

Magnitude vs. SW Variables

03/12/21

Variables used:

- BxGSE - Magnetic Field x-component
- ByGSE - Magnetic Field y-component
- BzGSE - Magnetic Field z-component
- NaNp - Alpha/Proton Ratio
- PB - Plasma Beta
- AMN - Alfven mach number
- MMN - Magnetosonic mach number
- LyAlp - Lyman-Alpha number
- F - Magnetosonic flux flag

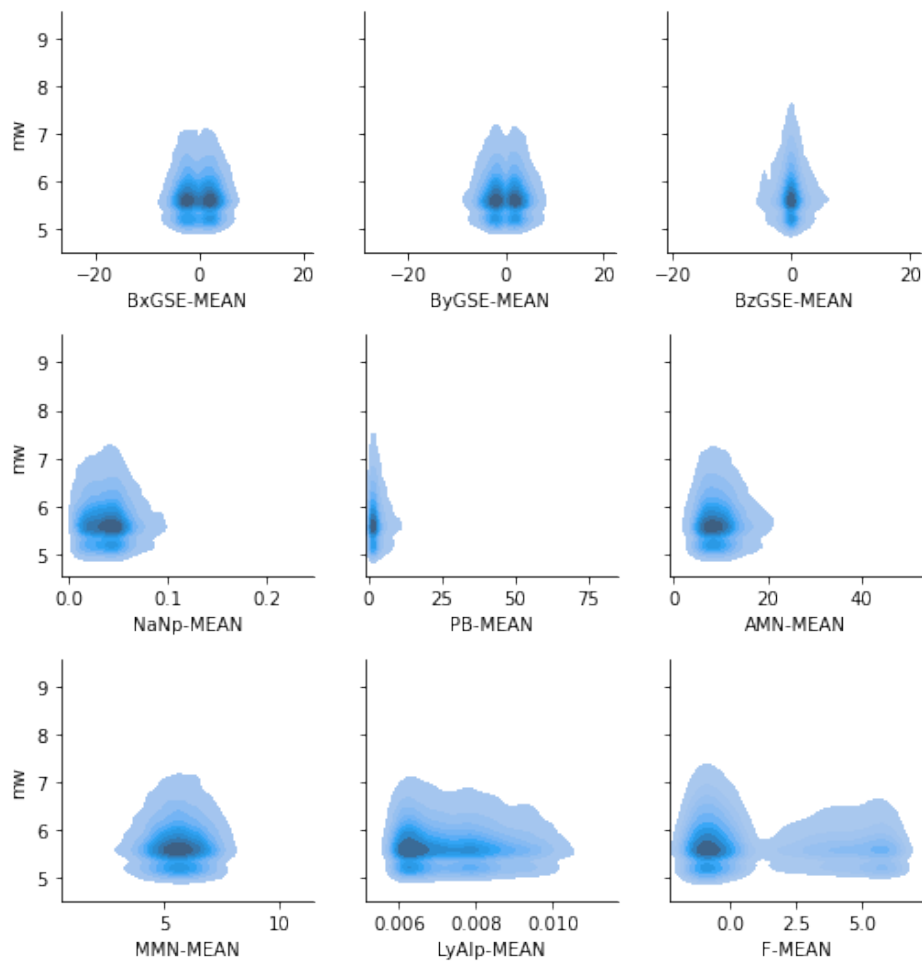


Figure 1: Variable Mean Density Plots

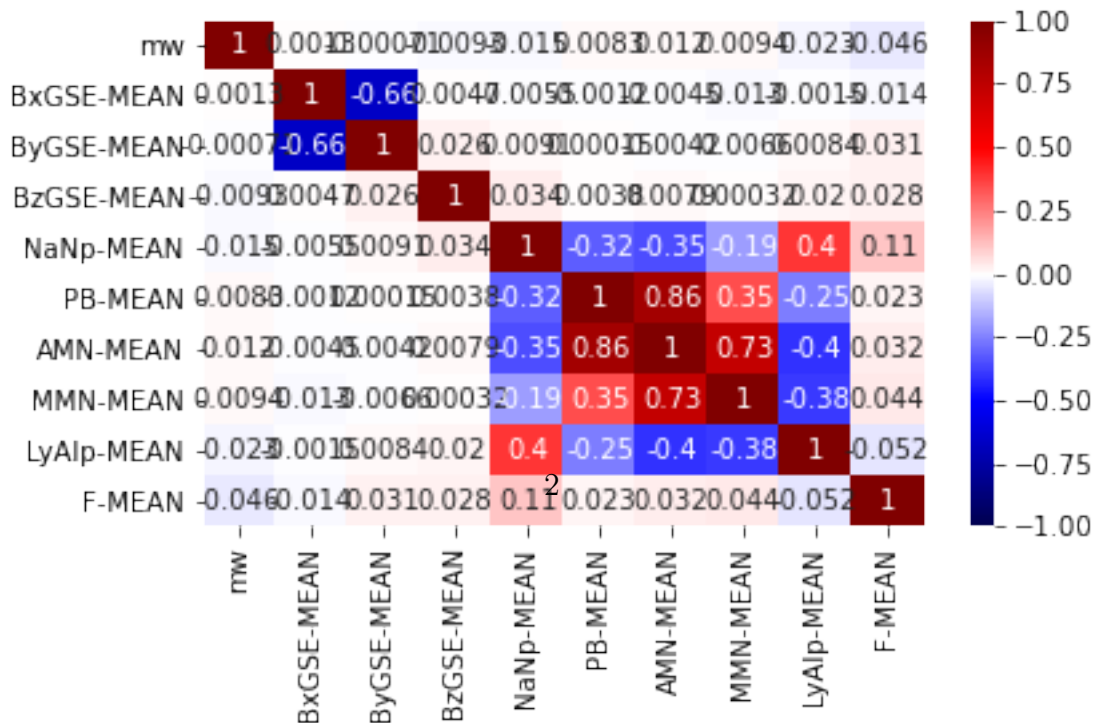


Figure 2: Variable Mean Correlation Matrix

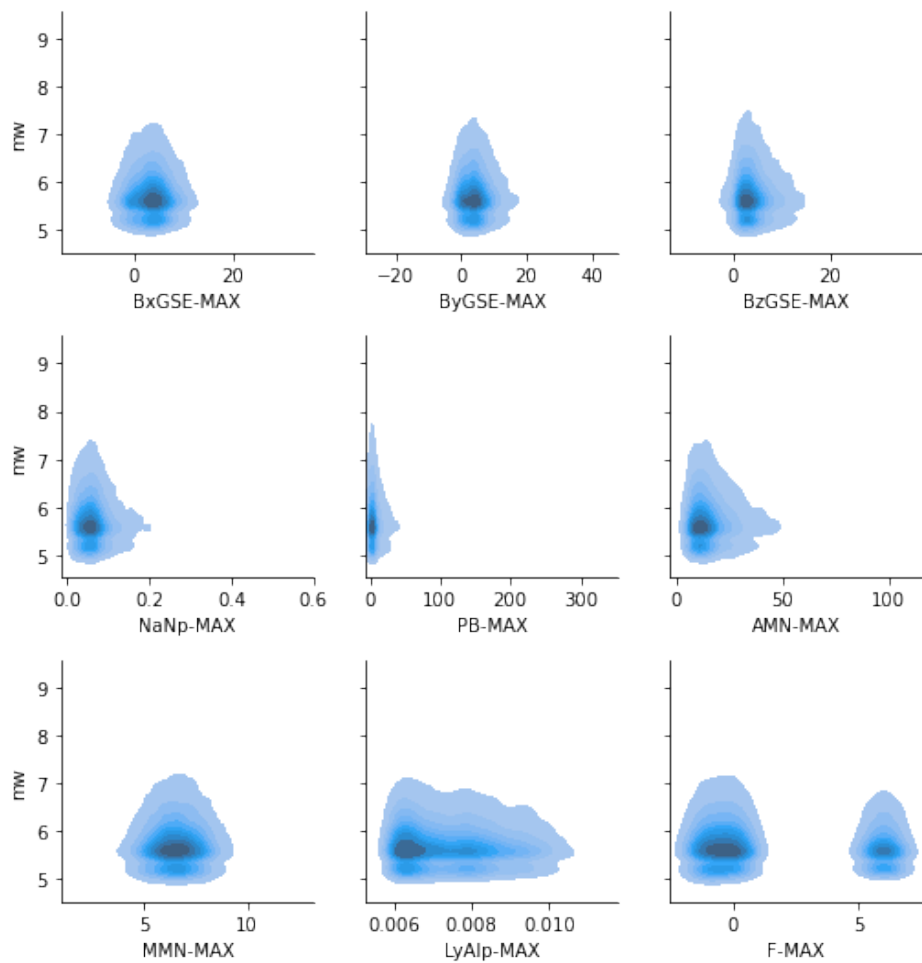


Figure 3: Variable Maximum Density Plots

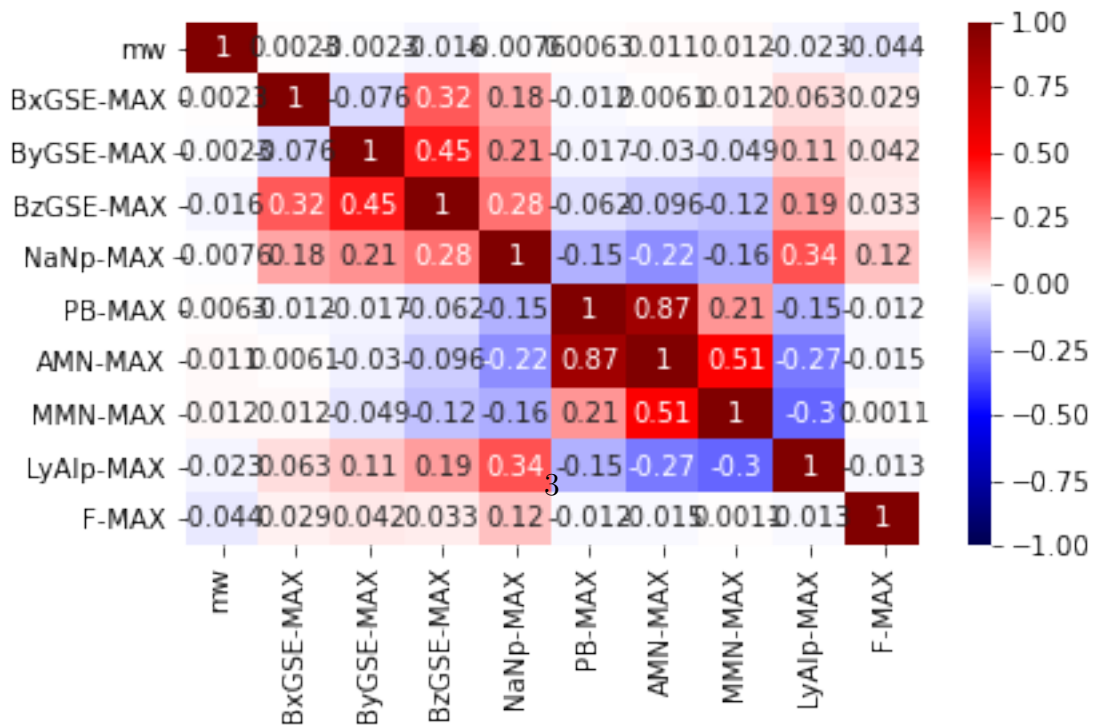


Figure 4: Variable Maximum Correlation Matrix

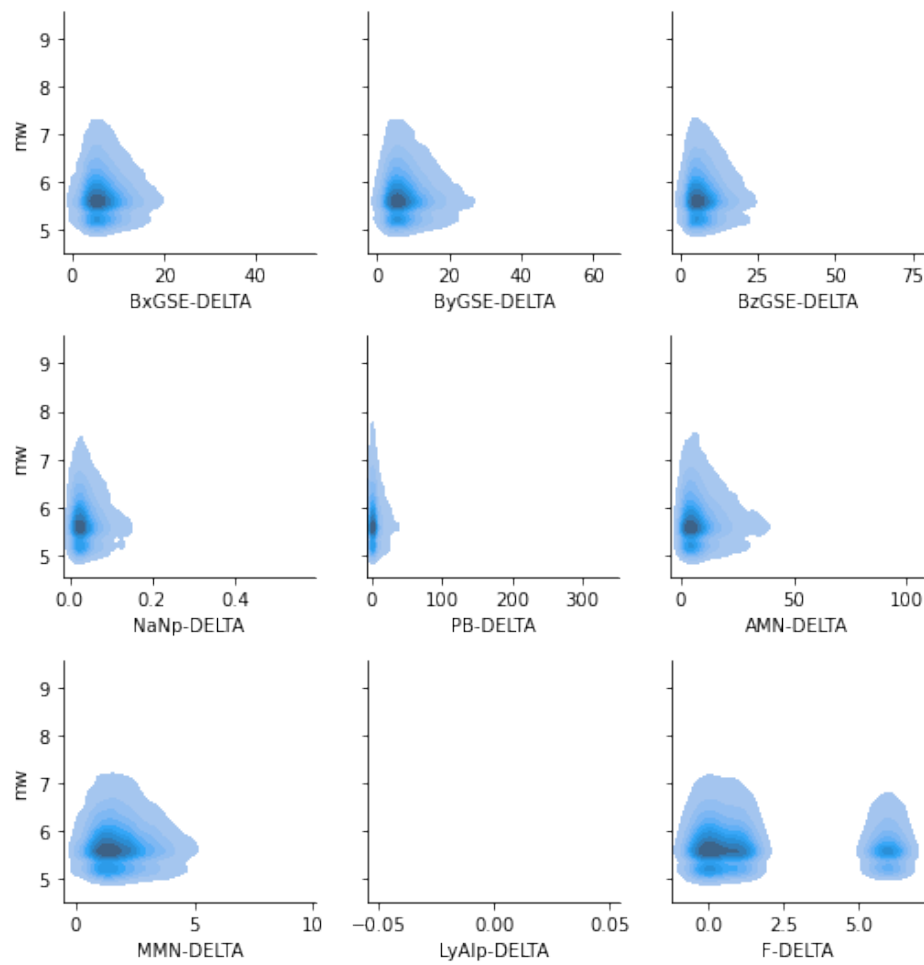


Figure 5: Variable Delta Density Plots

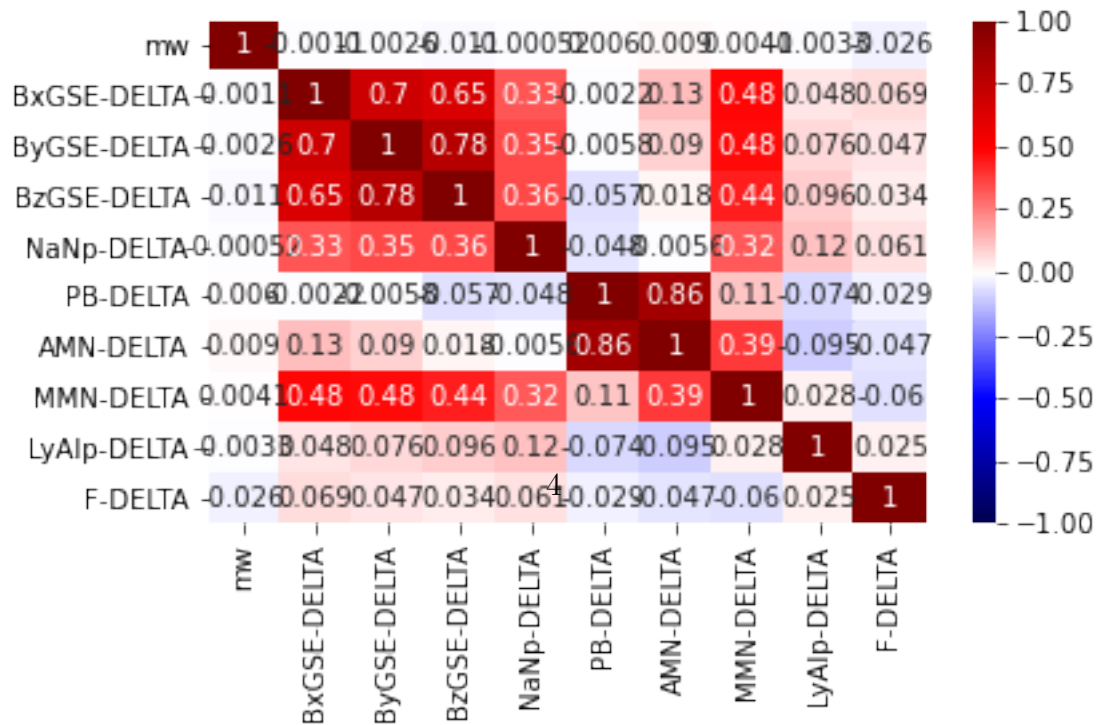


Figure 6: Variable Delta Correlation Matrix

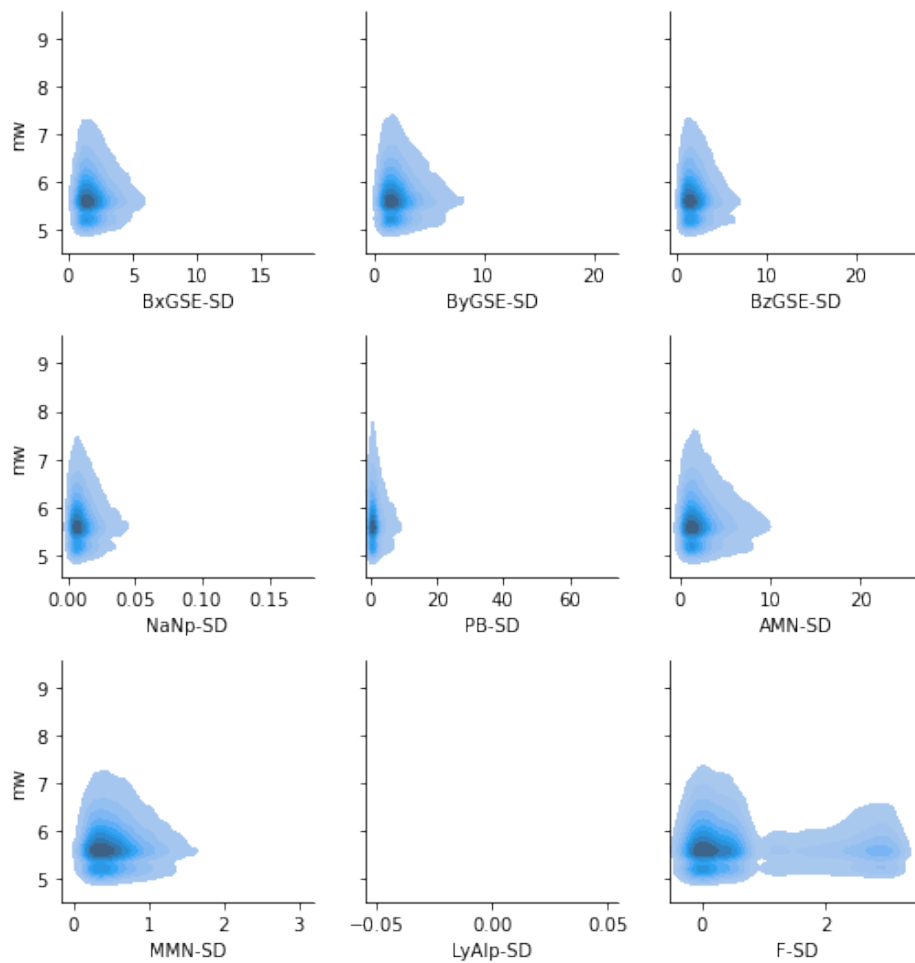


Figure 7: Variable Std. Dev. Density Plots

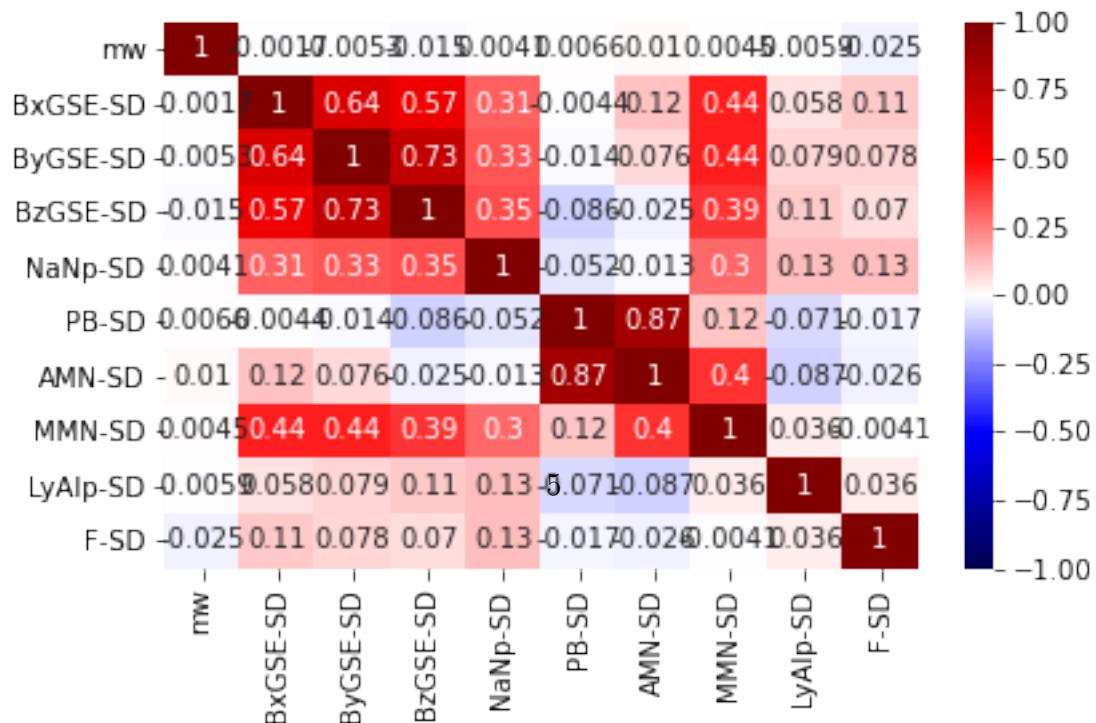


Figure 8: Variable Std. Dev. Correlation Matrix