**S3 Table**

**Table S3** - Posterior means (PM), regions of credibility (95%. LL: lower limit. UL: upper limit) for the first two factor loadings (), real data.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | HPD 95% | |  |  |  | HPD 95% | |
| Par. | PM | sd | LL | UL | Par. | PM | sd | LL | UL |
|  | 0.190 | 0.178 | -0.179 | 0.516 |  | 0.070 | 0.231 | -0.432 | 0.477 |
|  | 0.625 | 0.179 | 0.283 | 0.980 |  | 0.533 | 0.188 | 0.106 | 0.887 |
|  | 0.291 | 0.151 | 0.002 | 0.591 |  | 0.197 | 0.207 | -0.242 | 0.568 |
|  | 0.091 | 0.140 | -0.195 | 0.359 |  | 0.340 | 0.169 | -0.015 | 0.664 |
|  | 0.600 | 0.176 | 0.262 | 0.953 |  | 0.253 | 0.182 | -0.118 | 0.606 |
|  | 0.794 | 0.199 | 0.379 | 1.163 |  | -0.216 | 0.310 | -0.761 | 0.454 |
|  | 0.944 | 0.200 | 0.547 | 1.327 |  | -0.386 | 0.216 | -0.810 | 0.066 |
|  | 1.223 | 0.234 | 0.760 | 1.665 |  | 0.136 | 0.277 | -0.426 | 0.657 |
|  | 0.440 | 0.150 | 0.134 | 0.720 |  | -0.184 | 0.179 | -0.552 | 0.165 |
|  | 0.693 | 0.195 | 0.311 | 1.074 |  | -0.227 | 0.261 | -0.707 | 0.328 |