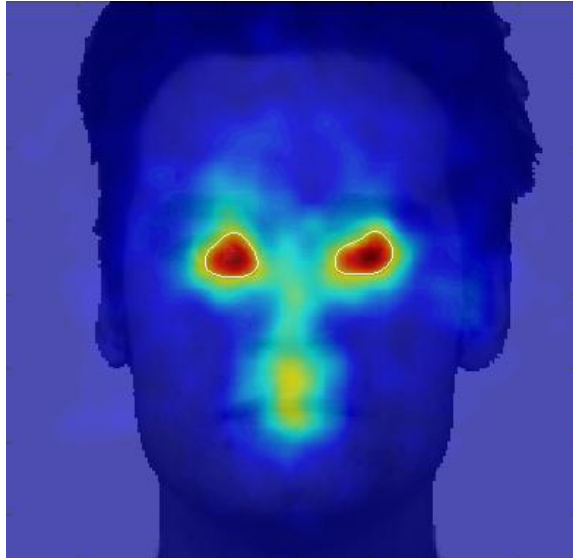


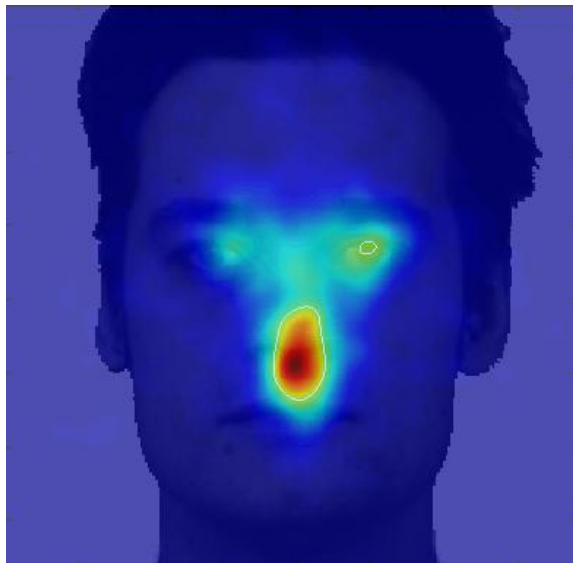
iMap1_1 Output for Caldera & Miellet (2011) Example 1(a)

imap1_1(382,390,6,7,5,1,[2 3 8 12 13 18],[22 23 24 32 33 34],10,1,1,'facebackground.tif')

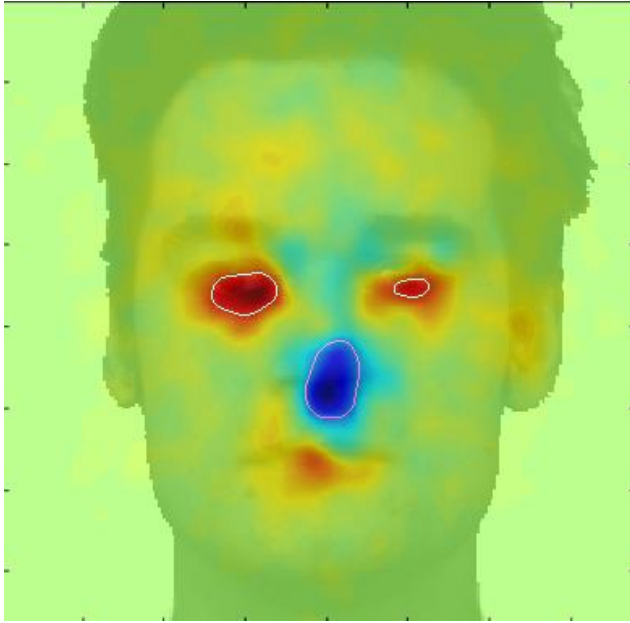
Worsley's Pixel Test Results



dataset1picedge.tiff - Significant areas surrounded by “white” borders for fixation data collected from White Caucasians (dataset #1) based upon the Stat3Ci's RFT Pixel Test.

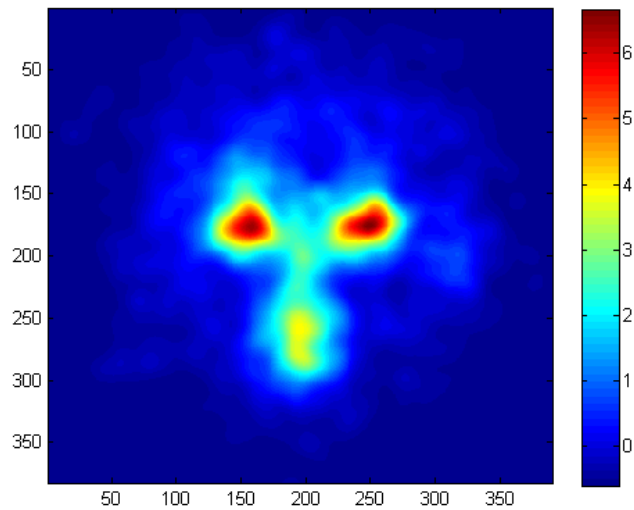


dataset2picedge.tiff - Significant areas surrounded by “white” borders for fixation data collected from East Asians (dataset #2) based upon the Stat3Ci's RFT Pixel Test.

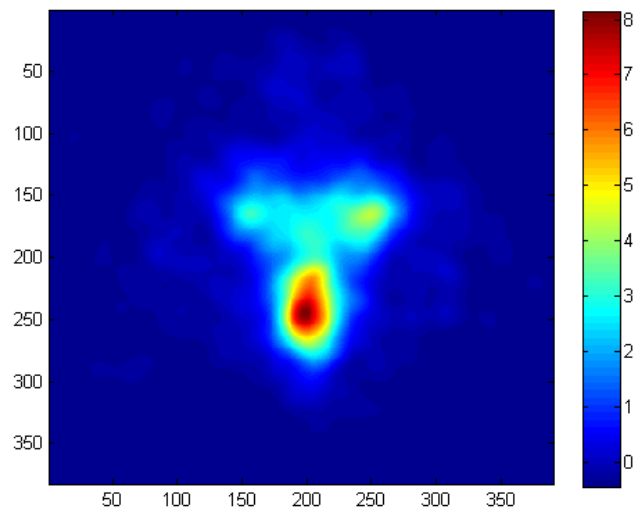


diffpicedge.tiff - Significant areas (bonded by white border) for difference-between-maps observed for the WC versus EA groups.

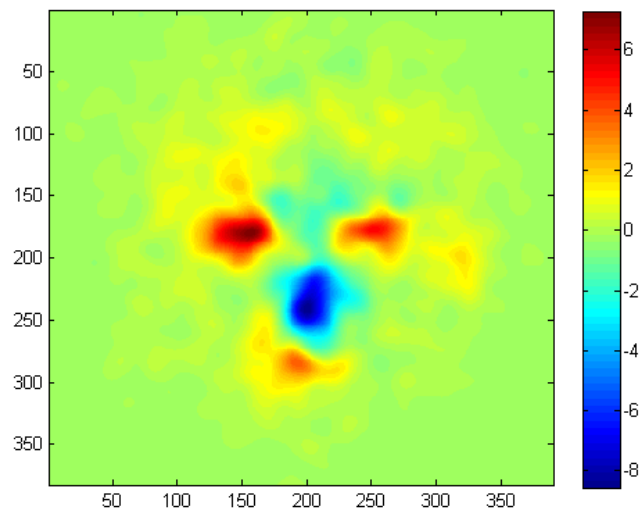
Z-score Transformations of Group Fixation Maps



dataset1map.tif - Z-score transformed group fixation map for Western Caucasians (dataset #1).
 Z_{crit} (one-tailed) = 3.879 {Reported to MATLAB console and in **Zcrit.txt** file}



dataset2map.tif - Z-score transformed group fixation map for East Asians (dataset #2).



Zmapdiff.tif - Z-score transformed group-difference fixation map (dataset1 map – dataset2 map) .

Zcrit.txt Critical values of Z-test ($p < 0.05$)

Search area Size	Group Fixation Map (one-tailed)	Difference Map (2-tailed)
-----	-----	-----
148980	4.07	4.25

Eye Movement Summary Statistics

eyebasicdataset1.txt

Eye movement statistics for each subject specified in dataset #1 [2 3 8 12 13 18]

Number of Fixations	Total Fixation Duration	Mean Fixation Duration	Path Length	Mean Saccade Length
-----	-----	-----	-----	-----
32.21429	8.285143	0.2594336	1704.092	53.27633
27.87097	5.932745	0.2136969	1699.69	61.15729
30.64286	8.592048	0.2815413	1853.612	60.41489
31.46429	7.943042	0.2555753	1498.454	48.04252
30.85714	5.491517	0.1774882	2358.632	76.70795
30.25	8.691386	0.2886074	1911.376	63.15603

eyebasicdataset2.txt

Eye movement statistics for each subject specified in dataset #2 [22 23 24 32 33 34]

Number of Fixations	Total Fixation Duration	Mean Fixation Duration	Path Length	Mean Saccade Length
-----	-----	-----	-----	-----
26.24138	6.852464	0.2630601	1418.689	54.28954
29.57143	8.508705	0.2883042	1353.685	45.68195
32.17857	7.767415	0.2430349	1735.857	53.89937
27.17857	7.156874	0.2656052	1597.986	58.76391
29.21429	8.864948	0.3047804	1188.579	40.6928
30	7.762343	0.2597983	1608.74	53.84988

Zscore.txt

Mean Z-score for significant pixels in bounded areas of dataset1map1.tif and dataset2map.tif

		Dataset1		Dataset2	
Dataset1	Dataset2	Area 1	Area 2	Area 1	Area 2
-----	-----	-----	-----	-----	-----
5.161529	5.613402	5.008122	2.316259	1.727833	6.006322

cohend.txt

Cohen's 'd' for differences between group fixation maps.

Area 1	Area 2
-----	-----
1.701865	-1.78062

eyereadataset1.txt

Averages of eye tracking measures for significant and non-significant areas in dataset1

Mean Fixation Duration (sec)			Path Length (pixels)			Total Fixation Duration			Number of Fixations		
Area 1	Area 2	Residual	Area 1	Area 2	Residual	Area 1	Area 2	Residual	Area 1	Area 2	Residual
0.3108479	0.2556015	0.2541173	88.95179	44.59932	65.03379	0.5823905	0.2583204	7.450294	1.785714	0.9285714	29.53571
0.2001913	0.2361437	0.2122622	41.7017	100.3137	90.01494	0.1155345	0.4123928	5.408224	0.6129032	1.677419	25.6129
0.3236444	0.2794297	0.2780207	203.8149	55.64809	91.71704	1.041886	0.2700501	7.287021	3.428571	0.9642857	26.28571
0.2855431	0.2367354	0.2545722	71.93825	36.01631	84.08578	0.474151	0.2363494	7.257452	1.607143	1.035714	28.85714
0.1790239	0.1735826	0.1773578	50.79695	47.14924	62.54949	0.1701998	0.1404646	5.184624	0.9642857	0.7857143	29.14286
0.3173538	0.3304977	0.2801195	185.0711	102.6773	88.81501	1.066379	0.5800718	7.052052	3.321429	1.785714	25.17857

eyereadataset2.txt

Averages of eye tracking measures for significant and non-significant areas in dataset2

Mean Fixation Duration (sec)			Path Length (pixels)			Total Fixation Duration			Number of Fixations		
Area 1	Area 2	Residual	Area 1	Area 2	Residual	Area 1	Area 2	Residual	Area 1	Area 2	Residual
0.2905491	0.2672385	0.2588216	76.29606	92.22594	130.1603	0.3983739	0.6081789	5.852782	1.344828	2.103448	22.82759
0.2520474	0.3153115	0.2793641	51.48845	299.6199	113.9218	0.2478663	2.22933	6.037395	0.9285714	7.035714	21.64286
0.2513098	0.235124	0.2428789	61.44127	72.00578	131.4145	0.2951237	0.2925653	7.184069	1.214286	1.214286	29.78571
0.2810003	0.2604649	0.2654955	40.02141	93.62467	125.5261	0.2068252	0.5145584	6.442607	0.75	1.928571	24.53571
0.3310948	0.3339209	0.2966664	18.62698	251.7102	98.55057	0.1250978	2.200035	6.554629	0.3928571	6.678571	22.17857
0.2622455	0.3025316	0.2567031	37.5851	123.5557	122.5474	0.2754436	0.6198881	6.874167	1	2.142857	26.89286