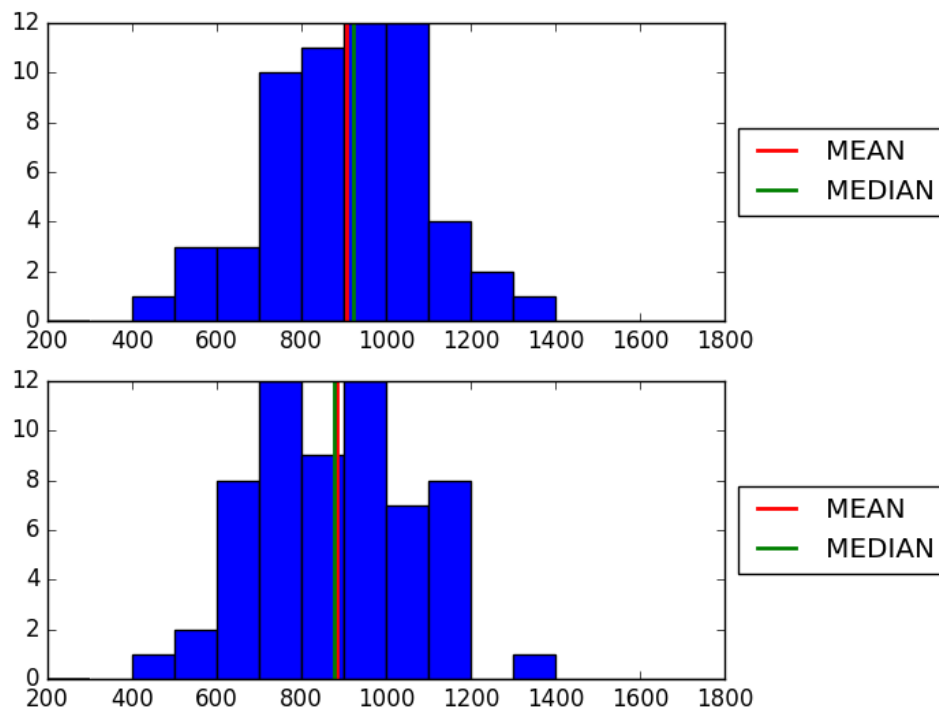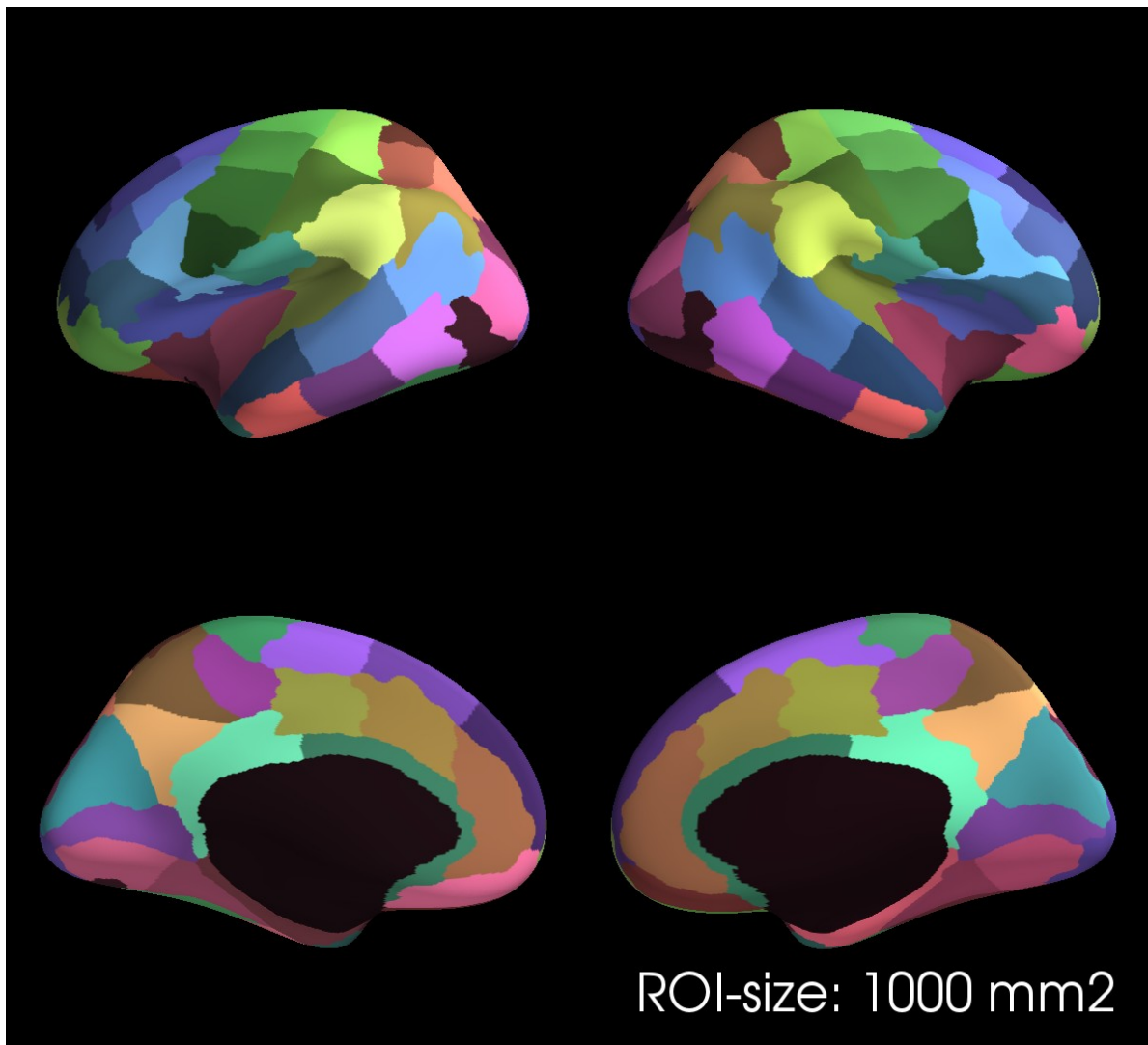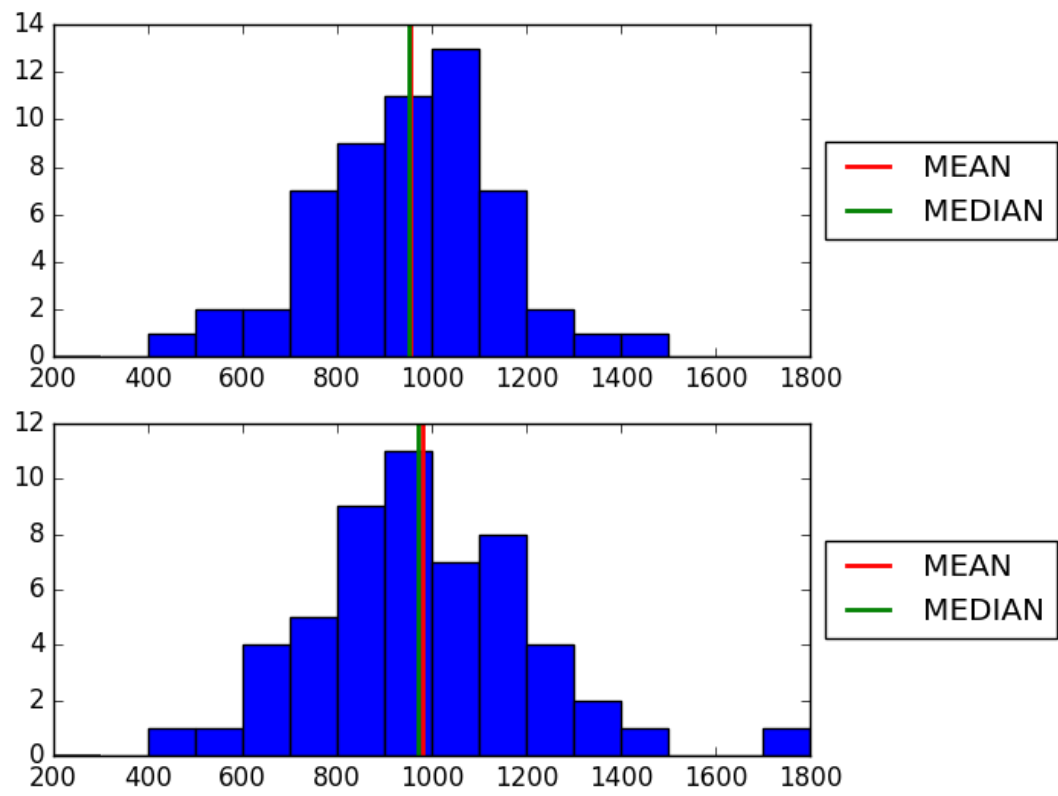
aparc.a2009s_custom_merged_sub_PCA_gs_cust_700mm2

ROI-size: 700 mm2
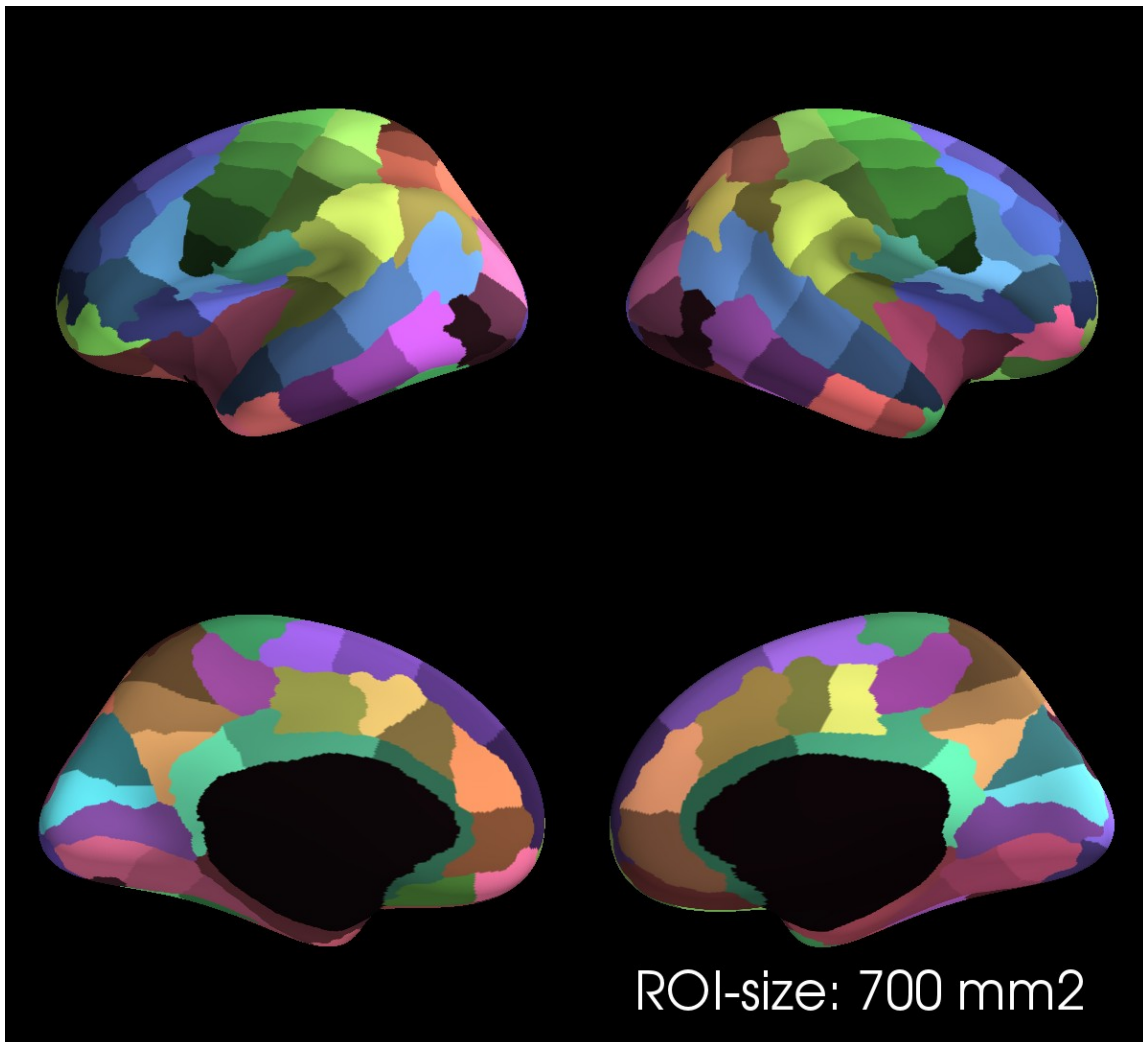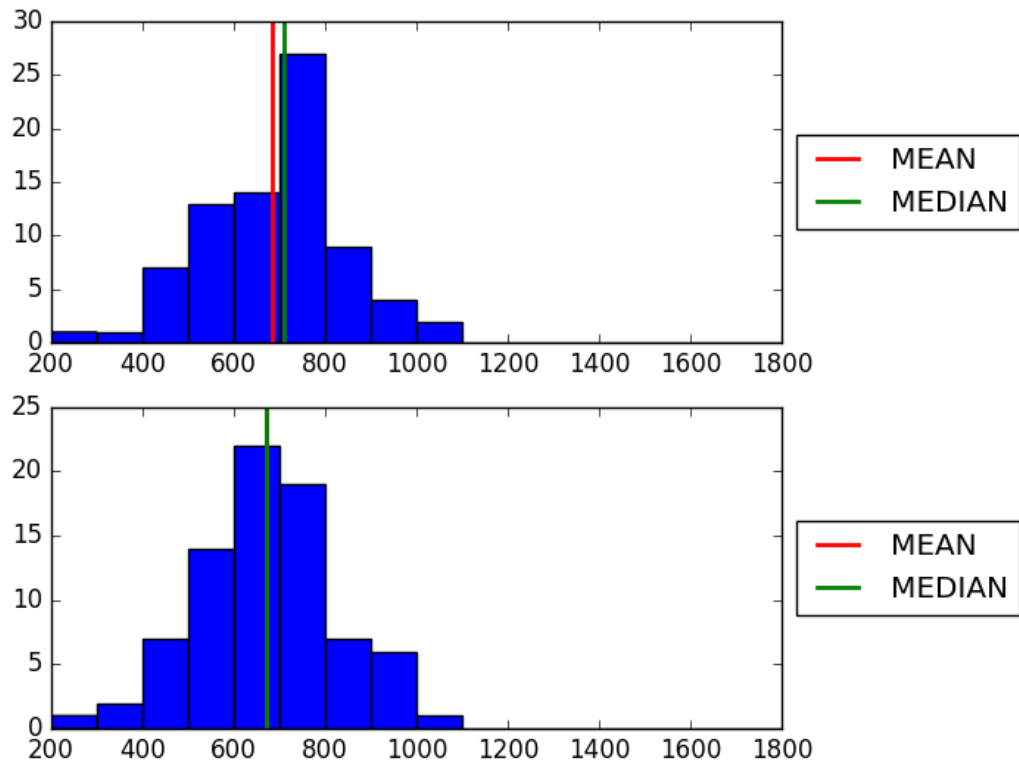
aparc.a2009s_custom_merged_sub_PCA_gs_cust_800mm2

ROI-size: 800 mm2
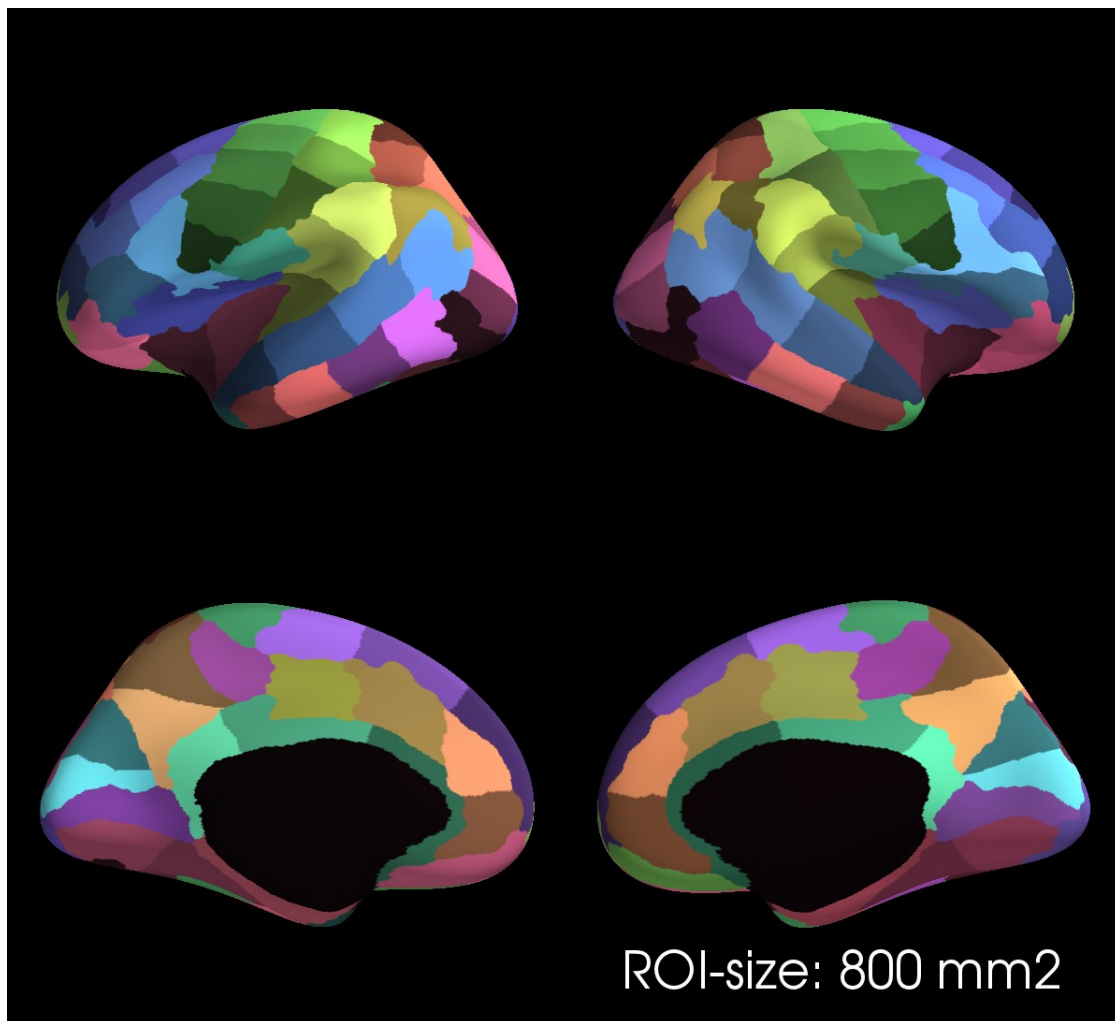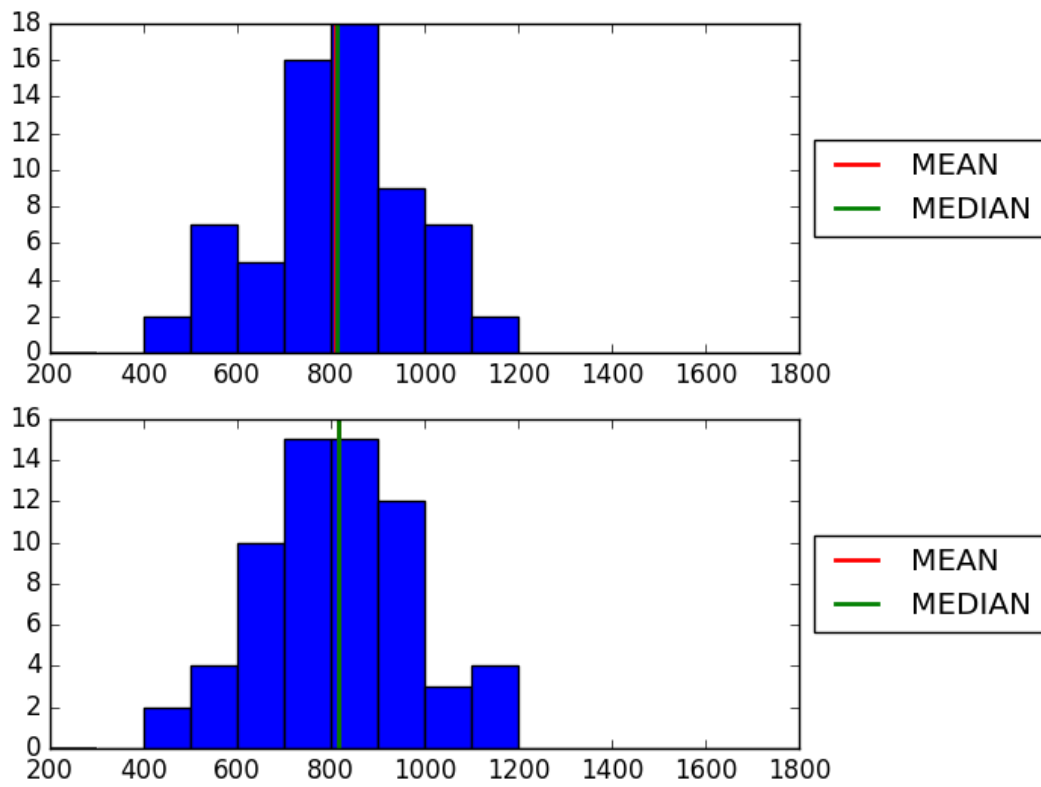
aparc.a2009s_custom_merged_sub_PCA_gs_cust_900mm2

ROI-size: 900 mm2

aparc.a2009s_custom_merged_sub_PCA_gs_cust_1000mm2

ROI-size: 1000 mm2

aparc.a2009s_custom_merged_sub_PCA_gs_cust_1100mm2

ROI-size: 1100 mm2