

Magnitude vs. SW Variables

03/12/21

Variables used:

- R - Sunspot Number
- ap - Geomagnetic Activity Index
- f10.7 - Measure of 10.7cm radiation emitted from Sun
- AE - Auroral Geomagnetic Activity Index
- AU - Upper boundary of recorded geomagnetic activity
- PCN - Polar Geomagnetic Activity Index
- Proton flux (energy \geq 2MeV)
- Proton flux (energy \geq 10MeV)
- Proton flux (energy \geq 30MeV)

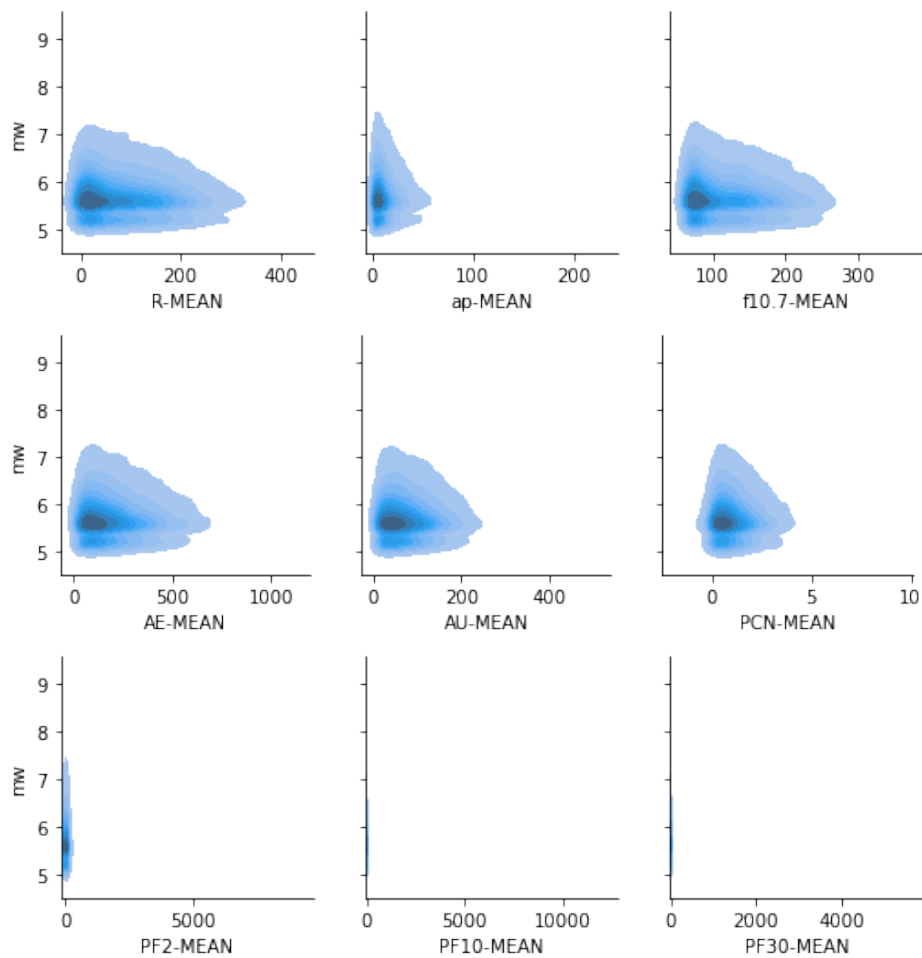


Figure 1: Variable Mean Density Plots

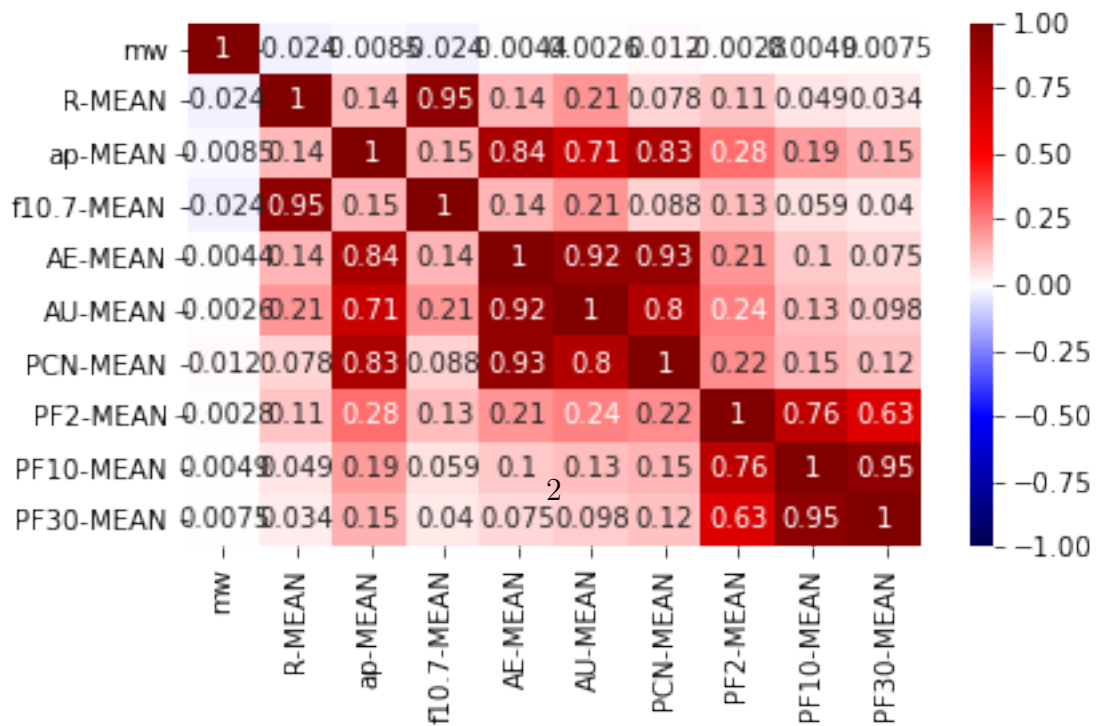


Figure 2: Variable Mean Correlation Matrix

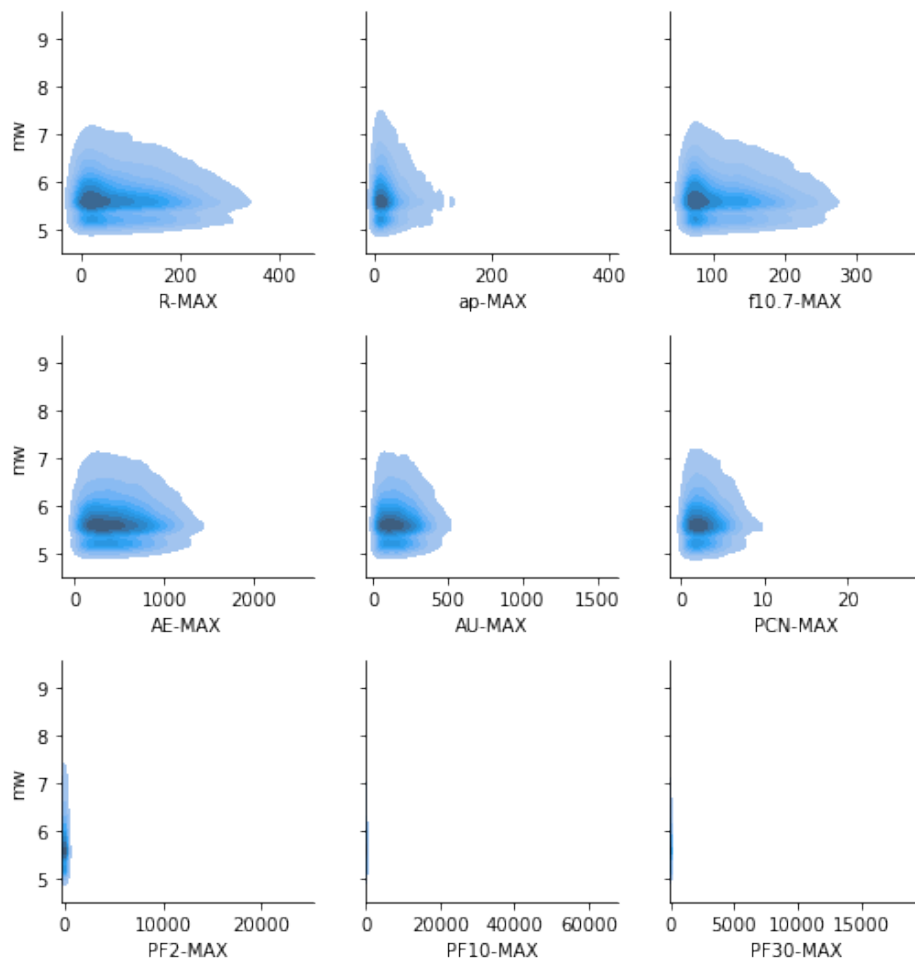


Figure 3: Variable Maximum Density Plots

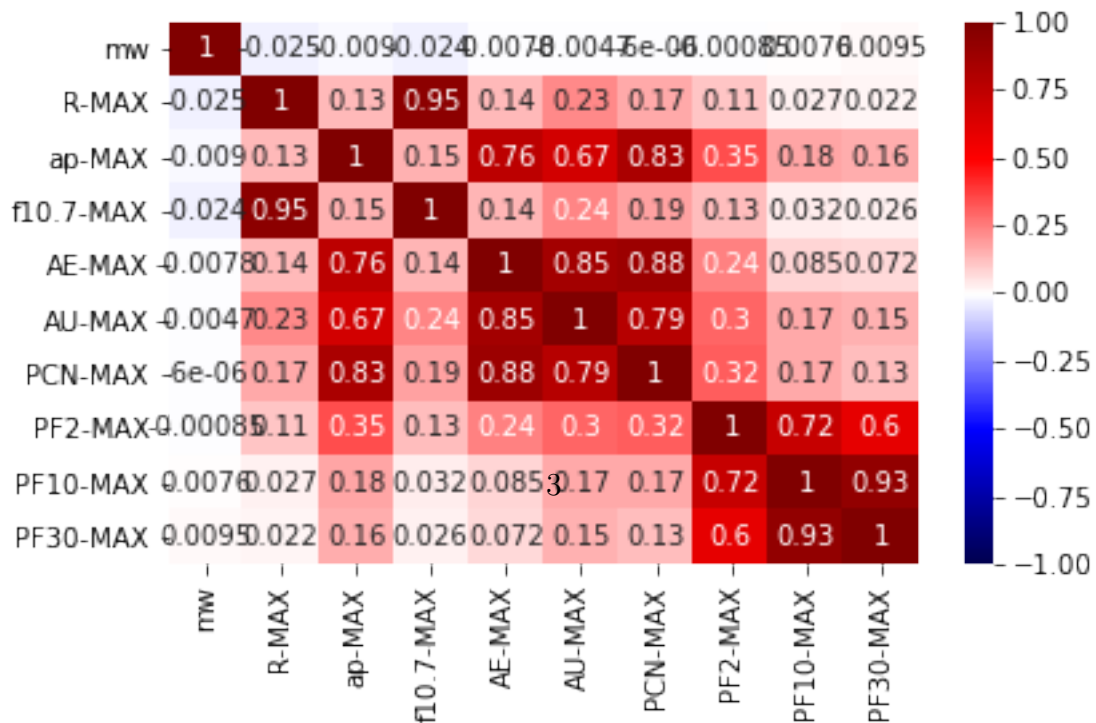


Figure 4: Variable Maximum Correlation Matrix

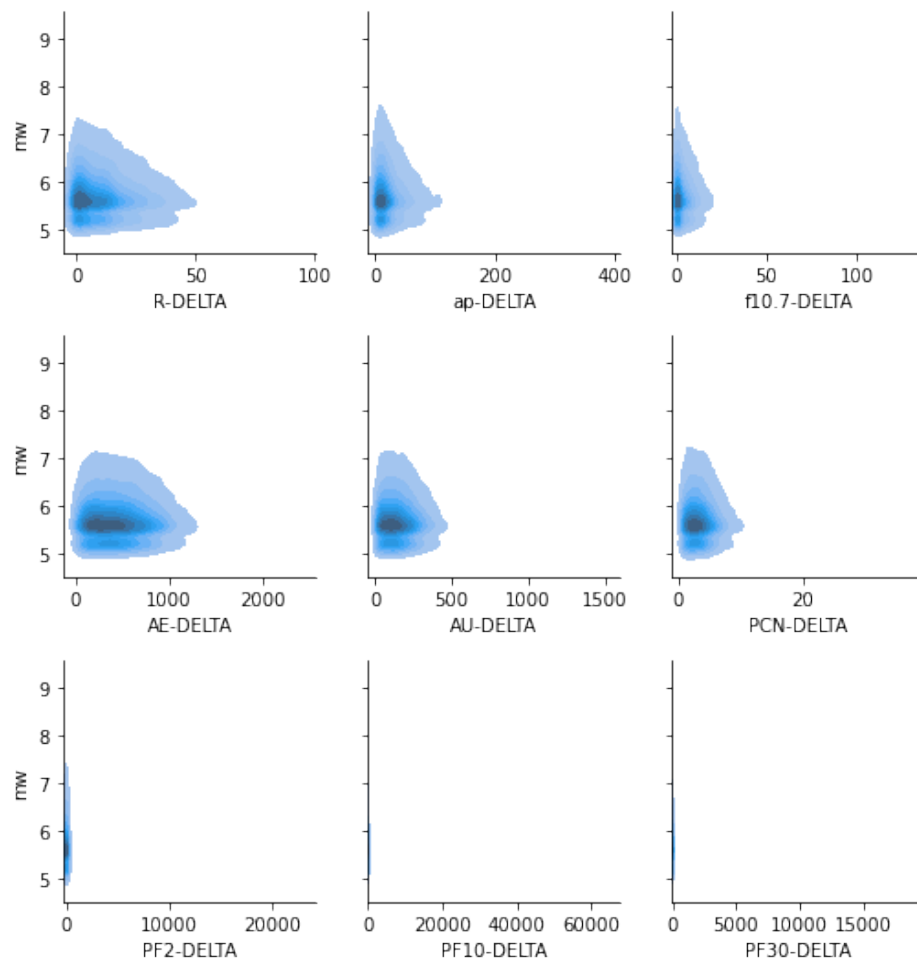


Figure 5: Variable Delta Density Plots

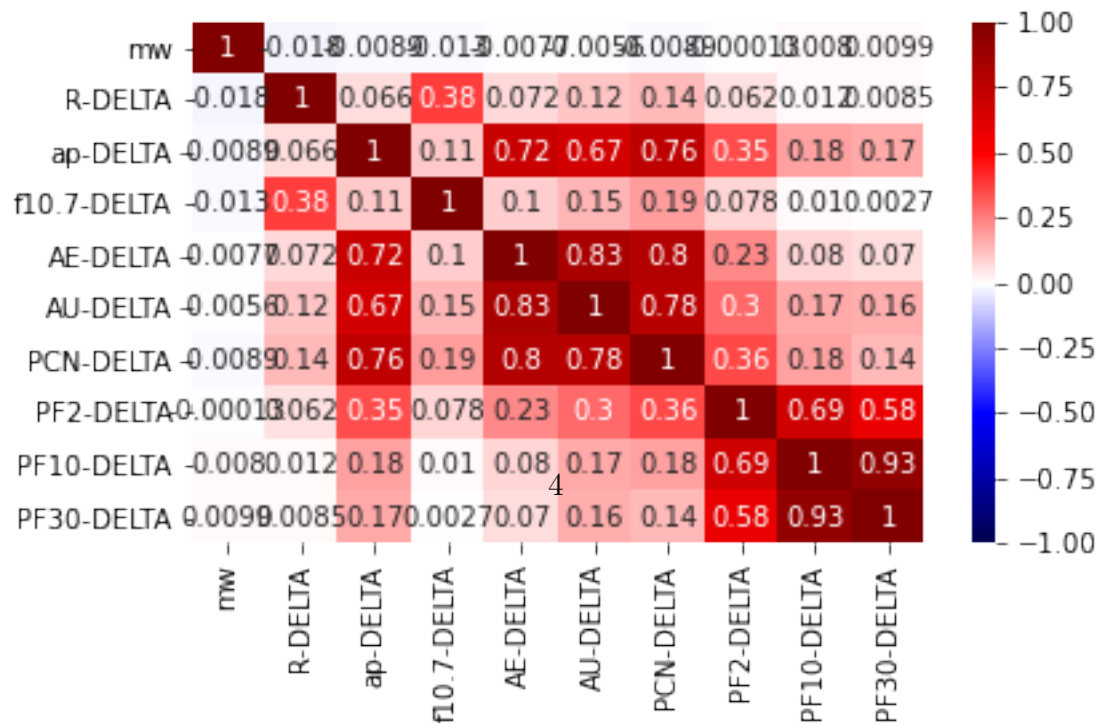


Figure 6: Variable Delta Correlation Matrix

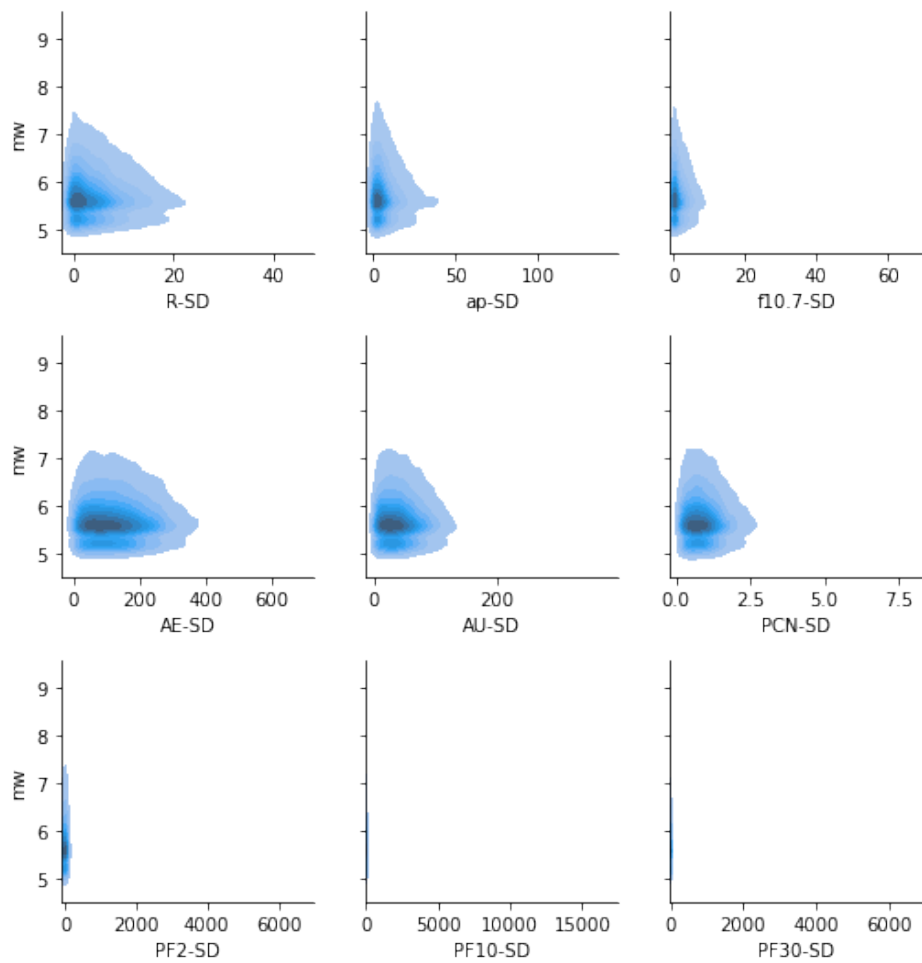


Figure 7: Variable Std. Dev. Density Plots

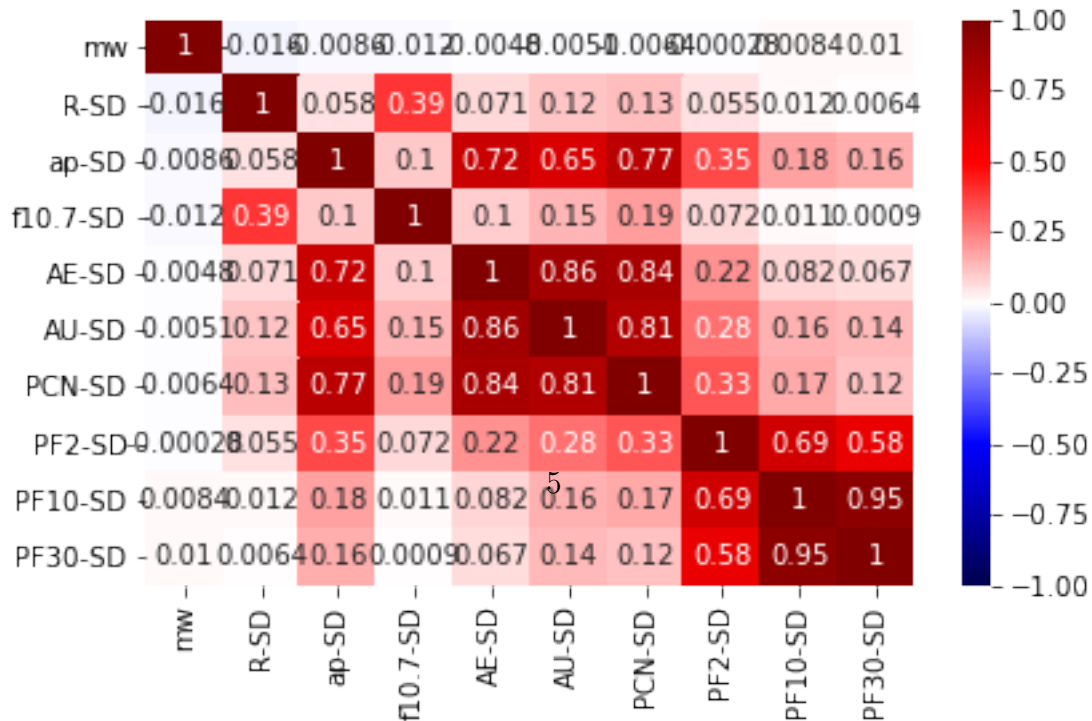


Figure 8: Variable Std. Dev. Correlation Matrix