Correction to: Topographic Mapping of Parietal Cortex

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Correction to:

Chapter “Topographic Mapping of Parietal Cortex” in: S. Pollmann, Neuromethods,
https://doi.org/10.1007/7657_2019_23

This chapter was inadvertently published with incorrect Tables 1 and 2. The correct presentation is given here.

Table 1

<pre># Create anatomy file and copy to output directory mri_convert \${subj_anat_dir}/brain.mgz \${subj_anat_dir}/mri/brain.nii 3dcopy \${subj_anat_dir}/mri/brain.nii \${subj}_anat_stripped+orig</pre>
<pre># Motion correct touch out.pre_ss_warn.txt foreach run(\$runs) 3dvolreg -verbose -zpad 1 -base pb00.\${subj}.r01.tcat+orig.'[2]' \ -1Dfile dfile.r\${run}.1D -prefix pb01.\${subj}.r\${run}.volreg \ -cubic pb00.\${subj}.r\${run}.tcat+orig end</pre>
<pre># Detrend foreach run(\$runs) 3dTstat -prefix tempMean pb01.\${subj}.run\${run}.volreg 3dDetrend -prefix tempDetrend -vector dfile.r\${run}.1D \ -polort 2 pb01.\${subj}.r\${run}.volreg+orig 3dcalc -a tempDetrend+orig -b tempMean+orig -expr "(a+b)" -float \ -prefix pb02.\${subj}.r\${run}.detrended rm temp* end</pre>
<pre># Smoothing foreach run(\$runs) 3dmerge -1blur_fwhm 4.0 -doall -prefix pb03.\${subj}.r\${run}.smoothing \ pb02.\${subj}.r\${run}.detrend+orig end</pre>

(continued)

Table 1
(continued)

<p># Average</p> <pre> 3dcalc -a pb03.retina2.r01.smoothing+orig.HEAD \ -b pb03.retina2.r02.smoothing+orig.HEAD \ -c pb03.retina2.r03.smoothing+orig.HEAD \ -d pb03.retina2.r04.smoothing+orig.HEAD \ -expr '(a+b+c+d)/4' -prefix average.ret </pre>
<p># Automask and remove mean</p> <pre> 3dcopy average.ret AFNI_pRF+orig.BRIK 3dTstat -mean -prefix AFNI_pRFmean AFNI_pRF+orig.BRIK 3dAutomask -prefix automask AFNI_pRF+orig.BRIK 3dcalc -a AFNI_pRF+orig. -b AFNI_pRFmean+orig. -c automask+orig. \ -expr '100*c*(a-b)/b' -prefix e.scale.demean </pre>
<p># Run model</p> <pre> 3dNLFim -input e.scale.demean+orig -mask automask+orig -noise Zero \ -signal Conv_PRF -sconstr 0 -10.0 10.0 \ -sconstr 1 -1.0 1.0 \ -sconstr 2 -1.0 1.0 \ -sconstr 3 0.0 1.0 \ -BOTH -nrand 10000 -nbest 5 -bucket 0 Buckslow.PRF -snfit snfitslow.PRF 3dcalc -a Buckslow.PRF+orig.[1] -b Buckslow.PRF+orig.[2] -expr 'sqrt(a^2+b^2)' \ -prefix polarslow.m 3dcalc -a Buckslow.PRF+orig.[1] -b Buckslow.PRF+orig.[2] -expr 'atan2(a,-b)' \ -prefix polarslow.ph 3dbucket -glueto Buckslow.PRF+orig. polarslow.m+orig. polarslow.ph+orig. </pre>

Table 2

<pre> # Deoblique and align to epi 3dWarp -prefix Buckslow.PRF_warped+orig -deoblique Buckslow.PRF+orig 3dWarp -prefix PRF_mc_warped+orig -deoblique pb01.\${subj}.r01.volreg+orig align_epi_anat.py -anat \${subj}_anat_stripped+orig -anat_has_skull no \ -epi PRF_mc_warped+orig -epi_strip 3dAutomask -cost lpc+ZZ \ -multi_cost nmi lpa -suffix _al2epi -epi_base 48 -prep_off </pre>
<pre> # Align to SUMA @SUMA_Make_Spec_FS -NIFTI -fspath \${subj_anat_dir}/ -sid \${anat_subj} @SUMA_AlignToExperiment -wd -exp_anat anat_stripped_al2epi+orig.BRIK \ -surf_anat \${subj_anat_dir}/SUMA/\${anat_subj}_SurfVol+orig. \ -align_centers -strip_skull surf_anat \ -prefix \${anat_subj}_SurfVol_ns_centre_AInd_Exp foreach hemi (lh rh) 3dVol2Surf -spec \${subj_anat_dir}/SUMA/std.141.\${anat_subj}_\${hemi}.spec \ -surf_A smoothwm -surf_B pial \ -sv \${anat_subj}_SurfVol_ns_centre_AInd_Exp+orig \ -grid_parent \$output_dir/Buckslow.PRF_warped+orig \ -oob_value 0-map_func ave -f_steps 10 -f_index nodes. \ -out_niml std_\${hemi}_Buckslow.PRF_warped+orig.BRIK.niml.dset end </pre>

Also, the chapter has been published without updating the following correction:

p. 12, First paragraph last sentence has been amended to ‘Here I have inverted the left hemisphere so that the colors in both hemispheres represent the same locations vertically.’