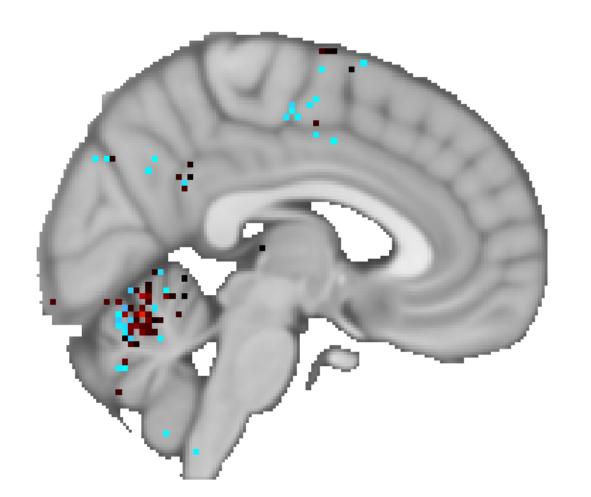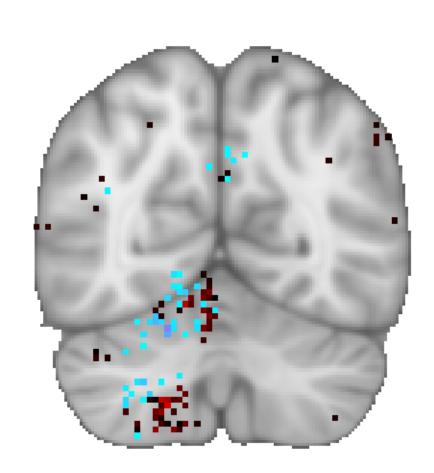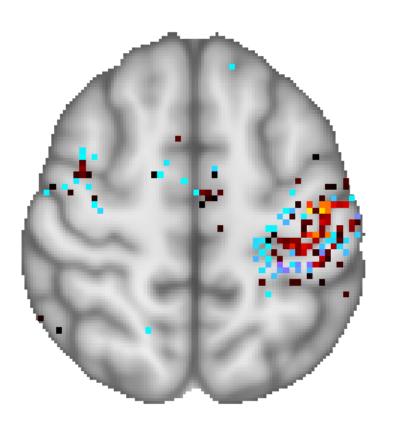handright_z_score