| Variable | Control Group | Test Groups | Control Size | Test Size | Test Statistic | Mean Difference | CI | Lower Limit | Upper Limit |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PC1 | Pierre Shale Plains | Pine Ridge Escarpment | 4195 | 1261 | mean | 0.385 | 95 | 0.304 | 0.465 |
| PC1 | Pierre Shale Plains | White River Badlands | 4195 | 941 | mean | 0.750 | 95 | 0.651 | 0.849 |
| PC1 | Pierre Shale Plains | Black Hills Plateau | 4195 | 2501 | mean | 1.615 | 95 | 1.546 | 1.683 |
| PC1 | Pierre Shale Plains | Keya Paha Tablelands | 4195 | 1466 | mean | 1.779 | 95 | 1.714 | 1.843 |
| PC1 | Pierre Shale Plains | Sand Hills | 4195 | 3663 | mean | 2.620 | 95 | 2.564 | 2.675 |
| PC2 | Pierre Shale Plains | Pine Ridge Escarpment | 4195 | 1261 | mean | -0.132 | 95 | -0.150 | -0.114 |
| PC2 | Pierre Shale Plains | White River Badlands | 4195 | 941 | mean | 0.040 | 95 | 0.015 | 0.065 |
| PC2 | Pierre Shale Plains | Black Hills Plateau | 4195 | 2501 | mean | -0.147 | 95 | -0.160 | -0.134 |
| PC2 | Pierre Shale Plains | Keya Paha Tablelands | 4195 | 1466 | mean | -0.173 | 95 | -0.188 | -0.159 |
| PC2 | Pierre Shale Plains | Sand Hills | 4195 | 3663 | mean | -0.033 | 95 | -0.046 | -0.019 |