**Stage 2, Round 2 Review of *Neuroanatomical Correlates of System-justifying Ideologies: A Pre-registered Voxel-based Morphometry Study on Right-Wing Authoritarianism and Social Dominance Orientation***

I found the discussion of this paper interesting to read; the paper provides evidence of a more nuanced relationship between RWA and SDO than has previously been reported/theorised.

The authors have conducted a follow up atlas-based ROI analysis. I’m not sure which atlas(es) were used but the vmPFC ROI may have been included lateral and dorsal parts of the PFC as well – see my comments below.

The discussion & conclusion could incorporate the atlas-based ROI results more clearly (see my specific feedback below).

**Section 3.3.2, line 5**: To be completely clear, it should be specified that the correction referred to is FWE correction.

**Part 3.4 – the 20mm radius spherical ROI results**

In Section 3.4.1, this phrasing is used: ***“****associated with GMV in a cluster within a 20mm radius of the left amygdala“* . I find this phrasing very clear and unambiguous. I would recommend that all the ROI results in this section are reported in similar fashion. This way, it’s clear that the authors are not necessarily claiming that, e.g., the clusters shown in Fig 2b are in the amygdala.

**Part 3.5**

The atlas(es) used to make the atlas-based ROIs needs to be specified.

**Figure 6:** The cluster shown looks like it is in dorsolateral PFC, rather than ventromedial PFC ?

**Part 4 – Discussion**

As there have now been two separate ROI analyses conducted, it should be specified whether the spherical or atlas-based analysis is being referred to – e.g. in lines 11 to 15, I think the results referred to are from the spherical ROI analysis. Similar to my comment on Part 3.4, it might make for a clearer narrative if the spherical ROI results are reported as being “within a 20mm radius” as otherwise it seems like the findings summarised in lines 11 to 15 are contradicted on page 30 (lines 5 – 9).

**Page 29, paragraph 2 & page 30, paragraph 1:** While the authors have stated at the end of this paragraph that it is likely that the localisation method (i.e. spherical ROIs) may have inadvertently identified voxels beyond the amygdala, it would aid clarity if this was stated earlier.

Page 31, lines 12 & 13: Which atlas was used to create the atlas-based vmPFC ROI? As I mentioned above, the main cluster shown in Fig 6 appears too dorsal and lateral to be vmPFC.

Page 31, paragraph 2: While the authors have stated at the end of this paragraph (on page 32) that it is likely that the spherical ROIs localisation method may have inadvertently identified voxels beyond the left anterior insula, it would aid clarity if this was stated earlier.

**Part 5 – Limitations & future directions**

Page 32, line 17: there seems to be an incomplete sentence or typo here.

Page 33, line 2: If the radius of the spheres was 20mm, then their volume would be 30,000 mm3

**Part 6 - Conclusion**

Lines 9 – 12: It should be made clear that the spherical ROI clusters were not necessarily in the amygdala and left anterior insula.