|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (Intercept) | -10.530\*\*\* | -10.703\*\*\* | -10.739\*\*\* | -10.717\*\*\* | -10.907\*\*\* | -10.936\*\*\* | -10.950\*\*\* | -10.905\*\*\* | -10.921\*\*\* | -10.937\*\*\* | -10.905\*\*\* | -10.953\*\*\* |
|  | (0.113) | (0.102) | (0.112) | (0.098) | (0.080) | (0.094) | (0.076) | (0.085) | (0.108) | (0.084) | (0.085) | (0.076) |
| var\_df.cnnctvt |  | 0.605\*\*\* |  |  | 0.203\* |  |  | 0.204\* |  |  | 0.204\* |  |
|  |  | (0.103) |  |  | (0.098) |  |  | (0.099) |  |  | (0.099) |  |
| var\_df.b\_net\_dens |  |  | -0.009 |  |  | -0.081 |  |  | -0.079 |  |  |  |
|  |  |  | (0.189) |  |  | (0.161) |  |  | (0.173) |  |  |  |
| var\_df.b\_gamma |  |  | -0.020 |  |  | -0.007 |  |  | 0.083 |  |  |  |
|  |  |  | (0.201) |  |  | (0.156) |  |  | (0.186) |  |  |  |
| var\_df.b\_cover |  |  | -0.523\* |  |  | -0.195 |  |  | -0.287 |  |  |  |
|  |  |  | (0.236) |  |  | (0.210) |  |  | (0.224) |  |  |  |
| var\_df.b\_int\_dens |  |  | 0.742\*\*\* |  |  | 0.259+ |  |  | 0.314+ |  |  |  |
|  |  |  | (0.154) |  |  | (0.155) |  |  | (0.174) |  |  |  |
| var\_df.b\_complex |  |  | 0.180 |  |  | 0.039 |  |  | 0.018 |  |  |  |
|  |  |  | (0.190) |  |  | (0.152) |  |  | (0.173) |  |  |  |
| var\_df.ls\_net\_den |  |  |  | -0.050 |  |  | -0.224 |  |  | -0.269+ |  | -0.241 |
|  |  |  |  | (0.193) |  |  | (0.156) |  |  | (0.157) |  | (0.157) |
| var\_df.ls\_gamma |  |  |  | 0.092 |  |  | 0.117 |  |  | 0.083 |  | 0.115 |
|  |  |  |  | (0.173) |  |  | (0.131) |  |  | (0.131) |  | (0.130) |
| var\_df.ls\_cover |  |  |  | -0.418\*\*\* |  |  | -0.276\*\* |  |  | -0.211\* |  | -0.235\* |
|  |  |  |  | (0.120) |  |  | (0.098) |  |  | (0.105) |  | (0.104) |
| var\_df.ls\_int\_den |  |  |  | 0.608\*\*\* |  |  | 0.182 |  |  | 0.216 |  | 0.202 |
|  |  |  |  | (0.184) |  |  | (0.148) |  |  | (0.148) |  | (0.149) |
| var\_df.ls\_complex |  |  |  | 0.117 |  |  | 0.118 |  |  | 0.167 |  | 0.106 |
|  |  |  |  | (0.201) |  |  | (0.150) |  |  | (0.149) |  | (0.151) |
| are\_km2 |  |  |  |  | -0.227\* | -0.271+ | -0.300\* | -0.227\* | -0.266 | -0.288\* | -0.227\* | -0.293\* |
|  |  |  |  |  | (0.112) | (0.158) | (0.119) | (0.112) | (0.162) | (0.118) | (0.112) | (0.119) |
| slope |  |  |  |  | 0.116 | 0.019 | 0.182 | 0.118 | 0.045 | 0.101 | 0.118 | 0.154 |
|  |  |  |  |  | (0.124) | (0.161) | (0.131) | (0.130) | (0.172) | (0.138) | (0.130) | (0.134) |
| pp\_dn\_2 |  |  |  |  | 0.097 | 0.048 | 0.127 | 0.097 | 0.030 | 0.178 | 0.097 | 0.135 |
|  |  |  |  |  | (0.109) | (0.146) | (0.111) | (0.112) | (0.155) | (0.116) | (0.112) | (0.111) |
| phisp |  |  |  |  | 0.573\*\*\* | 0.580\*\*\* | 0.647\*\*\* | 0.575\*\*\* | 0.603\*\*\* | 0.634\*\*\* | 0.575\*\*\* | 0.617\*\*\* |
|  |  |  |  |  | (0.121) | (0.137) | (0.115) | (0.126) | (0.150) | (0.127) | (0.126) | (0.118) |
| incm\_md |  |  |  |  | -0.342\*\* | -0.384\*\* | -0.344\*\* | -0.341\*\* | -0.367\* | -0.332\*\* | -0.341\*\* | -0.346\*\* |
|  |  |  |  |  | (0.112) | (0.137) | (0.112) | (0.115) | (0.143) | (0.113) | (0.115) | (0.112) |
| unmplyd |  |  |  |  | -0.203\* | -0.225\* | -0.211\*\* | -0.203\* | -0.222\* | -0.218\*\* | -0.203\* | -0.208\* |
|  |  |  |  |  | (0.086) | (0.100) | (0.082) | (0.086) | (0.103) | (0.082) | (0.086) | (0.081) |
| fem\_prc |  |  |  |  | 0.015 | 0.077 | -0.006 | 0.016 | 0.078 | 0.010 | 0.016 | -0.015 |
|  |  |  |  |  | (0.085) | (0.100) | (0.080) | (0.086) | (0.102) | (0.087) | (0.086) | (0.080) |
| vtrns\_p |  |  |  |  | 0.031 | 0.110 | 0.043 | 0.031 | 0.094 | 0.009 | 0.031 | 0.036 |
|  |  |  |  |  | (0.086) | (0.096) | (0.082) | (0.087) | (0.101) | (0.082) | (0.087) | (0.082) |
| wht\_prc |  |  |  |  | 0.267\* | 0.307\* | 0.303\*\* | 0.267\* | 0.323\* | 0.366\*\*\* | 0.267\* | 0.311\*\* |
|  |  |  |  |  | (0.106) | (0.125) | (0.102) | (0.107) | (0.130) | (0.106) | (0.107) | (0.103) |
| var\_df.cnnctvt × phisp |  |  |  |  |  |  |  | -0.005 |  |  | -0.005 |  |
|  |  |  |  |  |  |  |  | (0.093) |  |  | (0.093) |  |
| var\_df.b\_net\_dens × phisp |  |  |  |  |  |  |  |  | 0.055 |  |  |  |
|  |  |  |  |  |  |  |  |  | (0.198) |  |  |  |
| var\_df.b\_gamma × phisp |  |  |  |  |  |  |  |  | 0.198 |  |  |  |
|  |  |  |  |  |  |  |  |  | (0.283) |  |  |  |
| var\_df.b\_cover × phisp |  |  |  |  |  |  |  |  | -0.191 |  |  |  |
|  |  |  |  |  |  |  |  |  | (0.403) |  |  |  |
| var\_df.b\_int\_dens × phisp |  |  |  |  |  |  |  |  | -0.076 |  |  |  |
|  |  |  |  |  |  |  |  |  | (0.156) |  |  |  |
| var\_df.b\_complex × phisp |  |  |  |  |  |  |  |  | -0.091 |  |  |  |
|  |  |  |  |  |  |  |  |  | (0.389) |  |  |  |
| var\_df.ls\_net\_den × phisp |  |  |  |  |  |  |  |  |  | 0.093 |  |  |
|  |  |  |  |  |  |  |  |  |  | (0.176) |  |  |
| var\_df.ls\_gamma × phisp |  |  |  |  |  |  |  |  |  | -0.179 |  |  |
|  |  |  |  |  |  |  |  |  |  | (0.183) |  |  |
| var\_df.ls\_cover × phisp |  |  |  |  |  |  |  |  |  | -0.167+ |  | -0.081 |
|  |  |  |  |  |  |  |  |  |  | (0.095) |  | (0.074) |
| var\_df.ls\_int\_den × phisp |  |  |  |  |  |  |  |  |  | -0.040 |  |  |
|  |  |  |  |  |  |  |  |  |  | (0.176) |  |  |
| var\_df.ls\_complex × phisp |  |  |  |  |  |  |  |  |  | 0.323 |  |  |
|  |  |  |  |  |  |  |  |  |  | (0.249) |  |  |
| Num.Obs. | 125 | 125 | 95 | 125 | 125 | 95 | 125 | 125 | 95 | 125 | 125 | 125 |
| AIC | 664.5 | 636.5 | 523.4 | 637.5 | 589.0 | 493.0 | 585.4 | 591.0 | 502.1 | 591.0 | 591.0 | 586.3 |
| BIC | 670.2 | 645.0 | 541.3 | 657.3 | 622.9 | 533.9 | 630.6 | 627.7 | 555.8 | 650.4 | 627.7 | 634.4 |
| Log.Lik. | -330.262 |  |  | -311.773 |  |  | -276.696 |  |  | -274.514 |  | -276.140 |
| F |  | 34.825 |  | 10.121 | 14.001 |  | 12.400 | 12.714 |  | 9.837 | 12.714 | 11.834 |
| RMSE | 10.21 | 9.13 | 6.49 | 7.26 | 4.47 | 4.62 | 4.04 | 4.48 | 4.73 | 3.81 | 4.48 | 4.01 |
| + p < 0.1, \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001 | | | | | | | | | | | | |