Table 10: Linear Regression Model on Training Data set

| rownames(lm.summary$coefficients) | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | -0.2316 | 0.1566 | -1.4791 | 0.1392 |
| countya | 0.0000 | 0.0000 | 0.0863 | 0.9312 |
| statea | 0.0000 | 0.0000 | -0.9400 | 0.3473 |
| v2016 | 0.0000 | 0.0000 | -3.7188 | 0.0002 |
| vd2016 | 0.0000 | 0.0000 | 4.1687 | 0.0000 |
| vg2016 | 0.0000 | 0.0000 | 2.9435 | 0.0033 |
| pg2016 | 0.8114 | 0.0111 | 73.0975 | 0.0000 |
| diff2016 | 0.0000 | 0.0000 | -0.0242 | 0.9807 |
| ppd2016 | 0.8954 | 0.0062 | 145.0306 | 0.0000 |
| v2012 | 0.0000 | 0.0000 | 0.3668 | 0.7138 |
| vd2012 | 0.0000 | 0.0000 | -0.5308 | 0.5956 |
| vg2012 | 0.0000 | 0.0000 | -0.2470 | 0.8049 |
| pd2012 | 0.0365 | 0.0212 | 1.7198 | 0.0856 |
| pg2012 | 0.0289 | 0.0210 | 1.3759 | 0.1689 |
| diff2012 | 0.0000 | 0.0000 | 0.9651 | 0.3346 |
| ppd2012 | 0.0034 | 0.0174 | 0.1943 | 0.8459 |
| v2008 | 0.0000 | 0.0000 | -0.4024 | 0.6874 |
| vd2008 | 0.0000 | 0.0000 | 0.1433 | 0.8860 |
| vg2008 | 0.0000 | 0.0000 | 0.6078 | 0.5433 |
| pd2008 | 0.0073 | 0.0178 | 0.4071 | 0.6839 |
| pg2008 | -0.0072 | 0.0178 | -0.4053 | 0.6853 |
| diff2008 | 0.0000 | 0.0000 | 0.4590 | 0.6463 |
| ppd2008 | -0.0076 | 0.0178 | -0.4248 | 0.6710 |
| lforce15 | 0.0000 | 0.0000 | 0.2360 | 0.8134 |
| emp15 | 0.0000 | 0.0000 | -0.4611 | 0.6448 |
| unrate15 | 0.0001 | 0.0001 | 0.8786 | 0.3797 |
| lforce14 | 0.0000 | 0.0000 | 0.1689 | 0.8659 |
| emp14 | 0.0000 | 0.0000 | 0.0143 | 0.9886 |
| unrate14 | -0.0001 | 0.0002 | -0.3810 | 0.7032 |
| lforce13 | 0.0000 | 0.0000 | -0.0650 | 0.9482 |
| emp13 | 0.0000 | 0.0000 | -0.3428 | 0.7318 |
| unrate13 | -0.0002 | 0.0002 | -1.0115 | 0.3119 |
| lforce12 | 0.0000 | 0.0000 | 0.1506 | 0.8803 |
| emp12 | 0.0000 | 0.0000 | 0.3980 | 0.6906 |
| unrate12 | 0.0006 | 0.0003 | 2.3439 | 0.0192 |
| lforce11 | 0.0000 | 0.0000 | -0.4932 | 0.6219 |
| emp11 | 0.0000 | 0.0000 | -0.0457 | 0.9636 |
| unrate11 | -0.0003 | 0.0002 | -1.6303 | 0.1031 |
| inc15 | 0.0000 | 0.0000 | -0.8667 | 0.3862 |
| ruc13 | -0.0001 | 0.0001 | -0.8967 | 0.3699 |
| ruc03 | 0.0002 | 0.0001 | 1.5843 | 0.1132 |
| povall15 | 0.0000 | 0.0000 | 0.0891 | 0.9290 |
| pcpv15 | -0.0001 | 0.0000 | -2.0866 | 0.0370 |
| pov1715 | 0.0000 | 0.0000 | 0.7929 | 0.4279 |
| pcpv1715 | 0.0000 | 0.0001 | -0.4545 | 0.6495 |
| pv51715 | 0.0000 | 0.0000 | -0.7952 | 0.4266 |
| pp51715 | 0.0001 | 0.0001 | 1.1693 | 0.2424 |
| lhs1115 | 0.0000 | 0.0000 | 1.0097 | 0.3127 |
| hsd1115 | 0.0000 | 0.0000 | 0.4864 | 0.6268 |
| sca1115 | 0.0000 | 0.0000 | 0.7547 | 0.4505 |
| bdh1115 | 0.0000 | 0.0000 | 0.2784 | 0.7807 |
| plhs | 0.0017 | 0.0016 | 1.1024 | 0.2704 |
| phsd | 0.0017 | 0.0016 | 1.0606 | 0.2890 |
| psca | 0.0016 | 0.0016 | 1.0419 | 0.2976 |
| pbdh | 0.0017 | 0.0016 | 1.0886 | 0.2764 |
| imig11 | 0.0000 | 0.0000 | 0.7871 | 0.4313 |
| imig12 | 0.0000 | 0.0000 | 0.4680 | 0.6398 |
| imig13 | 0.0000 | 0.0000 | 0.4599 | 0.6456 |
| imig14 | 0.0000 | 0.0000 | -0.7968 | 0.4256 |
| imig15 | 0.0000 | 0.0000 | 0.2515 | 0.8015 |
| dmig11 | 0.0000 | 0.0000 | -0.7974 | 0.4253 |
| dmig12 | 0.0000 | 0.0000 | 0.2322 | 0.8164 |
| dmig13 | 0.0000 | 0.0000 | -1.5051 | 0.1324 |
| dmig14 | 0.0000 | 0.0000 | 1.8373 | 0.0663 |
| dmig15 | 0.0000 | 0.0000 | 0.3306 | 0.7410 |
| adkle001 | 0.0000 | 0.0000 | -1.2298 | 0.2189 |
| adkle002 | 0.0000 | 0.0000 | 0.3395 | 0.7343 |
| adkle003 | 0.0000 | 0.0000 | 1.0347 | 0.3009 |
| adkle004 | 0.0000 | 0.0000 | 0.4261 | 0.6701 |
| adkle005 | 0.0000 | 0.0000 | 0.6345 | 0.5258 |
| adkle006 | 0.0000 | 0.0000 | 2.2430 | 0.0250 |
| adkle007 | 0.0000 | 0.0000 | 1.5526 | 0.1206 |
| adkle008 | 0.0000 | 0.0000 | 1.0923 | 0.2748 |
| adkle009 | 0.0000 | 0.0000 | 0.8785 | 0.3797 |
| adkle010 | 0.0000 | 0.0000 | 0.9541 | 0.3401 |
| adkle011 | 0.0000 | 0.0000 | 0.5657 | 0.5716 |
| adkle012 | 0.0000 | 0.0000 | 0.1290 | 0.8974 |
| adkle013 | 0.0000 | 0.0000 | 0.0536 | 0.9572 |
| adkle014 | 0.0000 | 0.0000 | -0.1248 | 0.9007 |
| adkle015 | 0.0000 | 0.0000 | 0.9549 | 0.3397 |
| adkle016 | 0.0000 | 0.0000 | 0.4705 | 0.6380 |
| adkle017 | 0.0000 | 0.0000 | 0.5810 | 0.5613 |
| adkle018 | 0.0000 | 0.0000 | 0.6908 | 0.4897 |
| adkle019 | 0.0000 | 0.0000 | 1.0095 | 0.3128 |
| adkle020 | 0.0000 | 0.0000 | 0.7834 | 0.4335 |
| adkle021 | 0.0000 | 0.0000 | 0.9478 | 0.3433 |
| adkle022 | 0.0000 | 0.0000 | 0.7927 | 0.4280 |
| adkle023 | 0.0000 | 0.0000 | 0.7272 | 0.4672 |
| adkle024 | 0.0000 | 0.0000 | 0.3163 | 0.7518 |
| adkle027 | 0.0000 | 0.0000 | 1.1007 | 0.2711 |
| adkle028 | 0.0000 | 0.0000 | 0.1973 | 0.8436 |
| adkle029 | 0.0000 | 0.0000 | 0.2842 | 0.7763 |
| adkle030 | 0.0000 | 0.0000 | 0.5986 | 0.5495 |
| adkle031 | 0.0000 | 0.0000 | 1.7521 | 0.0799 |
| adkle032 | 0.0000 | 0.0000 | 1.2462 | 0.2128 |
| adkle033 | 0.0000 | 0.0000 | 0.6811 | 0.4958 |
| adkle034 | 0.0000 | 0.0000 | 1.3572 | 0.1748 |
| adkle035 | 0.0000 | 0.0000 | 0.9789 | 0.3277 |
| adkle036 | 0.0000 | 0.0000 | -0.3275 | 0.7433 |
| adkle037 | 0.0000 | 0.0000 | 0.2844 | 0.7761 |
| adkle038 | 0.0000 | 0.0000 | 0.1417 | 0.8873 |
| adkle039 | 0.0000 | 0.0000 | -0.5589 | 0.5762 |
| adkle040 | 0.0000 | 0.0000 | 0.6960 | 0.4865 |
| adkle041 | 0.0000 | 0.0000 | 0.6681 | 0.5041 |
| adkle042 | 0.0000 | 0.0000 | 0.4594 | 0.6459 |
| adkle043 | 0.0000 | 0.0000 | 1.2404 | 0.2149 |
| adkle044 | 0.0000 | 0.0000 | 0.9874 | 0.3235 |
| adkle045 | 0.0000 | 0.0000 | 0.5240 | 0.6003 |
| adkle046 | 0.0000 | 0.0000 | 0.7146 | 0.4749 |
| adkle047 | 0.0000 | 0.0000 | 0.6683 | 0.5040 |
| adkle048 | 0.0000 | 0.0000 | 0.2476 | 0.8044 |
| adkxe002 | 0.0000 | 0.0000 | 0.0595 | 0.9526 |
| adkxe003 | 0.0000 | 0.0000 | -0.4494 | 0.6532 |
| adkxe004 | 0.0000 | 0.0000 | 0.1660 | 0.8682 |
| adkxe005 | 0.0000 | 0.0000 | 1.3553 | 0.1754 |
| adkxe006 | 0.0000 | 0.0000 | 0.5208 | 0.6026 |
| adkxe007 | 0.0000 | 0.0000 | 0.1467 | 0.8834 |
| adkxe009 | 0.0000 | 0.0000 | -0.3192 | 0.7496 |
| adple003 | 0.0000 | 0.0000 | 0.1146 | 0.9087 |
| adple019 | 0.0000 | 0.0000 | 0.3387 | 0.7348 |
| adple027 | 0.0000 | 0.0000 | -0.9847 | 0.3249 |
| adple030 | 0.0000 | 0.0000 | 0.3906 | 0.6962 |
| adple034 | 0.0000 | 0.0000 | 0.1634 | 0.8702 |
| adple039 | 0.0000 | 0.0000 | 0.2104 | 0.8334 |
| adple055 | 0.0000 | 0.0000 | 0.2797 | 0.7797 |
| adple063 | 0.0000 | 0.0000 | 0.8870 | 0.3751 |
| adple066 | 0.0000 | 0.0000 | -1.0070 | 0.3140 |
| adple070 | 0.0000 | 0.0000 | 0.9167 | 0.3594 |
| adolm001 | 0.0000 | 0.0000 | 1.2316 | 0.2182 |
| population.2010 | 0.0000 | 0.0000 | -0.9913 | 0.3216 |
| population.2011 | 0.0000 | 0.0000 | 0.8580 | 0.3910 |
| population.2012 | 0.0000 | 0.0000 | -1.2015 | 0.2297 |
| population.2013 | 0.0000 | 0.0000 | 2.4190 | 0.0156 |
| population.2014 | 0.0000 | 0.0000 | -0.7083 | 0.4788 |
| population.2015 | 0.0000 | 0.0000 | -0.0018 | 0.9985 |
| population.2016 | 0.0000 | 0.0000 | -0.2456 | 0.8060 |
| population.2017 | 0.0000 | 0.0000 | 0.7595 | 0.4476 |
| population.2018 | 0.0000 | 0.0000 | -0.9194 | 0.3580 |
| population.2019 | 0.0000 | 0.0000 | 0.8104 | 0.4178 |
| democrats | 0.0000 | 0.0000 | -1.5302 | 0.1261 |
| green | 0.0000 | 0.0000 | 2.7026 | 0.0069 |
| other | 0.0000 | 0.0000 | 2.1896 | 0.0286 |
| republican | 0.0000 | 0.0000 | 0.9715 | 0.3314 |
| population.female.2011 | 0.0000 | 0.0000 | 0.0548 | 0.9563 |
| population.female.2015 | 0.0000 | 0.0000 | 0.9630 | 0.3356 |
| `American Indian or Alaska Native.2011` | 0.0000 | 0.0000 | -1.0200 | 0.3078 |
| `Asian or Pacific Islander.2011` | 0.0000 | 0.0000 | -0.1090 | 0.9132 |
| `Black or African American.2011` | 0.0000 | 0.0000 | 1.1817 | 0.2374 |
| `American Indian or Alaska Native.2015` | 0.0000 | 0.0000 | 1.0260 | 0.3050 |
| `Asian or Pacific Islander.2015` | 0.0000 | 0.0000 | -0.9328 | 0.3510 |
| `Black or African American.2015` | 0.0000 | 0.0000 | -0.6467 | 0.5179 |
| `< 1 year.2011` | 0.0000 | 0.0000 | -1.1830 | 0.2369 |
| `10-14 years.2011` | 0.0000 | 0.0000 | -0.6684 | 0.5039 |
| `1-4 years.2011` | 0.0000 | 0.0000 | -0.1521 | 0.8791 |
| `15-19 years.2011` | 0.0000 | 0.0000 | -1.1764 | 0.2395 |
| `20-24 years.2011` | 0.0000 | 0.0000 | -0.5794 | 0.5623 |
| `25-29 years.2011` | 0.0000 | 0.0000 | -0.0001 | 0.9999 |
| `30-34 years.2011` | 0.0000 | 0.0000 | -0.3785 | 0.7051 |
| `35-39 years.2011` | 0.0000 | 0.0000 | -0.2208 | 0.8252 |
| `40-44 years.2011` | 0.0000 | 0.0000 | 0.7406 | 0.4590 |
| `45-49 years.2011` | 0.0000 | 0.0000 | 0.4256 | 0.6704 |
| `50-54 years.2011` | 0.0000 | 0.0000 | 0.1875 | 0.8513 |
| `55-59 years.2011` | 0.0000 | 0.0000 | -0.6650 | 0.5061 |
| `5-9 years.2011` | 0.0000 | 0.0000 | -0.6215 | 0.5343 |
| `60-64 years.2011` | 0.0000 | 0.0000 | -0.6895 | 0.4906 |
| `65-69 years.2011` | 0.0000 | 0.0000 | -0.1836 | 0.8544 |
| `70-74 years.2011` | 0.0000 | 0.0000 | 0.0909 | 0.9276 |
| `75-79 years.2011` | 0.0000 | 0.0000 | -1.0695 | 0.2849 |
| `80-84 years.2011` | 0.0000 | 0.0000 | 0.5695 | 0.5691 |
| `< 1 year.2015` | 0.0000 | 0.0000 | -0.3970 | 0.6914 |
| `10-14 years.2015` | 0.0000 | 0.0000 | 0.2339 | 0.8151 |
| `1-4 years.2015` | 0.0000 | 0.0000 | -0.4565 | 0.6480 |
| `15-19 years.2015` | 0.0000 | 0.0000 | -0.5691 | 0.5694 |
| `20-24 years.2015` | 0.0000 | 0.0000 | -0.5413 | 0.5883 |
| `25-29 years.2015` | 0.0000 | 0.0000 | -0.5268 | 0.5984 |
| `30-34 years.2015` | 0.0000 | 0.0000 | 0.1276 | 0.8985 |
| `35-39 years.2015` | 0.0000 | 0.0000 | -0.1535 | 0.8780 |
| `40-44 years.2015` | 0.0000 | 0.0000 | 0.4022 | 0.6876 |
| `45-49 years.2015` | 0.0000 | 0.0000 | -0.8241 | 0.4100 |
| `50-54 years.2015` | 0.0000 | 0.0000 | -0.7925 | 0.4282 |
| `55-59 years.2015` | 0.0000 | 0.0000 | -0.6590 | 0.5100 |
| `5-9 years.2015` | 0.0000 | 0.0000 | -0.1511 | 0.8799 |
| `60-64 years.2015` | 0.0000 | 0.0000 | -0.0501 | 0.9601 |
| `65-69 years.2015` | 0.0000 | 0.0000 | -0.2801 | 0.7794 |
| `70-74 years.2015` | 0.0000 | 0.0000 | -0.6987 | 0.4848 |
| `75-79 years.2015` | 0.0000 | 0.0000 | -0.3429 | 0.7317 |
| `80-84 years.2015` | 0.0000 | 0.0000 | 0.3477 | 0.7281 |
| pd2020 | 0.1266 | 0.0138 | 9.1607 | 0.0000 |
| pg2020 | 0.1207 | 0.0137 | 8.8089 | 0.0000 |
|  | | | | |