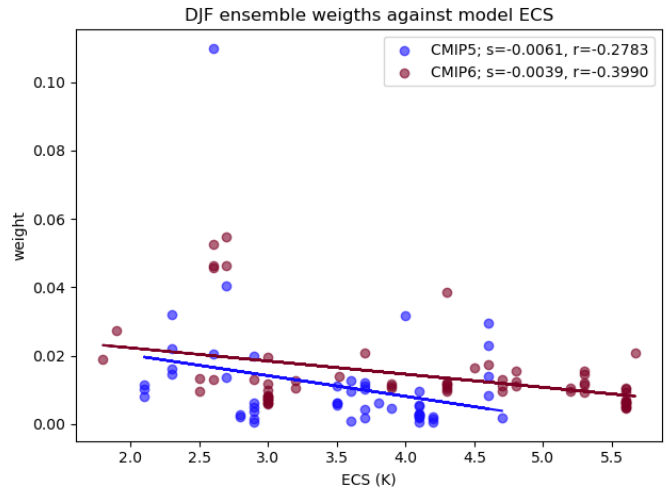
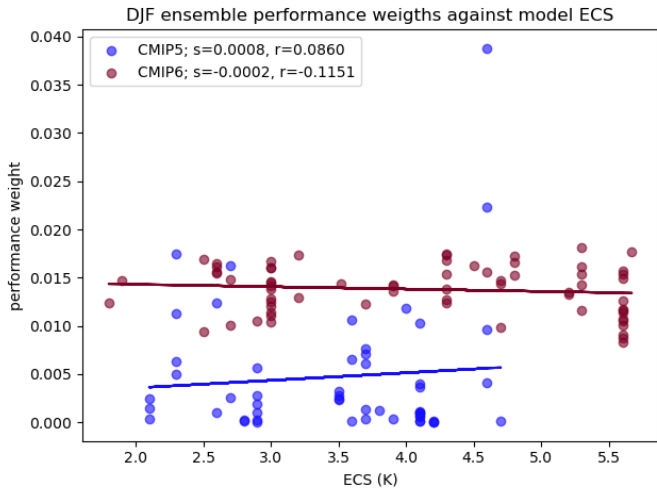
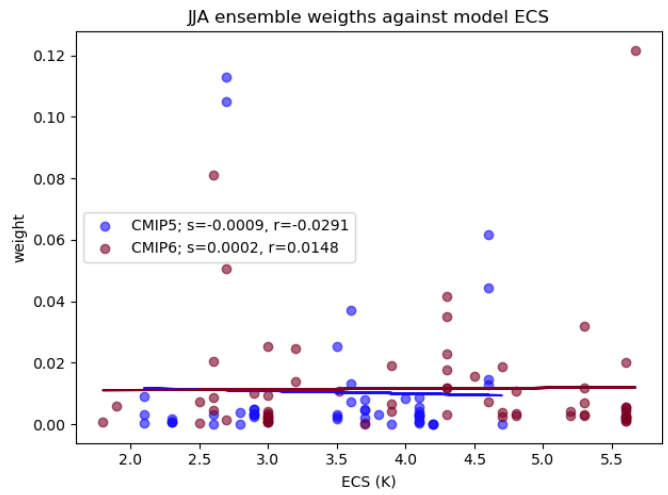
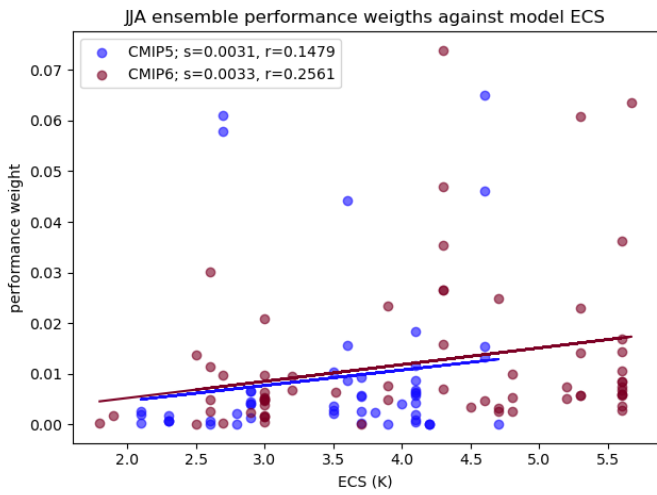


Figure 1: Scatter plot displaying the performance weights (left) and the full weights (right) against their 2081-2100 warmings with respect to 1986-2005 for DJF (a) and JJA (b). The boxplots represent the long-term warming distributions for weighted (darker colour) and unweighted (lighter colour) from the CMIP5 (blue) and CMIP6 (red) ensembles.



(a)



(b)

Figure 2: Scatter of the single-member relation between performance weight (left) and the full weight (right) against the model's ECS for DJF (a) and JJA (b). The least-squares linear regression fits are represented by the blue (CMIP5) and red (CMIP6) lines.