Earthquake Magnitude vs. Space Weather Variables

Heatmaps sorted by Magnitude brackets

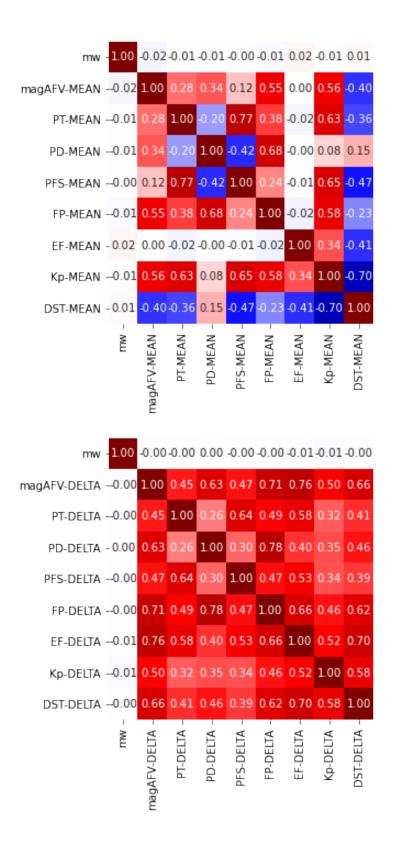
Zane van Campfort and Roman Avery

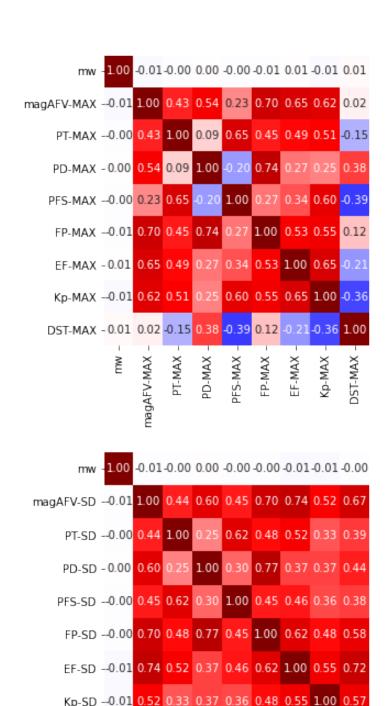
31/12/21

All Space Weather variables that have been compared against magnitude in previous documents are featured here.

Table of Contents:

| Whole Dataset — | 2 |
|-------------------------------|----|
| Number of Entries: 32107 | |
| Magnitude bracket (5.0-6.0)— | 5 |
| Number of Entries: 25219 | |
| Magnitude bracket (6.0-7.0) — | 8 |
| Number of Entries: 6250 | |
| Magnitude bracket (7.0-8.0) — | 11 |
| Number of Entries: 632 | |
| Magnitude bracket (8.0-9.0) — | 14 |
| Number of Entries: 36 | |





0.67 0.39 0.44 0.38 0.58 0.72 0.57 1.00

FP-SD

EF-SD

Kp-SD

DST-SD

PFS-SD

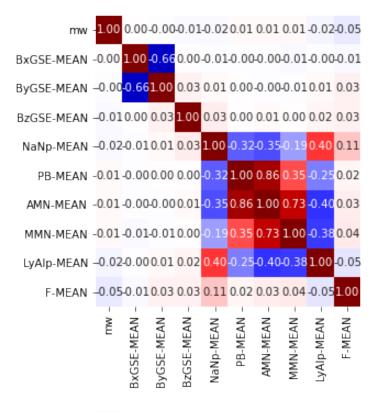
PD-SD

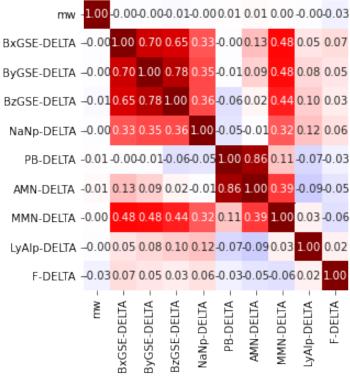
PT-SD

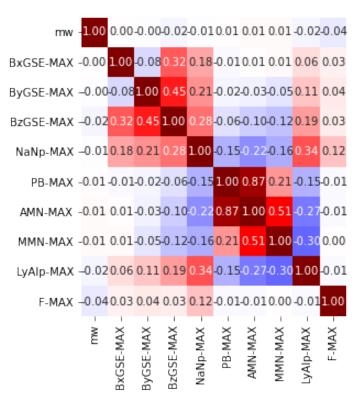
magAFV-SD

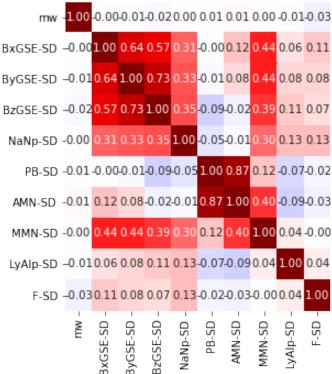
DST-SD --0.00

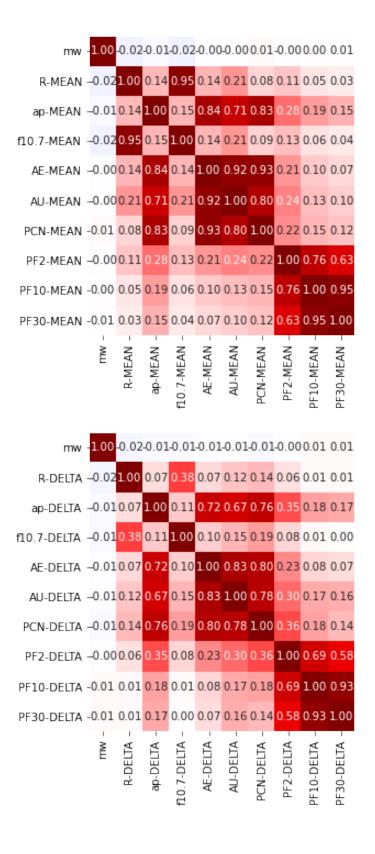
WL

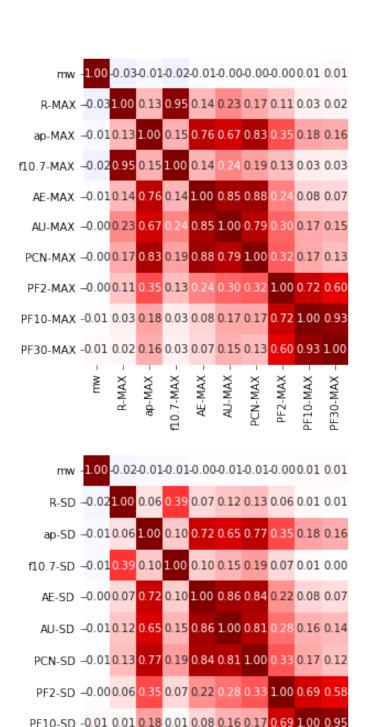












PF30-SD -0.01 0.01 0.16 0.00 0.07 0.14 0.12 0.58 0.95 1.00

AE-SD

10.7-SD

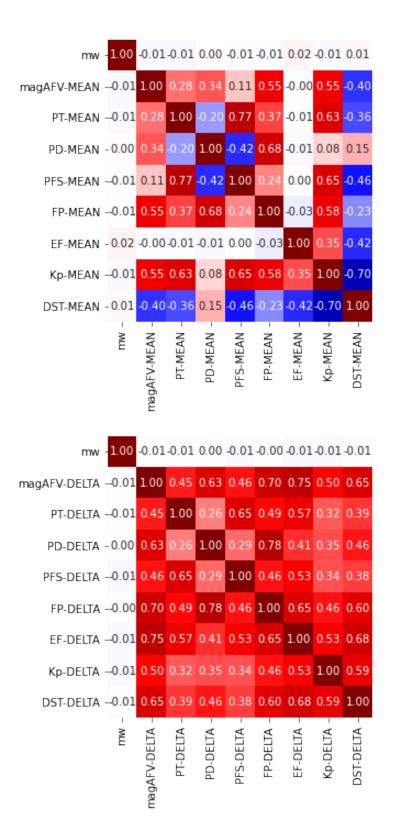
AU-SD

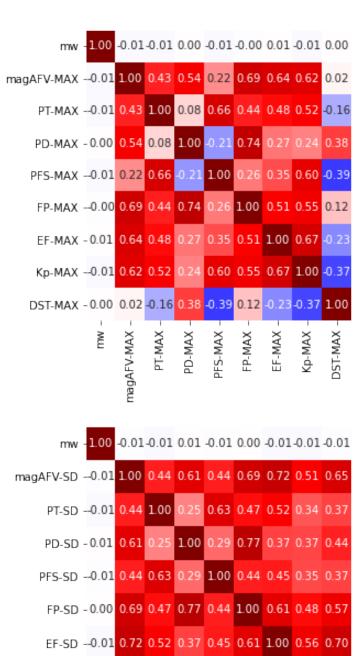
PF2-SD

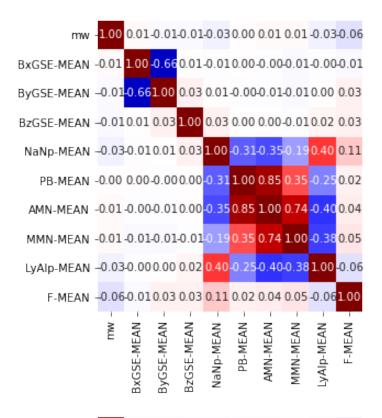
CN-SD

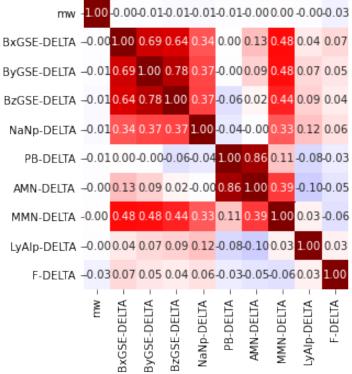
PF10-SD PF30-SD

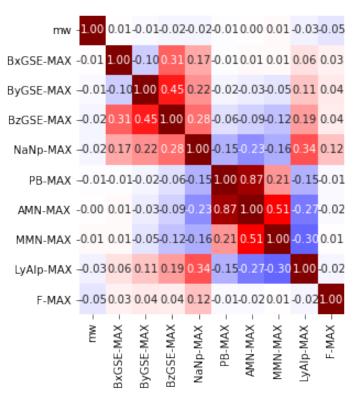
R-SD

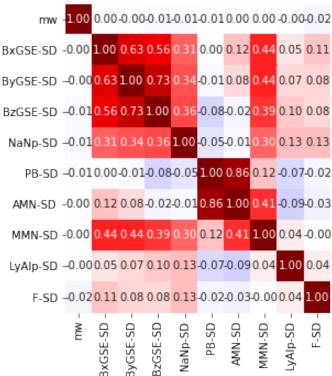


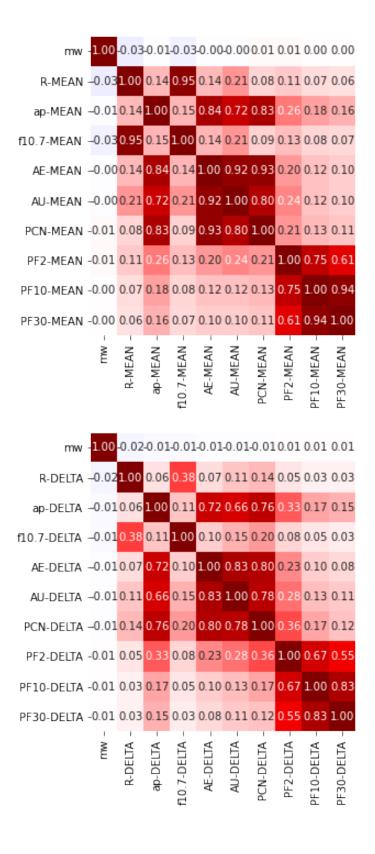


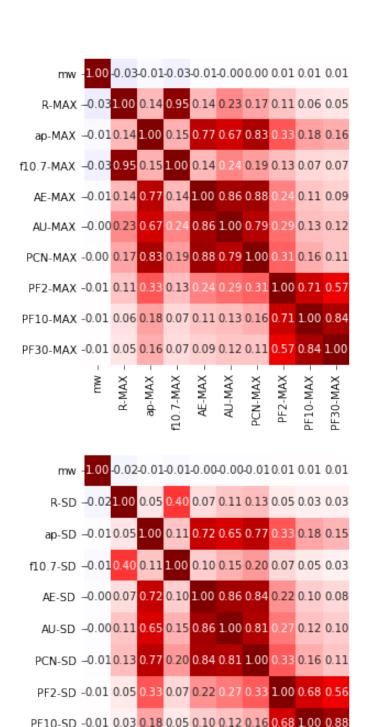












PF30-SD -0.01 0.03 0.15 0.03 0.08 0.10 0.11 0.56 0.88 1.00

10.7-SD

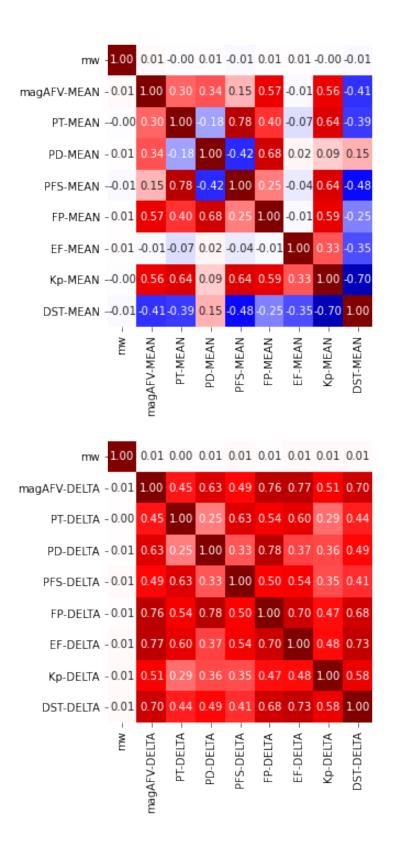
AE-SD AU-SD PF2-SD

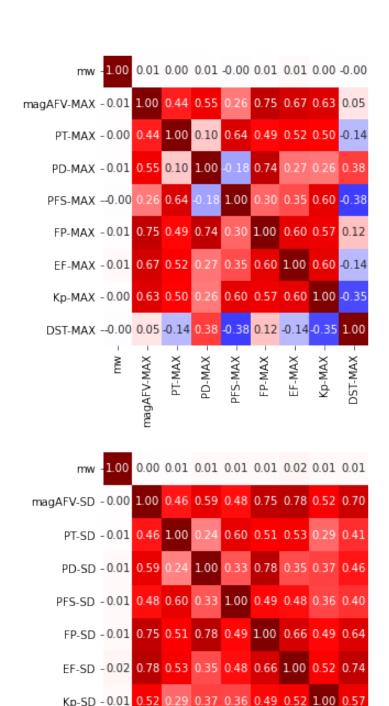
CN-SD

PF30-SD

PF10-SD

R-SD





0.70 0.41 0.46 0.40 0.64 0.74 0.57 1.00

FP-SD

PFS-SD

Kp-SD

DST-SD

EF-SD

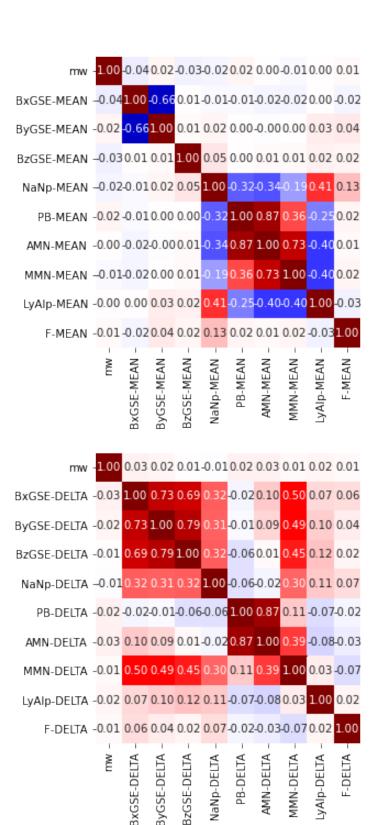
PT-SD

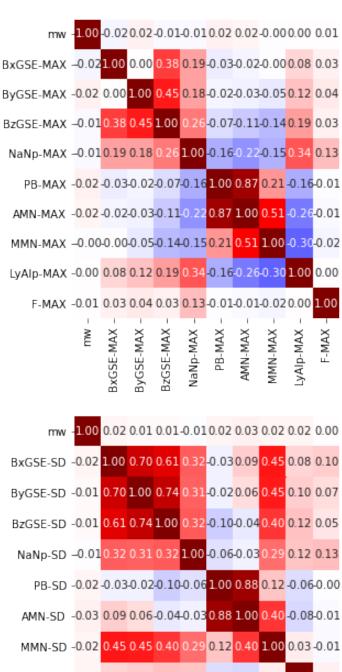
magAFV-SD

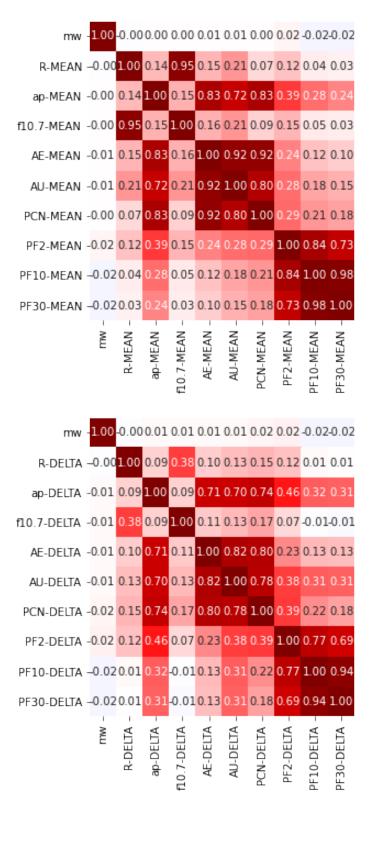
PD-SD

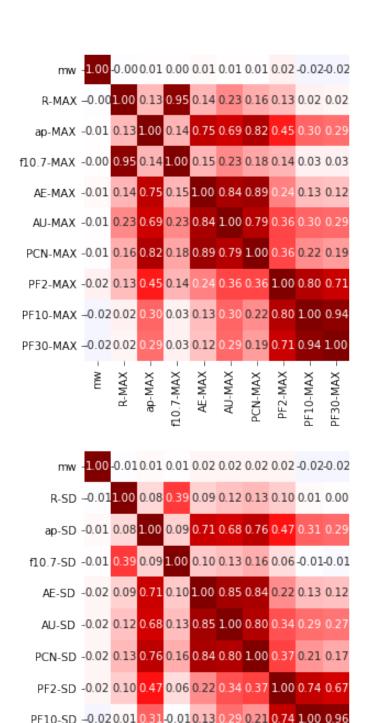
DST-SD - 0.01

WL









PF30-SD -0.020.00 0.29-0.010.12 0.27 0.17 0.67 0.96 1.00

10.7-SD

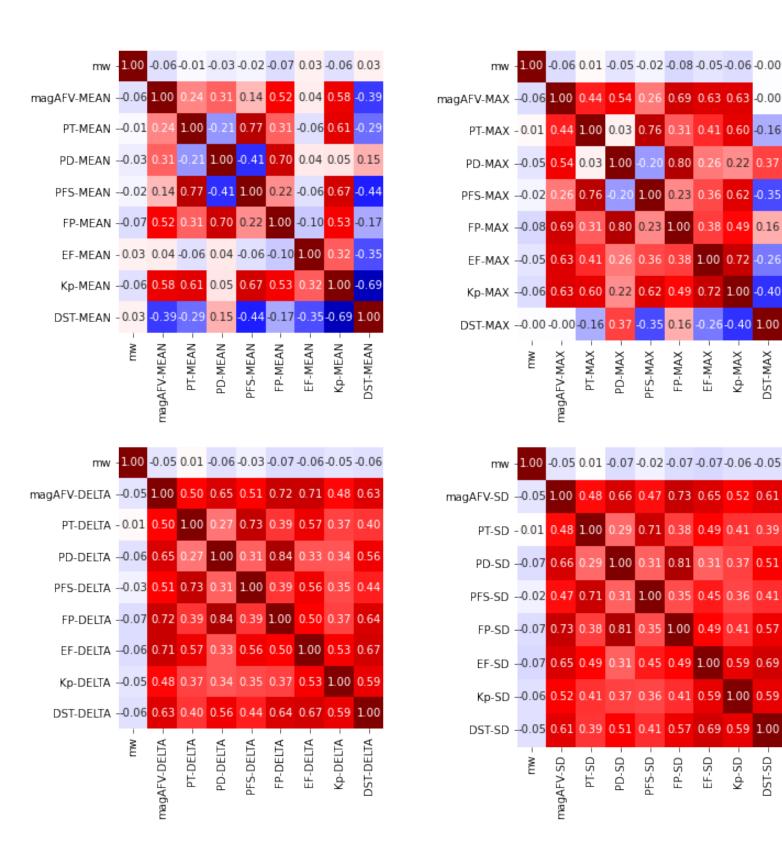
AE-SD AU-SD PF2-SD

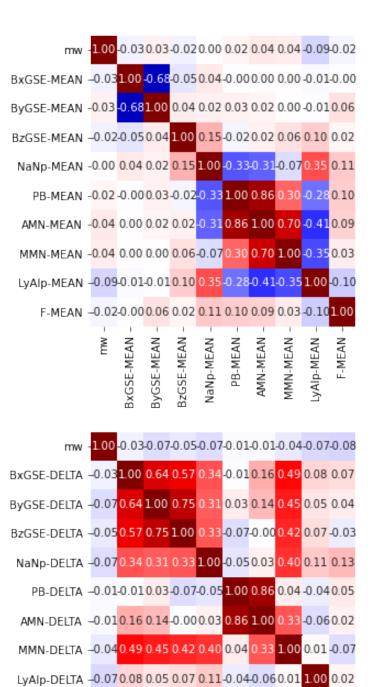
CN-SD

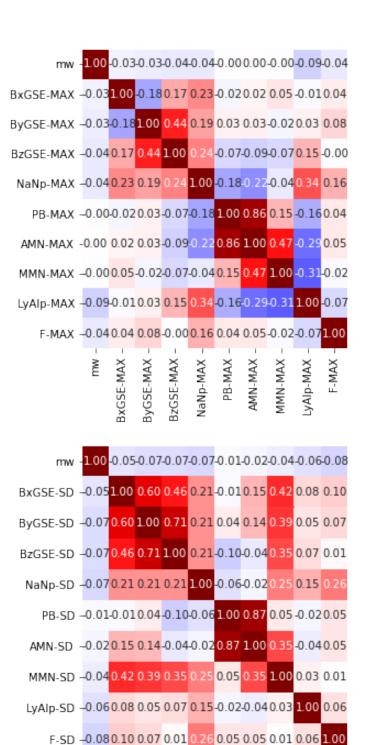
PF30-SD

PF10-SD

R-SD







PB-SD

AMN-SD

MMN-SD LyAlp-SD

NaNp-SD

MШ

3xGSE-SD 3yGSE-SD 3zGSE-SD F-SD

AMN-DELTA

PB-DELTA

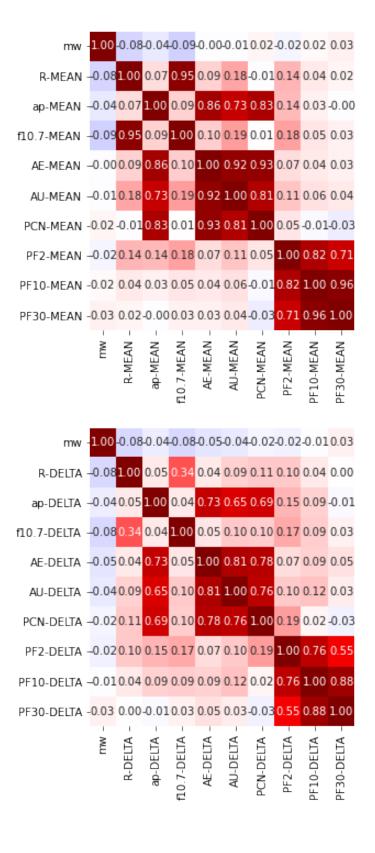
NaNp-DELTA

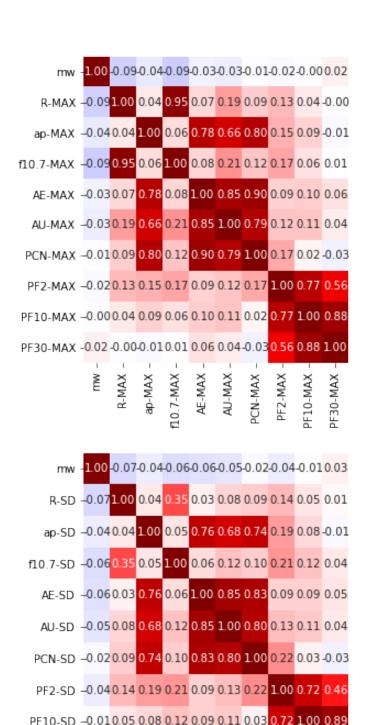
3xGSE-DELTA

MM

BzGSE-DELTA

ByGSE-DELTA





PF30-SD -0.03 0.01-0.010.04 0.05 0.04-0.03 0.46 0.89 1.00

AE-SD

10.7-SD

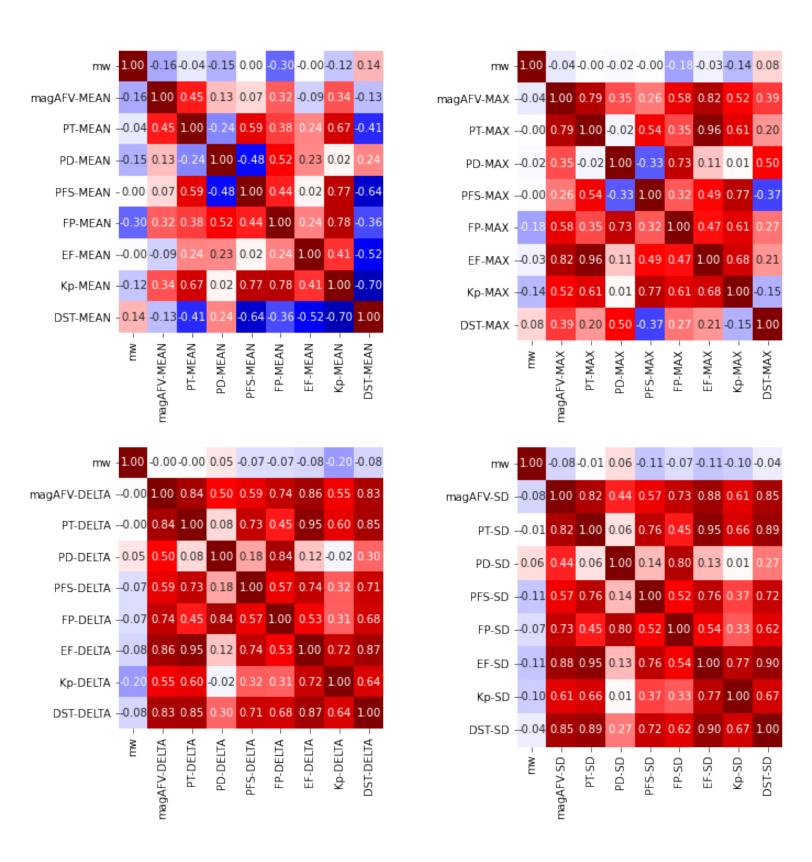
AU-SD

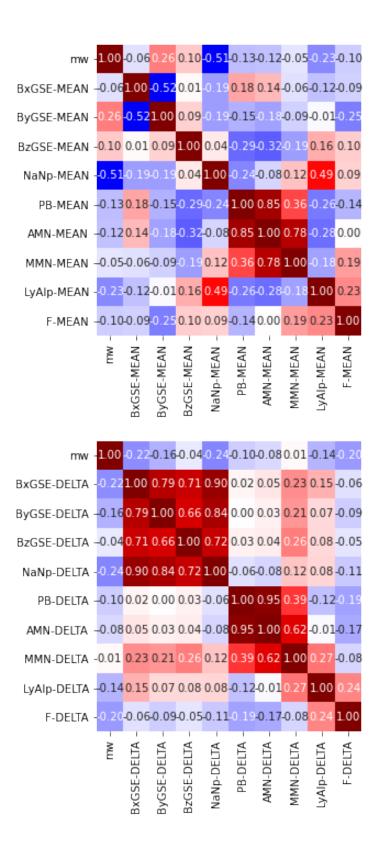
PF30-SD

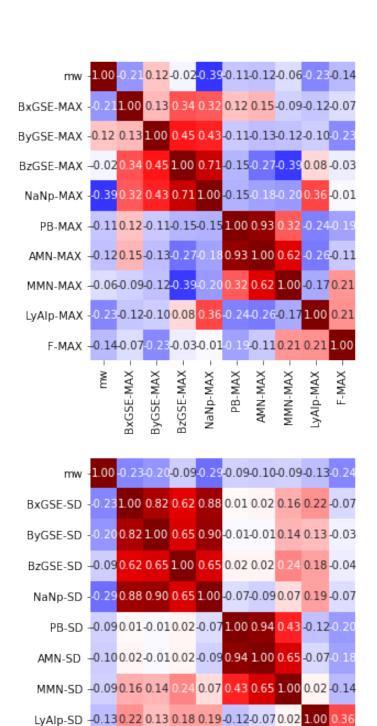
PF2-SD PF10-SD

CN-SD

R-SD







F-SD -0.24-0.07-0.03-0.04-0.07-0.20-0.18-0.14-0.36 1.00

NaNp-SD

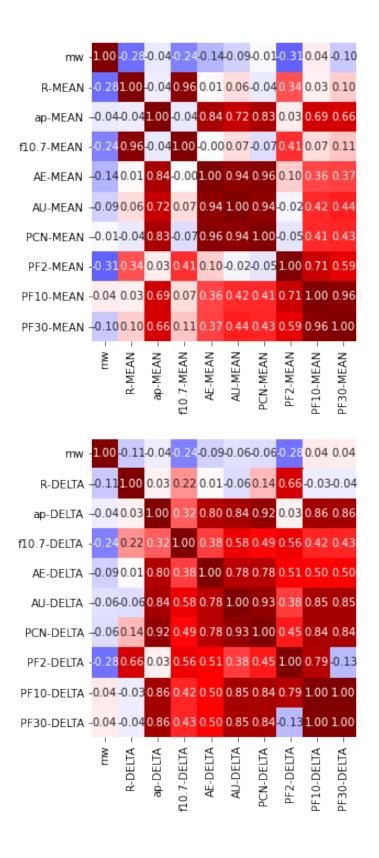
PB-SD AMN-SD MMN-SD

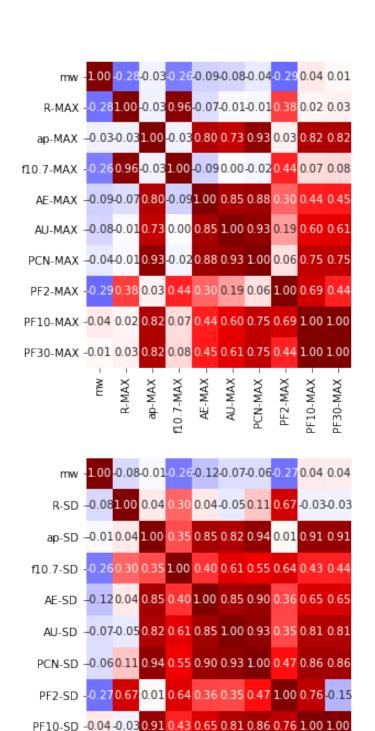
LyAlp-SD

MШ

3xGSE-SD

ByGSE-SD BzGSE-SD F-SD





PF30-SD -0.04-0.03 0.91 0.44 0.65 0.81 0.86-0.15 1.00 1.00

10.7-SD

ap-SD

W

AE-SD

AU-SD

CN-SD

PF2-SD

PF30-SD

PF10-SD