|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Principal Component Estimated Coefficients | | PC1 | PC2 | PC3 | PC4 | PC5 | PC6 | PC7 | PC8 | PC9 | PC10 |
| Lower Bound | | 9.00e-4 | -2.01e-3 | -2.08e-2 | -4.39e-2 | -2.26e-1 | -7.08e-3 | 4.74e-2 | -3.78e-1 | -4.29e-1 | 4.36e-1 |
| Upper Bound | | 1.03e-3 | -3.79e-4 | -1.69e-2 | -2.74e-2 | -1.95e-1 | 4.74e-2 | 1.36e-1 | -2.72e-1 | -2.54e-1 | 6.28e-1 |
| Category | Variable | Loadings | | | | | | | | | |
| Health Risks | incidenceRate |  |  |  | -X | -XXX |  |  |  |  |  |
| Education-Race Interaction | hs\_white |  | -XXX | -X |  |  |  |  |  |  |  |
| hs\_black |  | X | -XX | X |  |  |  |  |  |  |
| college\_black |  | X | -X | -XXX | X |  |  |  |  |  |
| Insurance | PctPrivateCoverageAlone |  |  |  |  |  | -XX |  | X | X |  |
| Imputed\_PctPrivateCoverageAlone |  |  |  |  |  | XX |  | X | X |  |
| PctPublicCoverage |  |  |  |  |  |  |  | -X | -X |  |
| PctPublicCoverageAlone |  |  |  |  |  |  |  | -X | -X |  |
| PctPrivateCoverage |  |  |  |  |  |  |  | X | X |  |
| PctEmpPrivCoverage |  |  |  |  |  |  |  | X | X | X |
| Education | PctHS18\_24 |  |  |  |  |  |  |  | -X | X | XX |
| PctNoHS\_18\_24 |  |  |  |  |  |  |  | -X |  | -XX |
| PctSomeCol18\_24 |  |  |  |  |  |  |  | XX | -X |  |
| PctHS25\_Over |  |  |  |  |  |  |  |  |  | X |
| Economics | medIncome | -XXX |  |  |  |  |  |  |  |  |  |
| PctEmployed16\_Over |  |  |  |  |  |  | -XX |  |  |  |
| Imputed\_PctEmployed16\_Over |  |  |  |  |  |  | XX | X | X |  |
| povertyPercent |  |  |  |  |  |  |  |  | -X |  |
| PctUnemployed16\_Over |  |  |  |  |  |  |  |  | -X |  |
| Demographics | PctWhite |  |  |  |  |  |  |  | X | X | -X |
| PctMarried |  |  |  |  |  |  |  |  | X | -X |
| PctMarriedHouseholds |  |  |  |  |  |  |  |  | X | -X |
| MedianAge |  |  |  |  |  |  |  |  |  | -X |

Key: XXX: > 0.9, XX: > 0.5, X: > 0.1, -XXX: < -0.9, -XX: < -0.5, -X, < -0.1

Negligible variables:

Health Risks: avgAnnCount\_log, avgDeathsPerYear\_log, studyPerCap\_log

Education: PctBachDeg25\_Over, Pct\_BachDeg18\_24\_log

Demographics: AvgHouseholdSize, PctBlack, BirthRate, popEst2015\_log, PctAsian\_log, PctOtherRace\_log