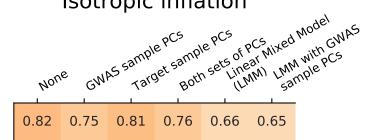
Comparison of SAD variance among methods to adjust for population structure

Number of significant PC-wise SAD components in first 20 PCs

Isotropic inflation



| None GWAS sample PCs Both sets of PCs Mixed Mode. Target sample PCs (Linear) Lynn with GWAS | | | | | | | | | |
|---|-----|-----|-----|-----|-----|----------------------|--|--|--|
| 2.5 | 1.8 | 2.2 | 1.8 | 1.9 | 1.9 | Median across traits | | | |

| 4 | 3 | 3 | 4 | 3 | 4 |
|---|---|---|---|---|---|
| 2 | 1 | 2 | 1 | 1 | 2 |
| 1 | 4 | 1 | 3 | 3 | 3 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 2 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 | 2 | 2 |
| 4 | 3 | 4 | 3 | 3 | 2 |
| 1 | 1 | 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 1 | 1 | 2 | 2 |
| 3 | 2 | 4 | 3 | 2 | 2 |
| 8 | 6 | 8 | 5 | 7 | 5 |
| 5 | 2 | 4 | 2 | 2 | 2 |
| 1 | 1 | 0 | 1 | 1 | 2 |
| 1 | 1 | 1 | 1 | 2 | 3 |
| 2 | 2 | 3 | 2 | 2 | 2 |
| 4 | 0 | 3 | 1 | 0 | 0 |

| Height |
|--------------------------|
| Forced vital capacity |
| Skin color |
| Waist circumference |
| Hand grip strength |
| Years of schooling |
| Household income |
| Overall health rating |
| Alcohol intake frequency |
| Body mass index |
| Hip circumference |
| Hair color |
| Diastolic blood pressure |
| Neuroticism score |
| Pulse rate |
| Birth weight |
| Pack years of smoking |

| 1.69 | 1.26 | 1.63 | 1.27 | 1.06 | 1.04 |
|------|------|------|------|------|------|
| 1.08 | 1.00 | 1.06 | 1.00 | 0.69 | 0.69 |
| 1.19 | 0.96 | 1.18 | 0.98 | 0.80 | 0.77 |
| 0.93 | 0.96 | 0.94 | 0.95 | 0.75 | 0.75 |
| 0.74 | 0.77 | 0.75 | 0.78 | 0.76 | 0.77 |
| 0.75 | 0.73 | 0.73 | 0.72 | 0.59 | 0.58 |
| 0.76 | 0.72 | 0.75 | 0.70 | 0.60 | 0.59 |
| 0.68 | 0.70 | 0.67 | 0.69 | 0.64 | 0.64 |
| 0.77 | 0.69 | 0.77 | 0.75 | 0.76 | 0.74 |
| 0.71 | 0.68 | 0.71 | 0.69 | 0.58 | 0.58 |
| 0.69 | 0.68 | 0.67 | 0.67 | 0.59 | 0.60 |
| 0.90 | 0.66 | 0.89 | 0.66 | 0.68 | 0.65 |
| 0.64 | 0.66 | 0.65 | 0.67 | 0.54 | 0.55 |
| 0.65 | 0.66 | 0.65 | 0.67 | 0.61 | 0.61 |
| 0.61 | 0.62 | 0.58 | 0.59 | 0.57 | 0.59 |
| 0.56 | 0.55 | 0.57 | 0.56 | 0.51 | 0.51 |
| 0.56 | 0.49 | 0.57 | 0.49 | 0.42 | 0.40 |