

# The Impact of Antebellum Slavery on Contemporary Income Inequality

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The authors relate county-level data on the population of slaves in the antebellum South to present-day county-level Gini ratios on income inequality. Outside the five Deep Southern states of Louisiana, Mississippi, Alabama, Georgia, and South Carolina, the intensity of slavery in 1860 is associated with a lower degree of income inequality. Inside these same five states in counties where the population of slaves accounted for more than 71 percent of the county's total population in 1860, there is evidence of a strong positive relationship between slavery and contemporary income inequality.

**Keywords:** Slavery; Income Inequality; Gini Coefficients

Thomas Sowell [1, p. 83] writes that the unique experience of African-Americans as slaves in the antebellum South has "implications for present-day controversies over such issues as 'compensation' for past injustices." Nathan Nunn [2] writes that "[s]lavery had a long-term effect on inequality." This note examines the relationship between the 1860 percentage of slaves in each county of each state in the antebellum South and contemporary income inequality.

Understandably, present-day county boundaries have shifted since 1860, but ArcGIS software estimates where the people (slaves and free citizens) who lived in 1860 would live if present boundaries were imposed. We performed an areal weighted re-aggregation (AWR) of the data to account for these geographical changes. AWR estimates the values of one or more variables in a set of target zones based on known values that exist in a set of source zones. In other words, we estimated where the slaves and free citizens who lived in 1860 would live if present boundaries were imposed, using the 1860 county boundaries as the source zones and the current county boundaries as the target zones. Our analysis also includes independent cities, which are considered county-equivalent for census purposes.

## The Data

The 1860 Census was the last record of slavery before its abolishment in the aftermath of the Civil War. Our sample included the total population of slaves and free citizens by county for 1205 current counties across fifteen states: Alabama (67), Arkansas (75), Delaware (3), Florida (67), Georgia (159), Kentucky (120), Louisiana (64), Maryland (24), Mississippi (82), Missouri (115), North Carolina (100), South Carolina (46), Tennessee (95), Virginia (133), and West Virginia (55). West Virginia (previously a part of Virginia) did not become a state until 1863. We excluded Texas where far fewer Census forms in 1860 were returned than in any other Southern state. For each of the fifteen states, we summed across all counties and found statewide weighted average Gini ratios and the average percentage of slaves.<sup>1,2</sup> These results are reported in Table 1. Five of the six states with the highest percentage of slaves are in the contiguous Deep Southern states of Louisiana, Mississippi, Alabama, Georgia, and South Carolina.<sup>3</sup>

**Table 1. Percentage of Slaves (1860) and Gini Ratios (2014), by Southern State**

State	Number of counties	Gini <sup>1</sup>	Percentage of slaves <sup>2</sup>
Alabama	67	0.46	45.12
Arkansas	75	0.46	25.61
Delaware	3	0.44	1.67
Florida	67	0.47	44.17
Georgia	159	0.46	43.65
Kentucky	120	0.46	19.53
Louisiana	64	0.47	47.22
Maryland	24	0.43	12.37
Mississippi	82	0.47	55.12
Missouri	115	0.44	9.73
North Carolina	100	0.46	33.35
South Carolina	46	0.46	57.08
Tennessee	95	0.46	24.81
Virginia	134	0.42	38.73
West Virginia	55	0.45	4.89

<sup>1</sup>See [3].

<sup>2</sup>See [4].

## The Results

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To determine whether or not income inequality today is directly associated with the percentage of slaves in 1860 we regressed for all 1205 counties today's county-level Gini coefficient (hereafter, *GINI*) against the percentage of African-Americans living today in each county (*BLACKS*), the percentage of slaves (*SLAVES*), and the percentage of slaves squared (*SLAVES*<sup>2</sup>).<sup>4</sup> A Gini coefficient of 1 would represent complete income inequality and a Gini coefficient of 0 would represent complete income equality.

The OLS regression results were (*t*-values in parentheses):

$$\begin{aligned} GINI = & .45354 + .10665 BLACKS - .11436 SLAVES + .08034 SLAVES^2 \\ \dots\dots & (127.34) \quad (9.65) \quad (-5.95) \quad (3.12) \\ & R^2 = .266 \quad (n = 1205) \end{aligned}$$

The reported *t*-values have been adjusted for fifteen state clusters. The regression controls for state fixed effects. The larger the percentage of blacks in any given county in the South today, the higher the overall income inequality.

The relationship between the Gini and the percentage of slaves is U-shaped, with a turning point for all states in the antebellum South calculated to be 71.2 percent.<sup>5</sup> That is, as the percentage of slaves increases (up to 71.2 percent), the Gini falls. The percentage of slaves in forty-eight counties (of the 1205 counties in our sample) had a slave population that exceeded 71.2 percent of the county's total 1860 population. Curiously, forty-five of the forty-eight counties lie in one of the five Deep Southern states [Louisiana (11 counties, 17.2 percent of all state counties), Mississippi (16, 19.5 percent), Alabama (6, 9.0 percent), Georgia (6, 3.8 percent), and South Carolina (6, 13.0 percent)]. For these forty-five counties, the average percentage of blacks per county today is 54.0 percent. For the other 373 counties inside these five "black belt" states (but with a slave population that accounted for less than 71.2 percent of the county's total population in 1860), the average percentage of blacks per county today is 29.6 percent. And outside these five Deep South states (787 counties), the average percentage of blacks per county today is 11.4 percent.

How contemporary income inequality varies with the percentage of slaves living in each county in 1860 obviously depends on the location of the county. If the county is located *outside* the Deep South, there is an inverse relationship between contemporary income inequality and the historical percentage of slaves in that county. If the county is located *inside* the Deep South where the historical percentage of slaves was less than 71.2 percent, the relationship between income inequality and the historical percentage of slaves resembles what it is outside the Deep South. But, if the county is located *inside* the Deep South *and* the historical percentage of slaves was more than 71.2 percent, there is a strong direct relationship between contemporary income inequality and the historical percentage of slaves in that county.

Why does income inequality *increase* in counties in the Deep South that had a very high historical percentage of slaves? This relationship may result from the institutionalized discrimination that sustained slavery. Because the economy in the Deep South largely depended on plantation agriculture, slaveholders had a financial incentive to discourage slaves from escaping. The cheapest way to accomplish this was to ensure that slaves remained illiterate, making migration North almost impossible. After the Civil War, restrictive Jim Crow laws that limited educational opportunities for blacks, their political rights, and their access to capital may have

accentuated the income gap between rich (disproportionately few whites) and poor (disproportionately many blacks). G. Bertocchi and A. Dimico [5], among others, suggest that the primary reason for the positive effect of slavery on inequality is a persistent racial gap in exposure to formal schooling.

#### Concluding Remarks

The results presented in this paper show that in counties throughout the antebellum South with the highest concentration of slavery, income inequality today is highest. The passage of time has done little to remove the stain of historical slavery on contemporary income inequality in Deep South states where slavery in 1860 was particularly concentrated. In southern states outside the Deep South, however, the lingering effects of slavery on worsening income inequality are not quite so obvious.

In summary, using county-level data on slavery and inequality, we find that higher percentages of slaves in 1860 are associated with lower income inequality today. But, in counties in the Deep South where the percentage of slaves was more than 71.2 percent of the county's population in 1860, there is a strong direct relationship between that historical percentage of slaves and contemporary income inequality.

#### References

1. T. Sowell, *Markets and Minorities*, Basic Books, Inc., New York, 1981.
2. N. Nunn, "The Long-Term Effects of Africa's Slave Trades," *Quarterly Journal of Economics*, 2008, Vol. 123(1), pp. 139-176.
3. U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates, "Gini Index of Income Inequality," Table B19083. See [www.socialexplorer.com/tables/ACS2014\\_5yr/R11196098](http://www.socialexplorer.com/tables/ACS2014_5yr/R11196098)
4. M. R. Haines, "Historical, Demographic, Economic, and Social Data: The United States, 1790 – 2002," Inter-university Consortium for Political and Social Research (ICPSR 2896). See [www.socialexplorer.com/tables/Census1860/R11196094](http://www.socialexplorer.com/tables/Census1860/R11196094)
5. G. Bertocchi and A. Dimico, "Slavery, Education, and Inequality," Institute for the Study of Labor (IZA), Discussion Paper No. 5329, November 2010.

#### Footnotes

1. The weights assigned to each county's *GINI* is equal to that county's total population as a fraction of the state's total population in 2014.
2. The average percentage of slaves is the sum of slaves across all counties in a particular state divided by the total population (slaves plus free citizens) across all counties in that state.
3. T. Sowell [1, p. 87] refers to these five states as "the black belt" of cotton-growing lower southern states.
4. The data on county-level Gini ratios and the current population of blacks are from the 2014 American Community Survey 5-year estimates [3, 4]. All percentages have been converted to their decimal equivalents.

5. The turning point is found by taking the partial derivative of the Gini ratio,  $GINI$ , with respect to the percentage of slaves,  $SLAVES$ , setting this derivative equal to zero, and solving for  $SLAVES$  in terms of the estimated regression coefficients on  $SLAVES$  and  $SLAVES^2$ . Still, in other words,

$$\frac{\partial GINI}{\partial SLAVES} = -.11436 + 2 \times (.08034) \times SLAVES^* = 0$$

or  $SLAVES^* = .712$ ,

where  $SLAVES^* \times 100$  denotes the percentage of slaves at which the Gini ratio reaches a minimum.

<u>fips</u>	<u>county</u>	<u>state</u>	<u>gini</u>	<u>per slaves</u>	<u>per slaves2</u>	<u>per black</u>
1001	Autauga County	Alabama	0.41	57.46332388	3302.033591	18.60309054
1003	Baldwin County	Alabama	0.4517	48.03227347	2307.099295	9.365340865
1005	Barbour County	Alabama	0.4608	52.43522129	2749.452432	46.33282938
1007	Bibb County	Alabama	0.4365	32.67703269	1067.788466	21.17600318
1009	Blount County	Alabama	0.4134	7.7637034	60.27509048	1.535258912
1011	Bullock County	Alabama	0.446	52.21652559	2726.565545	71.44861124
1013	Butler County	Alabama	0.4591	38.8750141	1511.266721	43.73142328
1015	Calhoun County	Alabama	0.4545	20.268202	410.8000122	20.81818647
1017	Chambers County	Alabama	0.5023	50.46923786	2547.14397	40.25109266
1019	Cherokee County	Alabama	0.4658	16.48245725	271.6713971	4.926656939
1021	Chilton County	Alabama	0.4517	44.6467327	1993.330741	10.24188575
1023	Choctaw County	Alabama	0.4866	51.70477737	2673.384003	43.52576406
1025	Clarke County	Alabama	0.5249	50.38407085	2538.554595	45.00809285
1027	Clay County	Alabama	0.4373	29.63873798	878.4547888	14.58471029
1029	Cleburne County	Alabama	0.4432	17.90011804	320.4142258	2.868579053
1031	Coffee County	Alabama	0.4474	15.59931469	243.3386189	17.09379805
1033	Colbert County	Alabama	0.4361	45.79312591	2097.010381	15.98796131
1035	Conecuh County	Alabama	0.4952	43.01298306	1850.116711	44.82864844
1037	Coosa County	Alabama	0.4341	27.27066782	743.6893231	31.33279986
1039	Covington County	Alabama	0.4637	13.18941152	173.9605763	12.85076952
1041	Crenshaw County	Alabama	0.4589	46.60871962	2172.372745	23.45386713
1043	Cullman County	Alabama	0.4582	8.621309636	74.32697984	1.358655229
1045	Dale County	Alabama	0.434	16.42002956	269.6173707	19.41895107
1047	Dallas County	Alabama	0.5281	76.0487188	5783.407631	69.62075662
1049	DeKalb County	Alabama	0.4431	8.266986969	68.34307355	1.799532881
1051	Elmore County	Alabama	0.4103	42.73149573	1825.980728	20.70566851
1053	Escambia County	Alabama	0.4742	44.42986672	1974.013057	32.49303402
1055	Etowah County	Alabama	0.4458	15.06124788	226.8411877	15.36599889
1057	Fayette County	Alabama	0.467	13.09013935	171.3517482	12.26864093
1059	Franklin County	Alabama	0.4386	45.60584098	2079.892732	4.879512365
1061	Geneva County	Alabama	0.448	14.77991525	218.4458948	9.714349642
1063	Greene County	Alabama	0.4876	74.0181806	5478.69106	80.77972266
1065	Hale County	Alabama	0.5082	72.46219056	5250.769061	58.43565257
1067	Henry County	Alabama	0.4402	31.08571905	966.3219288	27.66068327
1069	Houston County	Alabama	0.473	27.19997014	739.8383758	26.15469688

1071	Jackson County	Alabama	0.4473	18.76615768	352.1686742	3.235116577
1073	Jefferson County	Alabama	0.497	23.00828232	529.3810554	42.28485476
1075	Lamar County	Alabama	0.4345	12.6673441	160.4616065	11.627418
1077	Lauderdale County	Alabama	0.4615	38.12528105	1453.537055	9.946109075
1079	Lawrence County	Alabama	0.4247	48.43633338	2346.078391	11.08615339
1081	Lee County	Alabama	0.4937	58.09580827	3375.122938	23.10169836
1083	Limestone County	Alabama	0.4541	52.42112412	2747.974254	12.77203529
1085	Lowndes County	Alabama	0.5281	69.6978199	4857.786099	73.82304451
1087	Macon County	Alabama	0.4703	67.3124181	4530.96163	81.62887101
1089	Madison County	Alabama	0.4701	54.51880803	2972.300429	23.98019981
1091	Marengo County	Alabama	0.5402	78.1984844	6115.002962	51.3055786
1093	Marion County	Alabama	0.4711	12.23194487	149.6204754	3.698365381
1095	Marshall County	Alabama	0.4659	15.96839427	254.9896154	1.809373041
1097	Mobile County	Alabama	0.4732	27.73243955	769.0882032	34.9326764
1099	Monroe County	Alabama	0.492	55.97778514	3133.512429	41.97876405
1101	Montgomery County	Alabama	0.4771	66.01333967	4357.761014	55.66484597
1103	Morgan County	Alabama	0.4488	33.17891508	1100.840406	12.03651122
1105	Perry County	Alabama	0.4924	65.64980893	4309.897413	68.35244536
1107	Pickens County	Alabama	0.4608	54.45711262	2965.577115	42.72759692
1109	Pike County	Alabama	0.4938	36.51563629	1333.391693	36.43725915
1111	Randolph County	Alabama	0.4525	9.571650896	91.61650088	20.04488646
1113	Russell County	Alabama	0.4535	58.62765978	3437.202492	41.83222183
1115	St. Clair County	Alabama	0.423	16.26578849	264.5758752	9.328734661
1117	Shelby County	Alabama	0.4253	28.53174499	814.0604724	11.45808478
1119	Sumter County	Alabama	0.4762	75.07663143	5636.500588	73.03655178
1121	Talladega County	Alabama	0.4514	37.25422383	1387.877193	31.89058808
1123	Tallapoosa County	Alabama	0.4444	28.03440685	785.9279672	27.74427897
1125	Tuscaloosa County	Alabama	0.4666	43.27582556	1872.797078	30.39009413
1127	Walker County	Alabama	0.4635	6.787082093	46.06448334	5.684855991
1129	Washington County	Alabama	0.4169	52.72108534	2779.51284	24.32747856
1131	Wilcox County	Alabama	0.5321	72.46505312	5251.183924	72.18263394
1133	Winston County	Alabama	0.4564	7.719879255	59.59653571	0.692612137
5001	Arkansas County	Arkansas	0.4663	55.56011832	3086.926747	25.67202163
5003	Ashley County	Arkansas	0.4573	46.49956497	2162.209542	26.06708028
5005	Baxter County	Arkansas	0.4395	3.421049817	11.70358185	0.279438208
5007	Benton County	Arkansas	0.437	4.144058655	17.17322214	1.346024049

5009	Boone County	Arkansas	0.4486	3.615324423	13.07057068	0.161424843
5011	Bradley County	Arkansas	0.4891	32.39511821	1049.443684	28.63202545
5013	Calhoun County	Arkansas	0.4337	24.65226858	607.7343463	24.74363844
5015	Carroll County	Arkansas	0.4315	3.572269188	12.76110715	0.814450156
5017	Chicot County	Arkansas	0.5465	81.80536633	6692.11796	53.98206981
5019	Clark County	Arkansas	0.4804	24.37795425	594.2846536	24.10526316
5021	Clay County	Arkansas	0.4192	4.237479393	17.9562316	0.089876099
5023	Cleburne County	Arkansas	0.4735	7.168408787	51.38608454	0.43422634
5025	Cleveland County	Arkansas	0.4447	38.4732149	1480.188265	11.58543678
5027	Columbia County	Arkansas	0.4634	29.30917891	859.0279683	36
5029	Conway County	Arkansas	0.4646	11.92217933	142.1383601	11.81582054
5031	Craighead County	Arkansas	0.4831	3.190876718	10.18169423	13.61045725
5033	Crawford County	Arkansas	0.4281	11.05686128	122.2541814	1.408815204
5035	Crittenden County	Arkansas	0.4558	44.85224025	2011.723455	51.20983816
5037	Cross County	Arkansas	0.4468	32.5181401	1057.429436	22.4097755
5039	Dallas County	Arkansas	0.4288	41.78903145	1746.32315	41.56399296
5041	Desha County	Arkansas	0.527	65.32542045	4267.410557	48.38120933
5043	Drew County	Arkansas	0.484	40.72573384	1658.585397	28.74632451
5045	Faulkner County	Arkansas	0.441	17.79290031	316.5873015	11.01151064
5047	Franklin County	Arkansas	0.4332	13.14456662	172.7796315	0.96325167
5049	Fulton County	Arkansas	0.4105	2.191846891	4.804192795	0.180062203
5051	Garland County	Arkansas	0.4763	8.177121159	66.86531045	8.288913681
5053	Grant County	Arkansas	0.404	30.10988771	906.605338	2.548018208
5055	Greene County	Arkansas	0.4287	3.597607706	12.94278121	0.84244822
5057	Hempstead County	Arkansas	0.4633	38.41976728	1476.078518	29.56866943
5059	Hot Spring County	Arkansas	0.4241	12.29033862	151.0524234	11.82498422
5061	Howard County	Arkansas	0.4683	25.780234	664.6204653	21.68797954
5063	Independence County	Arkansas	0.4578	9.382367249	88.0288152	2.512140202
5065	Izard County	Arkansas	0.4442	5.651872119	31.94365845	1.116698713
5067	Jackson County	Arkansas	0.4469	23.96022634	574.0924463	16.6741801
5069	Jefferson County	Arkansas	0.4732	48.21689034	2324.868514	55.51938919
5071	Johnson County	Arkansas	0.4784	12.45282513	155.0728537	1.896010236
5073	Lafayette County	Arkansas	0.4594	46.20583703	2134.979376	37.70802327
5075	Lawrence County	Arkansas	0.4238	5.276175922	27.83803236	0.798228748
5077	Lee County	Arkansas	0.4856	52.23131107	2728.109856	56.58555807
5079	Lincoln County	Arkansas	0.5077	48.28112104	2331.066649	29.56139729

5081	Little River County	Arkansas	0.4214	32.91724795	1083.545213	20.46374105
5083	Logan County	Arkansas	0.4596	10.7589771	115.7555883	1.80758281
5085	Lonoke County	Arkansas	0.3871	31.60720215	999.0152275	6.159616646
5087	Madison County	Arkansas	0.4481	3.808127805	14.50183738	0.375891947
5089	Marion County	Arkansas	0.4025	4.026455017	16.21234001	0.266118302
5091	Miller County	Arkansas	0.4337	50.55692139	2556.002301	24.74217332
5093	Mississippi County	Arkansas	0.4688	37.90186749	1436.551559	34.48496199
5095	Monroe County	Arkansas	0.4905	38.39784893	1474.394802	41.5658816
5097	Montgomery County	Arkansas	0.4202	3.125466692	9.768542045	0.699225473
5099	Nevada County	Arkansas	0.4563	34.55826515	1194.27369	30.55086178
5101	Newton County	Arkansas	0.4478	0.790002128	0.624103362	0.049194441
5103	Ouachita County	Arkansas	0.4582	34.52335086	1191.861754	39.78993745
5105	Perry County	Arkansas	0.4287	12.94706485	167.6264882	3.004830918
5107	Phillips County	Arkansas	0.5069	58.70762335	3446.58504	61.91778194
5109	Pike County	Arkansas	0.4508	8.364683894	69.96793665	2.923035666
5111	Poinsett County	Arkansas	0.4259	22.39665167	501.6100058	7.877991707
5113	Polk County	Arkansas	0.4558	4.25021738	18.06434777	0.224894886
5115	Pope County	Arkansas	0.4377	12.31448615	151.6465692	3.141002122
5117	Prairie County	Arkansas	0.4121	32.36949441	1047.784169	12.36578171
5119	Pulaski County	Arkansas	0.481	29.81624589	889.0085191	35.52419023
5121	Randolph County	Arkansas	0.4552	5.654083509	31.96866032	0.719343599
5123	St. Francis County	Arkansas	0.4704	35.30681838	1246.571424	51.59178062
5125	Saline County	Arkansas	0.3818	14.23308623	202.5807436	5.436853261
5127	Scott County	Arkansas	0.4451	5.483927215	30.0734577	0.263062409
5129	Searcy County	Arkansas	0.4383	1.777000916	3.157732254	0.323544052
5131	Sebastian County	Arkansas	0.4991	7.481959577	55.97971911	6.080393688
5133	Sevier County	Arkansas	0.4064	31.86352015	1015.283916	4.736231884
5135	Sharp County	Arkansas	0.4103	5.79635123	33.59768758	0.333002278
5137	Stone County	Arkansas	0.4937	5.839582993	34.10072953	0.151623973
5139	Union County	Arkansas	0.4719	51.14459878	2615.769985	32.954046
5141	Van Buren County	Arkansas	0.4571	4.290847698	18.41137397	0.860152136
5143	Washington County	Arkansas	0.4924	10.1482072	102.9861093	3.433409663
5145	White County	Arkansas	0.4667	17.29060617	298.9650618	4.330884701
5147	Woodruff County	Arkansas	0.4767	26.40194283	697.0625854	27.30476459
5149	Yell County	Arkansas	0.4342	15.52330618	240.9730348	1.121546458
####	Kent County	Delaware	0.4087	0.861277398	0.741798756	24.26183894

####	New Castle County	Delaware	0.4507	0.496242362	0.246256482	24.09763926
####	Sussex County	Delaware	0.4288	4.57973502	20.97397285	12.69234356
####	Alachua County	Florida	0.5168	53.88141997	2903.207418	20.21059823
####	Baker County	Florida	0.4348	19.93247746	397.3036579	14.22552389
####	Bay County	Florida	0.4347	23.90398548	571.4005219	10.43540592
####	Bradford County	Florida	0.4533	19.71789332	388.7953168	19.77714866
####	Brevard County	Florida	0.4474	23.90505955	571.4518719	10.20712673
####	Broward County	Florida	0.4782	9.688901528	93.87481281	27.48242822
####	Calhoun County	Florida	0.4378	35.52367046	1261.931163	13.2837552
####	Charlotte County	Florida	0.4314	29.33977448	860.8223668	5.776244093
####	Citrus County	Florida	0.4511	20.14036805	405.6344251	3.068590766
####	Clay County	Florida	0.407	28.4988877	812.1866003	9.581357637
####	Collier County	Florida	0.5324	15.47110152	239.3549822	6.746712749
####	Columbia County	Florida	0.4467	44.24718814	1957.813658	17.81206586
####	DeSoto County	Florida	0.4222	29.62529274	877.6579699	13.01710507
####	Dixie County	Florida	0.4071	28.98917859	840.3724752	10.08241928
####	Duval County	Florida	0.473	39.17722054	1534.854609	29.44933295
####	Escambia County	Florida	0.4504	34.06354733	1160.325257	21.97771121
####	Flagler County	Florida	0.4363	32.07324558	1028.693082	11.14899386
####	Franklin County	Florida	0.4904	27.61164654	762.4030246	15.44345136
####	Gadsden County	Florida	0.4535	57.48570026	3304.605734	55.16696895
####	Gilchrist County	Florida	0.4572	54.00595934	2916.643644	6.15411848
####	Glades County	Florida	0.4439	22.33504911	498.8544186	13.13115997
####	Gulf County	Florida	0.4413	34.18682097	1168.738728	18.370192
####	Hamilton County	Florida	0.4664	33.70943856	1136.326248	33.58219273
####	Hardee County	Florida	0.4835	29.62529274	877.6579699	7.328759665
####	Hendry County	Florida	0.4594	15.50367341	240.3638892	12.28623566
####	Hernando County	Florida	0.4201	17.00482892	289.1642066	5.30001381
####	Highlands County	Florida	0.4375	26.07039859	679.6656827	9.406580434
####	Hillsborough County	Florida	0.4792	18.92979151	358.3370066	16.68831291
####	Holmes County	Florida	0.4458	9.476102048	89.79651002	6.919608936
####	Indian River County	Florida	0.5251	8.536585366	72.87328971	9.037170553
####	Jackson County	Florida	0.4511	47.90629709	2295.0133	26.31911211
####	Jefferson County	Florida	0.448	64.54396364	4165.923243	36.56784095
####	Lafayette County	Florida	0.4979	28.85381366	832.542563	17.44700147
####	Lake County	Florida	0.4326	28.28876452	800.254198	9.706894856



####	Lee County	Florida	0.4727	15.48232063	239.7022521	8.600518258
####	Leon County	Florida	0.4939	73.24365293	5364.632695	31.00661488
####	Levy County	Florida	0.4556	37.53343901	1408.759044	9.199390868
####	Liberty County	Florida	0.4579	40.51868971	1641.764216	17.10431221
####	Madison County	Florida	0.452	54.58156968	2979.147749	38.78101688
####	Manatee County	Florida	0.4626	29.62529274	877.6579699	8.961707956
####	Marion County	Florida	0.4356	61.54145191	3787.350303	12.62235976
####	Martin County	Florida	0.516	13.78229174	189.9515655	5.681620762
####	Miami-Dade County	Florida	0.5199	2.409638554	5.806357962	18.80319633
####	Monroe County	Florida	0.5037	14.89428243	221.8396491	6.416870546
####	Nassau County	Florida	0.4471	44.2147984	1954.948398	6.579193251
####	Okaloosa County	Florida	0.4349	21.3944882	457.7241255	9.235173348
####	Okeechobee County	Florida	0.4766	13.26590566	175.984253	8.764404284
####	Orange County	Florida	0.4762	16.36784239	267.9062645	20.77882692
####	Osceola County	Florida	0.4175	8.699883277	75.68796903	11.23030309
####	Palm Beach County	Florida	0.5099	14.18511289	201.2174276	17.74266891
####	Pasco County	Florida	0.4419	16.75563879	280.7514311	4.753725581
####	Pinellas County	Florida	0.4791	18.91950522	357.947678	10.34009708
####	Polk County	Florida	0.4328	18.75417354	351.7190252	15.05386969
####	Putnam County	Florida	0.4686	38.43512845	1477.259099	16.19734667
####	St. Johns County	Florida	0.4825	33.48641361	1121.339897	5.39080245
####	St. Lucie County	Florida	0.4615	8.536585366	72.87328971	19.11031452
####	Santa Rosa County	Florida	0.4229	25.26256401	638.1971402	5.339989889
####	Sarasota County	Florida	0.4811	29.62529274	877.6579699	4.569136619
####	Seminole County	Florida	0.453	16.56741397	274.4792056	11.46354727
####	Sumter County	Florida	0.4185	33.94015133	1151.933872	8.745709106
####	Suwannee County	Florida	0.448	36.65881863	1343.868983	13.316745
####	Taylor County	Florida	0.4075	13.07630947	170.9898693	21.59100926
####	Union County	Florida	0.3982	19.90736851	396.3033212	20.09437672
####	Volusia County	Florida	0.4592	25.68668717	659.8058977	10.4476924
####	Wakulla County	Florida	0.3965	43.98797265	1934.941738	14.99919394
####	Walton County	Florida	0.4796	14.99649046	224.894726	5.468601373
####	Washington County	Florida	0.4363	28.83196394	831.2821448	14.76074615
####	Appling County	Georgia	0.4479	17.81675332	317.436699	18.73405353
####	Atkinson County	Georgia	0.4834	21.29236767	453.3649212	16.94588405
####	Bacon County	Georgia	0.4405	17.25488617	297.7310969	15.67524116

####	Baker County	Georgia	0.4761	69.51668064	4832.568887	46.43925793
####	Baldwin County	Georgia	0.5123	54.20594904	2938.284911	41.30937323
####	Banks County	Georgia	0.4094	22.94176125	526.3244091	2.866189878
####	Barrow County	Georgia	0.3726	30.69582365	942.2335898	11.83384364
####	Bartow County	Georgia	0.4173	27.11553121	735.2520327	10.70248385
####	Ben Hill County	Georgia	0.4829	15.35703392	235.8384908	34.99743546
####	Berrien County	Georgia	0.4526	12.44884968	154.9738584	10.84280551
####	Bibb County	Georgia	0.515	42.51998299	1807.948954	52.46365235
####	Bleckley County	Georgia	0.5324	46.980253	2207.144172	28.39993804
####	Brantley County	Georgia	0.4061	25.35284218	642.7666068	4.051345935
####	Brooks County	Georgia	0.4828	51.47594786	2649.773209	35.48775847
####	Bryan County	Georgia	0.4065	58.37690047	3407.862508	15.04116825
####	Bulloch County	Georgia	0.4998	38.42135594	1476.200592	28.24854045
####	Burke County	Georgia	0.4637	69.15527076	4782.451474	50.12102351
####	Butts County	Georgia	0.4143	47.56232721	2262.17497	27.99437556
####	Calhoun County	Georgia	0.6064	55.79986863	3113.625339	60.28401283
####	Camden County	Georgia	0.4048	76.28461422	5819.342367	18.91860215
####	Candler County	Georgia	0.5024	31.04900411	964.0406563	24.53871201
####	Carroll County	Georgia	0.4543	15.96871454	254.9998442	18.17612986
####	Catoosa County	Georgia	0.3924	14.14129718	199.9762858	2.671079978
####	Charlton County	Georgia	0.4529	32.61358556	1063.645963	26.10322187
####	Chatham County	Georgia	0.471	47.73234867	2278.377109	39.70134724
####	Chattahoochee County	Georgia	0.3433	47.87086695	2291.619903	19.03596151
####	Chattooga County	Georgia	0.4422	28.83961895	831.7236213	11.30905666
####	Cherokee County	Georgia	0.4112	10.59184115	112.187099	6.358160134
####	Clarke County	Georgia	0.5398	50.18745148	2518.780286	26.41605602
####	Clay County	Georgia	0.4742	46.16716115	2131.406769	64.14790997
####	Clayton County	Georgia	0.4229	28.89703436	835.0385947	66.55905473
####	Clinch County	Georgia	0.5403	14.91726229	222.5247142	26.8555408
####	Cobb County	Georgia	0.4566	26.29872044	691.6226966	26.15922812
####	Coffee County	Georgia	0.4737	22.66652131	513.7711881	27.47805435
####	Colquitt County	Georgia	0.4772	9.542282801	91.05516106	23.31528475
####	Columbia County	Georgia	0.4189	69.8903681	4884.663553	16.37101283
####	Cook County	Georgia	0.4688	13.01098774	169.2858018	27.5013188
####	Coweta County	Georgia	0.4175	48.85140077	2386.459357	17.73868314
####	Crawford County	Georgia	0.4181	55.76703548	3109.962247	22.69463944

####	Crisp County	Georgia	0.5032	45.68372585	2087.002807	43.0714011
####	Dade County	Georgia	0.4207	10.02262376	100.452987	0.943567411
####	Dawson County	Georgia	0.4677	8.487493523	72.0375463	0.44
####	Decatur County	Georgia	0.5228	49.67624934	2467.729748	41.53700742
####	DeKalb County	Georgia	0.4903	25.57719215	654.1927581	53.82113591
####	Dodge County	Georgia	0.4458	44.08123496	1943.155276	28.89772993
####	Dooly County	Georgia	0.4639	45.67114431	2085.853422	51.72748044
####	Dougherty County	Georgia	0.5197	73.06110069	5337.924435	67.55671531
####	Douglas County	Georgia	0.4079	22.33875164	499.0198249	41.27683524
####	Early County	Georgia	0.4844	65.50315495	4290.663308	50.11254924
####	Echols County	Georgia	0.4583	21.51008321	462.6836799	1.543056247
####	Effingham County	Georgia	0.3834	46.74118467	2184.738344	13.88966519
####	Elbert County	Georgia	0.4641	54.51716839	2972.121649	30.37473342
####	Emanuel County	Georgia	0.4855	25.7502142	663.0735312	33.80845541
####	Evans County	Georgia	0.4651	27.53376597	758.1082687	30.37357379
####	Fannin County	Georgia	0.4404	2.793072928	7.801256378	0.241198375
####	Fayette County	Georgia	0.4196	28.88342383	834.252172	20.53831187
####	Floyd County	Georgia	0.4612	38.62176204	1491.640503	14.54558692
####	Forsyth County	Georgia	0.4168	11.49442849	132.1218863	2.969141215
####	Franklin County	Georgia	0.4278	17.91765942	321.042519	9.246746179
####	Fulton County	Georgia	0.54	20.23667025	409.5228226	44.09864543
####	Gilmer County	Georgia	0.4577	2.638094928	6.959544847	0.998558419
####	Glascock County	Georgia	0.3916	34.35839517	1180.499319	7.712248866
####	Glynn County	Georgia	0.4881	72.63796066	5276.273329	25.75830584
####	Gordon County	Georgia	0.4362	20.80289026	432.7602434	4.634786045
####	Grady County	Georgia	0.4735	53.95045835	2910.651956	28.32124886
####	Greene County	Georgia	0.5503	66.37648397	4405.837624	37.05373687
####	Gwinnett County	Georgia	0.4248	19.58753567	383.6715535	24.74886918
####	Habersham County	Georgia	0.4226	13.18577898	173.8647673	3.809238152
####	Hall County	Georgia	0.4461	13.46300832	181.2525931	7.544329207
####	Hancock County	Georgia	0.4712	67.35392149	4536.55074	73.11732832
####	Haralson County	Georgia	0.4388	7.941234916	63.06321199	5.206035781
####	Harris County	Georgia	0.43	56.18259909	3156.48444	16.65386152
####	Hart County	Georgia	0.4686	24.92963753	621.4868275	19.84176966
####	Heard County	Georgia	0.4092	36.7306468	1349.140414	10.15932842
####	Henry County	Georgia	0.3976	42.15556398	1777.091575	38.39019654

####	Houston County	Georgia	0.4163	68.80142189	4733.635654	29.17897021
####	Irwin County	Georgia	0.4848	14.55999718	211.9935178	29.18160726
####	Jackson County	Georgia	0.4194	31.3796023	984.6794407	7.252823004
####	Jasper County	Georgia	0.451	64.78681063	4197.330832	21.11086686
####	Jeff Davis County	Georgia	0.4245	20.22098719	408.888323	15.77056162
####	Jefferson County	Georgia	0.4608	58.94709407	3474.759899	54.63332125
####	Jenkins County	Georgia	0.4985	59.39441271	3527.696261	34.48942461
####	Johnson County	Georgia	0.4594	30.09595459	905.7664829	34.28426396
####	Jones County	Georgia	0.4378	65.25800449	4258.60715	25.47684397
####	Lamar County	Georgia	0.4305	55.00645161	3025.709719	30.77559576
####	Lanier County	Georgia	0.4482	27.28158343	744.2847942	24.5171881
####	Laurens County	Georgia	0.5039	46.34492928	2147.85247	36.3183976
####	Lee County	Georgia	0.4193	68.6338312	4710.602785	20.02082972
####	Liberty County	Georgia	0.4224	72.5437148	5262.590557	40.45341066
####	Lincoln County	Georgia	0.4532	68.93973383	4752.686901	32.01282051
####	Long County	Georgia	0.367	72.64588458	5277.424547	26.32930419
####	Lowndes County	Georgia	0.4734	45.53195658	2073.15907	36.17562103
####	Lumpkin County	Georgia	0.4362	9.339801069	87.23188401	2.301507211
####	McDuffie County	Georgia	0.4652	64.47683079	4157.261709	41.49700877
####	McIntosh County	Georgia	0.457	73.24283643	5364.513089	33.95427604
####	Macon County	Georgia	0.4655	59.00438337	3481.517257	62.28920742
####	Madison County	Georgia	0.4088	34.29830587	1176.373786	8.272333168
####	Marion County	Georgia	0.455	47.91924896	2296.254421	31.1621529
####	Meriwether County	Georgia	0.4537	57.11458987	3262.076376	38.97545955
####	Miller County	Georgia	0.4872	39.35854122	1549.094767	30.24763171
####	Mitchell County	Georgia	0.4712	37.02649746	1370.961514	47.81877023
####	Monroe County	Georgia	0.4318	62.96025279	3963.993431	24.08167836
####	Montgomery County	Georgia	0.4552	32.08167511	1029.233878	26.43333333
####	Morgan County	Georgia	0.4438	70.02000822	4902.801551	24.19679839
####	Murray County	Georgia	0.4066	19.955412	398.2184679	1.151816521
####	Muscogee County	Georgia	0.49	44.9941038	2024.469377	44.83195206
####	Newton County	Georgia	0.4207	45.64618138	2083.573875	41.38104292
####	Oconee County	Georgia	0.4354	50.76569598	2577.155889	5.629423436
####	Oglethorpe County	Georgia	0.4011	64.90552964	4212.727778	15.22966996
####	Paulding County	Georgia	0.3937	9.455517857	89.40681794	17.64366434
####	Peach County	Georgia	0.4532	68.13793883	4642.778707	46.23038373

####	Pickens County	Georgia	0.4431	4.99217996	24.92186075	1.343485618
####	Pierce County	Georgia	0.4682	12.0645695	145.5538373	8.700954401
####	Pike County	Georgia	0.4204	46.806682	2190.86548	10.95898098
####	Polk County	Georgia	0.4311	38.36492949	1471.867815	13.24848485
####	Pulaski County	Georgia	0.4273	46.85360847	2195.260627	32.87436928
####	Putnam County	Georgia	0.4594	70.33870443	4947.533341	27.06115142
####	Quitman County	Georgia	0.4071	46.66265172	2177.403065	52.92895721
####	Rabun County	Georgia	0.5062	6.947660904	48.26999204	1.536853753
####	Randolph County	Georgia	0.6519	46.71914275	2182.678299	61.62461206
####	Richmond County	Georgia	0.479	39.97293023	1597.835151	54.50249448
####	Rockdale County	Georgia	0.4171	44.57207743	1986.670086	48.52763866
####	Schley County	Georgia	0.479	50.71749458	2572.264257	26.09814009
####	Screven County	Georgia	0.4796	54.87085157	3010.810352	42.13990617
####	Seminole County	Georgia	0.4595	49.77129369	2477.181675	33.72330759
####	Spalding County	Georgia	0.4629	43.82860221	1920.946372	32.7979858
####	Stephens County	Georgia	0.4449	16.52671706	273.1323769	12.15182005
####	Stewart County	Georgia	0.4647	58.5644731	3429.79751	54.18644068
####	Sumter County	Georgia	0.4814	52.08164673	2712.497926	51.70733241
####	Talbot County	Georgia	0.4858	62.78413727	3941.847893	57.99211404
####	Taliaferro County	Georgia	0.4115	62.25298337	3875.433938	53.29411765
####	Tattnell County	Georgia	0.4575	26.89913261	723.5633354	28.90440133
####	Taylor County	Georgia	0.4671	41.56392077	1727.55951	39.44738389
####	Telfair County	Georgia	0.4484	30.70283274	942.6639383	38.47692961
####	Terrell County	Georgia	0.4664	47.30130397	2237.413357	60.26440241
####	Thomas County	Georgia	0.4927	57.91995006	3354.720615	36.98611763
####	Tift County	Georgia	0.5123	16.28951029	265.3481456	29.25026399
####	Toombs County	Georgia	0.497	27.39510619	750.4918431	25.6086829
####	Towns County	Georgia	0.4524	4.459048949	19.88311753	0.965323336
####	Treutlen County	Georgia	0.4742	29.81772671	889.0968263	31.57351423
####	Troup County	Georgia	0.4781	61.28619893	3755.99818	33.97879342
####	Turner County	Georgia	0.4926	26.49837	702.1636127	42.66870804
####	Twiggs County	Georgia	0.5104	63.83129075	4074.433679	43.4277752
####	Union County	Georgia	0.427	2.902125519	8.422332528	0.719157426
####	Upson County	Georgia	0.4307	49.63348883	2463.483214	28.33477006
####	Walker County	Georgia	0.4468	15.38131433	236.5848307	4.394769523
####	Walton County	Georgia	0.4144	41.86411432	1752.604068	15.61057884

####	Ware County	Georgia	0.4661	16.79943366	282.2209714	29.83989976
####	Warren County	Georgia	0.476	54.87485018	3011.249182	60.22040526
####	Washington County	Georgia	0.4738	51.35843876	2637.689231	52.57178467
####	Wayne County	Georgia	0.4457	23.62423818	558.1046297	21.1203182
####	Webster County	Georgia	0.4276	45.81274538	2098.807639	51.56705539
####	Wheeler County	Georgia	0.434	32.53388986	1058.453989	41.5279879
####	White County	Georgia	0.4301	8.101810864	65.63933928	3.421033558
####	Whitfield County	Georgia	0.4628	17.23212648	296.9461831	4.110266455
####	Wilcox County	Georgia	0.4484	20.09931407	403.9824261	36.97163668
####	Wilkes County	Georgia	0.4525	69.55143169	4837.40165	42.67509632
####	Wilkinson County	Georgia	0.4229	41.67835275	1737.085088	37.65203596
####	Worth County	Georgia	0.4351	23.72057952	562.6658925	28.75263281
####	Adair County	Kentucky	0.4393	16.901905	285.6743927	2.732240437
####	Allen County	Kentucky	0.4285	17.25840195	297.8524378	1.854691132
####	Anderson County	Kentucky	0.372	19.94995373	398.0006538	2.404911374
####	Ballard County	Kentucky	0.4473	19.76630166	390.7066812	3.54121344
####	Barren County	Kentucky	0.4423	24.31882413	591.4052068	4.359232625
####	Bath County	Kentucky	0.4921	20.71805248	429.2376986	1.903959562
####	Bell County	Kentucky	0.4729	4.724817522	22.32390061	2.599702486
####	Boone County	Kentucky	0.4001	15.56361998	242.2262668	3.056165163
####	Bourbon County	Kentucky	0.4571	45.3814274	2059.473952	7.200080112
####	Boyd County	Kentucky	0.4949	2.593537305	6.726435751	2.666422972
####	Boyle County	Kentucky	0.4685	34.74268547	1207.054194	6.89193825
####	Bracken County	Kentucky	0.431	6.913022489	47.78987993	0.011821728
####	Breathitt County	Kentucky	0.4604	3.766060697	14.18321317	0.50501354
####	Breckinridge County	Kentucky	0.4026	17.56267296	308.4474816	2.530384539
####	Bullitt County	Kentucky	0.3684	18.8883266	356.7688818	0.65183394
####	Butler County	Kentucky	0.4519	9.988051035	99.76116347	1.047120419
####	Caldwell County	Kentucky	0.4472	25.4416965	647.2799208	5.986024845
####	Calloway County	Kentucky	0.4736	14.93758135	223.1313365	3.880887812
####	Campbell County	Kentucky	0.4337	0.61070995	0.372966644	3.020773984
####	Carlisle County	Kentucky	0.4141	19.77010825	390.8571802	1.391373484
####	Carroll County	Kentucky	0.4447	15.8657855	251.7231495	1.720172937
####	Carter County	Kentucky	0.4263	3.632964297	13.19842958	0.776267357
####	Casey County	Kentucky	0.4482	11.67230413	136.2426836	1.106111736
####	Christian County	Kentucky	0.4512	45.68788072	2087.382445	19.92774547

####	Clark County	Kentucky	0.4392	41.41226477	1714.975674	5.233912385
####	Clay County	Kentucky	0.4915	5.175939946	26.79035433	4.644222699
####	Clinton County	Kentucky	0.4806	4.91520936	24.15928306	0.726059655
####	Crittenden County	Kentucky	0.4628	10.85871816	117.9117602	0.886103307
####	Cumberland County	Kentucky	0.4628	19.05653085	363.1513679	3.353346024
####	Daviess County	Kentucky	0.4276	22.81420904	520.488134	4.616361606
####	Edmonson County	Kentucky	0.4307	6.14926044	37.81340396	1.441871962
####	Elliott County	Kentucky	0.4708	2.667648694	7.116349554	3.084436448
####	Estill County	Kentucky	0.4463	9.24296513	85.4324044	0.522444449
####	Fayette County	Kentucky	0.4929	44.21314915	1954.802558	14.4242675
####	Fleming County	Kentucky	0.5028	16.29990633	265.6869464	1.55808342
####	Floyd County	Kentucky	0.4789	2.267246316	5.140405856	0.887763195
####	Franklin County	Kentucky	0.4323	27.10895848	734.8956301	10.45466481
####	Fulton County	Kentucky	0.465	20.28351641	411.4210378	24.51908397
####	Gallatin County	Kentucky	0.3904	14.02523282	196.7071557	1.543137713
####	Garrard County	Kentucky	0.4207	33.88910461	1148.471411	1.522511848
####	Grant County	Kentucky	0.4023	8.826772487	77.91191253	0.218915961
####	Graves County	Kentucky	0.4567	17.56758791	308.6201448	4.675442578
####	Grayson County	Kentucky	0.4806	4.932891489	24.33341844	0.886866662
####	Green County	Kentucky	0.4705	26.48940979	701.6888311	2.959055963
####	Greenup County	Kentucky	0.4439	4.127288936	17.03451396	0.742034046
####	Hancock County	Kentucky	0.397	13.54399192	183.4397171	0.970649411
####	Hardin County	Kentucky	0.4256	16.71152189	279.2749638	12.41853763
####	Harlan County	Kentucky	0.4792	2.561999118	6.563839478	2.233509602
####	Harrison County	Kentucky	0.4804	24.33231059	592.0613385	2.118757711
####	Hart County	Kentucky	0.4653	13.44214747	180.6913287	4.813588756
####	Henderson County	Kentucky	0.4563	40.23147816	1618.571835	7.175496831
####	Henry County	Kentucky	0.4188	27.38278842	749.8171018	3.266999417
####	Hickman County	Kentucky	0.3723	17.88534211	319.8854625	9.561586639
####	Hopkins County	Kentucky	0.4417	17.02217361	289.7543945	6.085596778
####	Jackson County	Kentucky	0.4663	1.375411618	1.89175712	0.022438295
####	Jefferson County	Kentucky	0.4847	11.58123321	134.1249626	20.63979986
####	Jessamine County	Kentucky	0.4869	39.40776051	1552.971588	3.112840467
####	Johnson County	Kentucky	0.4549	0.546223497	0.298360109	0.2864472
####	Kenton County	Kentucky	0.4433	2.274779202	5.17462042	4.637000896
####	Knott County	Kentucky	0.471	2.590956498	6.713055576	0.88605242

####	Knox County	Kentucky	0.4707	6.236239502	38.89068312	1.572652792
####	Larue County	Kentucky	0.4314	13.54083711	183.3542697	3.406601173
####	Laurel County	Kentucky	0.4682	3.469672498	12.03862724	0.851599899
####	Lawrence County	Kentucky	0.471	1.944097617	3.779515544	0.107255521
####	Lee County	Kentucky	0.4913	2.882661508	8.30973737	1.314932951
####	Leslie County	Kentucky	0.484	4.039235546	16.31542379	0.23364486
####	Letcher County	Kentucky	0.4668	2.687855823	7.224568928	0.58418527
####	Lewis County	Kentucky	0.4767	3.217239837	10.35063217	0.129982669
####	Lincoln County	Kentucky	0.4471	32.01997775	1025.278975	2.489203944
####	Livingston County	Kentucky	0.4263	16.90969135	285.9376616	0.307105793
####	Logan County	Kentucky	0.4354	33.46840435	1120.13409	6.571300849
####	Lyon County	Kentucky	0.4239	20.15956481	406.4080533	6.33392751
####	McCracken County	Kentucky	0.4857	16.78849389	281.853527	10.77732855
####	McCreary County	Kentucky	0.4666	7.248605991	52.54228882	6.03109611
####	McLean County	Kentucky	0.4112	14.59861509	213.1195626	0.47318612
####	Madison County	Kentucky	0.4557	35.14981673	1235.509616	4.370357373
####	Magoffin County	Kentucky	0.4638	2.038191787	4.154225761	0.015295197
####	Marion County	Kentucky	0.4471	27.51913666	757.3028826	9.656899574
####	Marshall County	Kentucky	0.4153	5.43743662	29.565717	0.28504628
####	Martin County	Kentucky	0.4915	1.332408566	1.775312586	4.305882353
####	Mason County	Kentucky	0.5156	20.5926458	424.0570609	6.701919761
####	Meade County	Kentucky	0.4321	21.68788668	470.3644286	4.369414101
####	Menifee County	Kentucky	0.4365	20.8883525	436.3232703	0.536531482
####	Mercer County	Kentucky	0.4374	23.93622482	572.9428586	3.86185538
####	Metcalfe County	Kentucky	0.4533	12.43497518	154.6286076	1.266832918
####	Monroe County	Kentucky	0.458	11.27561974	127.1396004	2.06699271
####	Montgomery County	Kentucky	0.4852	35.36093027	1250.39539	3.027832339
####	Morgan County	Kentucky	0.468	1.888031524	3.564663037	3.076467978
####	Muhlenberg County	Kentucky	0.4265	14.91408064	222.4298014	4.558631455
####	Nelson County	Kentucky	0.4454	34.41260392	1184.227308	5.106882994
####	Nicholas County	Kentucky	0.4283	16.20904718	262.7332106	0.382219706
####	Ohio County	Kentucky	0.4539	10.85533233	117.8382399	2.387710803
####	Oldham County	Kentucky	0.4226	33.06824287	1093.508686	4.21156682
####	Owen County	Kentucky	0.4447	13.69525562	187.5600264	1.610800745
####	Owsley County	Kentucky	0.5201	2.106063779	4.435504639	0.789586001
####	Pendleton County	Kentucky	0.4446	4.176728973	17.44506491	0.512225106



####	Perry County	Kentucky	0.4841	1.924339907	3.703084078	1.213686706
####	Pike County	Kentucky	0.4821	1.333343794	1.777805673	0.866728798
####	Powell County	Kentucky	0.4951	11.84407167	140.2820338	0.199171447
####	Pulaski County	Kentucky	0.5056	8.275694754	68.48712366	1.138493032
####	Robertson County	Kentucky	0.4562	14.86504477	220.969556	0
####	Rockcastle County	Kentucky	0.4641	8.268299653	68.36477915	0.141467728
####	Rowan County	Kentucky	0.4463	7.438896784	55.33718537	1.65637641
####	Russell County	Kentucky	0.4684	9.619515732	92.53508292	0.487362575
####	Scott County	Kentucky	0.4094	39.35308097	1548.664982	5.206744361
####	Shelby County	Kentucky	0.4189	38.45044994	1478.437101	7.351827631
####	Simpson County	Kentucky	0.4048	29.00566964	841.3288711	9.600592559
####	Spencer County	Kentucky	0.3469	33.80988339	1143.108215	1.773925024
####	Taylor County	Kentucky	0.4289	21.63938913	468.2631621	4.629075382
####	Todd County	Kentucky	0.4226	41.70798941	1739.556381	8.552684215
####	Trigg County	Kentucky	0.4355	30.75681607	945.9817345	8.209007495
####	Trimble County	Kentucky	0.3879	14.23231881	202.5588986	1.349818512
####	Union County	Kentucky	0.4435	24.23625755	587.39618	12.97393365
####	Warren County	Kentucky	0.468	30.5187139	931.3918982	9.278051362
####	Washington County	Kentucky	0.414	24.68624506	609.4106952	5.964114228
####	Wayne County	Kentucky	0.4571	9.515740763	90.54932228	2.113083751
####	Webster County	Kentucky	0.4366	15.7444938	247.889085	4.756949606
####	Whitley County	Kentucky	0.454	2.377697729	5.653446491	0.804342324
####	Wolfe County	Kentucky	0.5086	2.675483949	7.15821436	0.206242266
####	Woodford County	Kentucky	0.4518	49.79586548	2479.628219	4.906365552
####	Acadia Parish	Louisiana	0.4636	49.49263455	2449.520875	17.63150683
####	Allen Parish	Louisiana	0.4599	24.58633259	604.4877503	18.99108637
####	Ascension Parish	Louisiana	0.4035	63.98618463	4094.231823	22.41069203
####	Assumption Parish	Louisiana	0.4502	53.45357436	2857.284612	29.74104445
####	Avoyelles Parish	Louisiana	0.4635	55.31549767	3059.804282	29.47793481
####	Beauregard Parish	Louisiana	0.4515	22.02210229	484.9729893	13.15461519
####	Bienville Parish	Louisiana	0.498	45.50815924	2070.992557	42.34527687
####	Bossier Parish	Louisiana	0.4359	70.2412698	4933.835983	21.21015765
####	Caddo Parish	Louisiana	0.5011	60.61208814	3673.825229	47.64742945
####	Calcasieu Parish	Louisiana	0.4717	19.76640169	390.7106358	25.0129525
####	Caldwell Parish	Louisiana	0.5141	40.72373155	1658.422311	17.52597922
####	Cameron Parish	Louisiana	0.4073	24.32092504	591.5073949	3.083569194

####	Catahoula Parish	Louisiana	0.5277	55.43247529	3072.759316	31.62659398
####	Claiborne Parish	Louisiana	0.4663	46.49624278	2161.900593	50.28245228
####	Concordia Parish	Louisiana	0.4886	89.02317691	7925.126027	40.94812946
####	De Soto Parish	Louisiana	0.4674	63.86741827	4079.047116	38.57534856
####	East Baton Rouge Parish	Louisiana	0.4873	53.76996749	2891.209404	45.4745062
####	East Carroll Parish	Louisiana	0.4998	77.46228837	6000.40612	69.85003946
####	East Feliciana Parish	Louisiana	0.4504	71.97724477	5180.723765	44.96092967
####	Evangeline Parish	Louisiana	0.4985	49.59595835	2459.759084	28.22843271
####	Franklin Parish	Louisiana	0.4833	65.81219085	4331.244464	32.71494309
####	Grant Parish	Louisiana	0.4447	52.73921858	2781.425176	15.76711532
####	Iberia Parish	Louisiana	0.4816	68.19414485	4650.441392	31.69322574
####	Iberville Parish	Louisiana	0.4881	72.58704638	5268.879302	48.74007491
####	Jackson Parish	Louisiana	0.4533	43.4126683	1884.659769	30.16852892
####	Jefferson Parish	Louisiana	0.4742	27.25988643	743.1014081	26.57826423
####	Jefferson Davis Parish	Louisiana	0.4834	23.85171969	568.9045322	17.25835133
####	Lafayette Parish	Louisiana	0.4868	49.6985839	2469.949242	25.74270883
####	Lafourche Parish	Louisiana	0.4559	47.84521884	2289.164966	13.34498894
####	LaSalle Parish	Louisiana	0.4628	52.34304712	2739.794582	12.58572005
####	Lincoln Parish	Louisiana	0.5434	43.06293362	1854.416252	40.80181191
####	Livingston Parish	Louisiana	0.4229	30.6081804	936.8607077	5.903450363
####	Madison Parish	Louisiana	0.5058	87.42808981	7643.670887	61.30079947
####	Morehouse Parish	Louisiana	0.519	63.55426079	4039.144064	47.49807826
####	Natchitoches Parish	Louisiana	0.5323	56.04656362	3141.217293	40.77085292
####	Orleans Parish	Louisiana	0.5618	8.305941136	68.98865815	59.60984718
####	Ouachita Parish	Louisiana	0.4963	59.82699423	3579.269239	37.07827543
####	Plaquemines Parish	Louisiana	0.4412	48.05490242	2309.273646	21.26141431
####	Pointe Coupee Parish	Louisiana	0.4616	73.07651341	5340.176812	35.80486943
####	Rapides Parish	Louisiana	0.4756	60.42912648	3651.679327	32.12278459
####	Red River Parish	Louisiana	0.5081	55.22313729	3049.594892	39.23016672
####	Richland Parish	Louisiana	0.458	66.3692093	4404.871943	36.0566083
####	Sabine Parish	Louisiana	0.503	31.45520933	989.430194	17.00979988
####	St. Bernard Parish	Louisiana	0.4302	11.92833257	142.285118	20.38721603
####	St. Charles Parish	Louisiana	0.4195	70.42590735	4959.808426	26.26007298
####	St. Helena Parish	Louisiana	0.4897	52.19349056	2724.160457	52.7018378
####	St. James Parish	Louisiana	0.4416	70.08598175	4912.044838	50.29382059
####	St. John the Baptist Parish	Louisiana	0.4227	59.47719961	3537.537274	54.02064169

####	St. Landry Parish	Louisiana	0.4973	50.17386226	2517.416454	40.90615197
####	St. Martin Parish	Louisiana	0.4611	58.49460389	3421.618685	30.45832308
####	St. Mary Parish	Louisiana	0.4626	77.09620075	5943.82417	31.28811542
####	St. Tammany Parish	Louisiana	0.4543	33.96314972	1153.495539	11.730758
####	Tangipahoa Parish	Louisiana	0.4626	38.78243597	1504.07734	29.93917422
####	Tensas Parish	Louisiana	0.4909	89.79167317	8062.54457	56.30990415
####	Terrebonne Parish	Louisiana	0.4452	55.98015774	3133.778061	18.99221696
####	Union Parish	Louisiana	0.475	36.41662457	1326.170545	25.57132122
####	Vermilion Parish	Louisiana	0.462	34.29550308	1176.181532	14.02592542
####	Vernon Parish	Louisiana	0.3996	56.43465384	3184.870154	14.22488835
####	Washington Parish	Louisiana	0.4882	36.23008473	1312.619039	30.24848576
####	Webster Parish	Louisiana	0.4766	53.96393153	2912.105906	34.06456346
####	West Baton Rouge Parish	Louisiana	0.438	71.92841778	5173.697285	37.3351953
####	West Carroll Parish	Louisiana	0.478	77.05219128	5937.040181	16.15170977
####	West Feliciana Parish	Louisiana	0.4655	81.83647908	6697.209308	45.71520827
####	Winn Parish	Louisiana	0.4912	20.62614149	425.4377128	31
####	Allegany County	Maryland	0.4603	2.417020113	5.841986224	8.09857251
####	Anne Arundel County	Maryland	0.4133	30.8978423	954.6766585	15.71431427
####	Baltimore County	Maryland	0.4404	5.96014497	35.52332806	26.81455755
####	Calvert County	Maryland	0.3745	44.2131519	1954.802801	13.14801822
####	Caroline County	Maryland	0.4202	7.588814142	57.59010008	14.13657316
####	Carroll County	Maryland	0.3944	3.585186362	12.85356125	3.227020472
####	Cecil County	Maryland	0.4022	3.987417824	15.8995009	6.851468031
####	Charles County	Maryland	0.3821	58.37757318	3407.94105	41.59777424
####	Dorchester County	Maryland	0.4649	20.1307976	405.2490119	27.95731894
####	Frederick County	Maryland	0.3955	7.007106913	49.09954729	8.738448421
####	Garrett County	Maryland	0.4417	2.351914885	5.531503628	0.831524462
####	Harford County	Maryland	0.3999	7.648541142	58.5001816	13.20893928
####	Howard County	Maryland	0.3967	21.54119088	464.0229046	18.07938677
####	Kent County	Maryland	0.4293	18.5957777	345.8029483	15.53756994
####	Montgomery County	Maryland	0.4558	29.59922994	876.1144128	17.40297109
####	Prince George's County	Maryland	0.3952	53.3386649	2845.013173	63.75349811
####	Queen Anne's County	Maryland	0.4022	26.04006425	678.0849461	7.076942133
####	St. Mary's County	Maryland	0.3925	43.20387384	1866.574715	14.34379379
####	Somerset County	Maryland	0.4491	20.35858764	414.4720906	41.62308661
####	Talbot County	Maryland	0.4935	25.16607107	633.3311331	13.46387291

####	Washington County	Maryland	0.4317	4.762937864	22.68557709	10.40204683
####	Wicomico County	Maryland	0.4547	19.25153405	370.6215633	24.30760341
####	Worcester County	Maryland	0.4718	17.66327953	311.9914438	14.32561387
####	Baltimore City	Maryland	0.5056	1.167195747	1.362345913	63.04520056
####	Adams County	Mississippi	0.5222	71.30503966	5084.40868	56.73988008
####	Alcorn County	Mississippi	0.4539	21.49704938	462.123132	11.37637812
####	Amite County	Mississippi	0.4598	63.79524955	4069.833865	42.27830516
####	Attala County	Mississippi	0.4784	35.64679405	1270.693926	42.7083873
####	Benton County	Mississippi	0.5216	39.30993038	1545.270626	36.62661845
####	Bolivar County	Mississippi	0.4959	86.22707321	7435.108154	64.17361091
####	Calhoun County	Mississippi	0.4551	20.30902128	412.4563452	27.40381376
####	Carroll County	Mississippi	0.477	62.6639385	3926.769188	33.75887886
####	Chickasaw County	Mississippi	0.4697	55.00866142	3025.952831	43.28959484
####	Choctaw County	Mississippi	0.4473	30.56718486	934.3527904	31.34897012
####	Claiborne County	Mississippi	0.4895	78.34405098	6137.790323	84.48275862
####	Clarke County	Mississippi	0.4623	47.00328703	2209.308992	35.58664971
####	Clay County	Mississippi	0.4983	62.16602528	3864.614699	58.25903792
####	Coahoma County	Mississippi	0.523	75.89510924	5760.067607	75.92353195
####	Copiah County	Mississippi	0.4924	52.31954793	2737.335096	51.53644757
####	Covington County	Mississippi	0.4512	35.22912218	1241.09105	35.850218
####	DeSoto County	Mississippi	0.3824	58.58375735	3432.056625	23.08529705
####	Forrest County	Mississippi	0.5098	28.11648769	790.53688	36.57479746
####	Franklin County	Mississippi	0.4523	58.32956379	3402.338012	35.59919436
####	George County	Mississippi	0.4486	27.61238993	762.4440779	7.944250871
####	Greene County	Mississippi	0.4323	31.7160872	1005.910187	25.65697512
####	Grenada County	Mississippi	0.5411	56.8954901	3237.096794	42.99630656
####	Hancock County	Mississippi	0.4368	27.15202325	737.2323665	8.700372208
####	Harrison County	Mississippi	0.4473	21.14387806	447.0635796	22.85196393
####	Hinds County	Mississippi	0.4946	71.37363859	5094.196286	70.07395561
####	Holmes County	Mississippi	0.5177	67.04607648	4495.176371	82.61534405
####	Humphreys County	Mississippi	0.4984	79.003492	6241.551748	75.6643971
####	Issaquena County	Mississippi	0.4681	85.12411065	7246.114214	66.84910086
####	Itawamba County	Mississippi	0.4487	20.00940323	400.3762177	6.504377536
####	Jackson County	Mississippi	0.4484	26.37069384	695.4134935	21.87896772
####	Jasper County	Mississippi	0.4787	41.23470654	1700.301023	52.6218014
####	Jefferson County	Mississippi	0.4856	80.72397185	6516.359631	85.90516112

####	Jefferson Davis County	Mississippi	0.4655	38.30061396	1466.93703	61.07438017
####	Jones County	Mississippi	0.4707	14.17217152	200.8504456	28.608674
####	Kemper County	Mississippi	0.4588	49.32607069	2433.06125	59.09796314
####	Lafayette County	Mississippi	0.5224	44.74800593	2002.384035	24.28963706
####	Lamar County	Mississippi	0.4639	46.30260614	2143.931335	20.15059099
####	Lauderdale County	Mississippi	0.4889	38.28965726	1466.097853	42.22474178
####	Lawrence County	Mississippi	0.4638	40.45048096	1636.24141	32.30452675
####	Leake County	Mississippi	0.4786	32.76888925	1073.800103	41.36425882
####	Lee County	Mississippi	0.4627	25.36930079	643.6014224	27.49207925
####	Leflore County	Mississippi	0.5366	68.69465227	4718.95525	72.01309329
####	Lincoln County	Mississippi	0.4529	47.31044637	2238.278336	30.68573398
####	Lowndes County	Mississippi	0.4696	70.77119896	5008.562602	44.12414624
####	Madison County	Mississippi	0.4948	77.1983969	5959.592485	38.29165906
####	Marion County	Mississippi	0.5211	46.36710359	2149.908296	32.24696586
####	Marshall County	Mississippi	0.4338	60.38089298	3645.852237	47.03570259
####	Monroe County	Mississippi	0.4307	59.36622166	3524.348275	30.87156089
####	Montgomery County	Mississippi	0.4332	45.51511753	2071.625923	47.04720707
####	Neshoba County	Mississippi	0.4626	26.88072623	722.5734428	21.35085822
####	Newton County	Mississippi	0.4777	34.91748062	1219.230453	30.47851968
####	Noxubee County	Mississippi	0.4643	74.86390928	5604.604913	71.8772242
####	Oktibbeha County	Mississippi	0.5399	59.06874742	3489.116921	37.18209667
####	Panola County	Mississippi	0.4782	61.73874666	3811.672839	50.09418379
####	Pearl River County	Mississippi	0.447	34.61144125	1197.951865	13.33441846
####	Perry County	Mississippi	0.4333	28.41535273	807.4322707	21.62162162
####	Pike County	Mississippi	0.4871	44.31971262	1964.236927	52.16245119
####	Pontotoc County	Mississippi	0.4306	34.35083435	1179.979821	14.66714954
####	Prentiss County	Mississippi	0.4454	20.61987834	425.1793828	14.12897624
####	Quitman County	Mississippi	0.4803	70.65662483	4992.358633	69.62794229
####	Rankin County	Mississippi	0.4201	52.398648	2745.618312	19.47787714
####	Scott County	Mississippi	0.4437	36.33726002	1320.396465	37.77903363
####	Sharkey County	Mississippi	0.4077	91.5555703	8382.422452	70.84524296
####	Simpson County	Mississippi	0.4651	38.81410125	1506.534456	34.93163172
####	Smith County	Mississippi	0.492	28.85300596	832.495953	24.78585414
####	Stone County	Mississippi	0.4137	21.4436511	459.8301725	18.66674098
####	Sunflower County	Mississippi	0.5071	84.02804094	7060.711663	73.04160486
####	Tallahatchie County	Mississippi	0.4305	64.05991614	4103.672856	47.69902142

####	Tate County	Mississippi	0.4693	60.18425451	3622.14449	30.67549112
####	Tippah County	Mississippi	0.4626	28.14243284	791.9965259	15.03919525
####	Tishomingo County	Mississippi	0.4271	21.12489098	446.2610189	2.467745239
####	Tunica County	Mississippi	0.4429	78.32285041	6134.468896	75.14882358
####	Union County	Mississippi	0.4572	31.63788198	1000.955576	13.84732714
####	Walthall County	Mississippi	0.4717	44.48702434	1979.095334	45.04826127
####	Warren County	Mississippi	0.4708	67.23519122	4520.570938	47.67347953
####	Washington County	Mississippi	0.5054	92.02324053	8468.276799	71.07198529
####	Wayne County	Mississippi	0.5081	52.71623536	2779.001471	39.02770365
####	Webster County	Mississippi	0.4884	31.60169996	998.6674401	19.2021435
####	Wilkinson County	Mississippi	0.449	81.88641297	6705.38463	71.15283198
####	Winston County	Mississippi	0.4847	43.87042005	1924.613756	47.36256752
####	Yalobusha County	Mississippi	0.4574	55.47965771	3077.992419	39.33081316
####	Yazoo County	Mississippi	0.4994	74.66632178	5575.059608	57.10571306
####	Adair County	Missouri	0.4805	1.012904431	1.025975387	2.098120271
####	Andrew County	Missouri	0.4193	7.397784073	54.7272092	1.249064641
####	Atchison County	Missouri	0.4203	1.269090127	1.61058975	0.543478261
####	Audrain County	Missouri	0.4009	14.63143357	214.0788484	5.889924718
####	Barry County	Missouri	0.4142	3.111090167	9.678882027	0.064460077
####	Barton County	Missouri	0.4375	1.25090457	1.564762244	0.219762331
####	Bates County	Missouri	0.43	6.11404425	37.38153708	0.673420739
####	Benton County	Missouri	0.4272	6.722643981	45.19394209	0.268973155
####	Bollinger County	Missouri	0.4545	3.480026139	12.11058193	0.330805228
####	Boone County	Missouri	0.4881	25.74119736	662.6092413	8.726555257
####	Buchanan County	Missouri	0.4541	8.429610733	71.0583371	4.966717298
####	Butler County	Missouri	0.4381	1.871178354	3.501308434	5.230812208
####	Caldwell County	Missouri	0.4199	4.711862104	22.20164449	0.741063644
####	Callaway County	Missouri	0.4215	25.84230683	667.8248224	3.864397635
####	Camden County	Missouri	0.4276	4.163084896	17.33127585	0.455861236
####	Cape Girardeau County	Missouri	0.4517	9.809251405	96.22141312	7.393127442
####	Carroll County	Missouri	0.4505	11.29815308	127.6482631	0.884569182
####	Carter County	Missouri	0.4878	1.572585767	2.473025996	0.588890657
####	Cass County	Missouri	0.4027	10.27112689	105.4960476	3.732347343
####	Cedar County	Missouri	0.4611	3.175748799	10.08538044	0.258769408
####	Chariton County	Missouri	0.431	22.53238958	507.7085801	2.23890255
####	Christian County	Missouri	0.4077	4.171899516	17.40474557	0.661190142

####	Clark County	Missouri	0.4377	3.871164483	14.98591445	0.485644908
####	Clay County	Missouri	0.3996	26.15335875	683.9981741	5.39292231
####	Clinton County	Missouri	0.3844	14.28688048	204.1149538	1.917741543
####	Cole County	Missouri	0.4246	10.26787321	105.4292202	11.42543114
####	Cooper County	Missouri	0.4422	21.92898989	480.8805976	5.72078476
####	Crawford County	Missouri	0.4465	2.887440833	8.337314566	0.263371151
####	Dade County	Missouri	0.4482	4.86776677	23.69515333	0.560041678
####	Dallas County	Missouri	0.4089	2.06862479	4.279208521	0.048100048
####	Daviess County	Missouri	0.4119	3.694805416	13.65158706	0.708793849
####	DeKalb County	Missouri	0.4238	3.447087843	11.88241459	10.7922645
####	Dent County	Missouri	0.4531	2.730277108	7.454413084	0.484662968
####	Douglas County	Missouri	0.4275	1.108388608	1.228525305	0
####	Dunklin County	Missouri	0.4634	3.59129035	12.89736638	10.49153502
####	Franklin County	Missouri	0.426	8.808050271	77.58174958	1.155563423
####	Gasconade County	Missouri	0.407	0.985277559	0.970771868	0.606100972
####	Gentry County	Missouri	0.4015	1.087087268	1.181758729	0.691990577
####	Greene County	Missouri	0.46	12.5587702	157.722709	3.02896418
####	Grundy County	Missouri	0.4256	3.632290415	13.19353366	1.021500146
####	Harrison County	Missouri	0.4022	0.248341847	0.061673673	0.864127345
####	Henry County	Missouri	0.4357	12.585493	158.394634	1.472847203
####	Hickory County	Missouri	0.4187	4.219412054	17.80343808	0.276008493
####	Holt County	Missouri	0.4057	4.707541527	22.16094723	0.638977636
####	Howard County	Missouri	0.4725	36.71559498	1348.034915	5.0476284
####	Howell County	Missouri	0.4692	1.113737132	1.240410399	0.281697101
####	Iron County	Missouri	0.4309	5.532372904	30.60714994	1.793937068
####	Jackson County	Missouri	0.4642	17.25149816	297.6141887	23.78543928
####	Jasper County	Missouri	0.4497	4.867064451	23.68831637	2.262470512
####	Jefferson County	Missouri	0.3852	5.261877399	27.68735377	0.872786297
####	Johnson County	Missouri	0.4112	12.98232041	168.5406433	4.471129754
####	Knox County	Missouri	0.508	3.250949047	10.56866971	1.250613046
####	Laclede County	Missouri	0.4181	5.836907061	34.06948404	0.531735314
####	Lafayette County	Missouri	0.3801	31.28404641	978.69156	2.107714173
####	Lawrence County	Missouri	0.4253	3.226175627	10.40820918	0.177517882
####	Lewis County	Missouri	0.3917	10.3022687	106.1367404	2.643474843
####	Lincoln County	Missouri	0.3842	19.93333966	397.3380299	2.181151558
####	Linn County	Missouri	0.4205	6.427078023	41.30733191	0.592284296

####	Livingston County	Missouri	0.4402	8.087251687	65.40363986	2.361314354
####	McDonald County	Missouri	0.4379	2.310898986	5.340254123	1.347862238
####	Macon County	Missouri	0.4291	4.686284048	21.96125818	3.220197076
####	Madison County	Missouri	0.4032	8.183127396	66.96357398	0.615235166
####	Maries County	Missouri	0.4028	1.316747626	1.733824311	0.516597054
####	Marion County	Missouri	0.4564	15.97596831	255.2315633	5.640687838
####	Mercer County	Missouri	0.4051	0.272350611	0.074174856	0.401606426
####	Miller County	Missouri	0.4384	3.529628903	12.45828019	0.453724152
####	Mississippi County	Missouri	0.4469	20.79399461	432.3902118	23.98430933
####	Moniteau County	Missouri	0.3842	7.530494374	56.70834552	3.651631783
####	Monroe County	Missouri	0.3707	20.38081833	415.3777558	3.06017192
####	Montgomery County	Missouri	0.4172	17.11839891	293.0395814	0.829600133
####	Morgan County	Missouri	0.4316	8.137123752	66.21278295	1.265137344
####	New Madrid County	Missouri	0.496	29.74487629	884.7576654	16.0706592
####	Newton County	Missouri	0.4538	4.569725995	20.88239567	0.998585621
####	Nodaway County	Missouri	0.4473	2.429090171	5.90047906	2.755837912
####	Oregon County	Missouri	0.4441	1.024852597	1.050322846	0.173120729
####	Osage County	Missouri	0.3668	3.597437855	12.94155912	0.658847379
####	Ozark County	Missouri	0.3944	1.849990874	3.422466233	0.156054931
####	Pemiscot County	Missouri	0.4645	9.776033623	95.57083339	26.93503609
####	Perry County	Missouri	0.3884	8.107218652	65.72699427	0.430627035
####	Pettis County	Missouri	0.4381	19.8997118	395.9985297	2.74086182
####	Phelps County	Missouri	0.4485	1.462106315	2.137754878	2.494954647
####	Pike County	Missouri	0.4208	21.98761602	483.4552583	5.901039143
####	Platte County	Missouri	0.4237	17.97404987	323.0664686	6.329965599
####	Polk County	Missouri	0.4188	5.193291929	26.97028106	0.925390399
####	Pulaski County	Missouri	0.3776	1.462856869	2.139950218	11.48229383
####	Putnam County	Missouri	0.4208	0.349845434	0.122391828	0.549786194
####	Ralls County	Missouri	0.3696	20.79585269	432.4674893	0.733568075
####	Randolph County	Missouri	0.4243	22.89856022	524.34406	5.66509303
####	Ray County	Missouri	0.4114	14.87324336	221.2133679	1.368384702
####	Reynolds County	Missouri	0.4393	1.270009831	1.612924972	0.933172787
####	Ripley County	Missouri	0.4042	2.177228061	4.74032203	0.085372795
####	St. Charles County	Missouri	0.3866	12.7063684	161.4517978	4.568650093
####	St. Clair County	Missouri	0.4302	8.305811969	68.98651247	0.884587366
####	Ste. Genevieve County	Missouri	0.4226	7.700990752	59.30525856	0.482877283



####	St. Francois County	Missouri	0.4383	11.98302365	143.5928557	4.518864054
####	St. Louis County	Missouri	0.4858	2.297202392	5.27713883	23.30204324
####	Saline County	Missouri	0.4158	32.9788519	1087.604673	5.431665454
####	Schuyler County	Missouri	0.4314	0.579817289	0.336188089	0.706472197
####	Scotland County	Missouri	0.4513	1.462921205	2.140138451	0.86384204
####	Scott County	Missouri	0.4359	9.511693884	90.47232054	11.13268774
####	Shannon County	Missouri	0.4464	0.594174562	0.35304341	0.33492823
####	Shelby County	Missouri	0.415	9.884537832	97.70408815	1.31875201
####	Stoddard County	Missouri	0.4811	2.822688064	7.967567907	1.346102331
####	Stone County	Missouri	0.4071	0.97108759	0.943011107	0.060139904
####	Sullivan County	Missouri	0.4176	1.15960976	1.344694795	0.976950084
####	Taney County	Missouri	0.4352	2.333768937	5.446477453	0.668726218
####	Texas County	Missouri	0.4527	0.928339928	0.861815022	2.647697317
####	Vernon County	Missouri	0.4181	2.810285106	7.897702375	0.767251239
####	Warren County	Missouri	0.414	11.7602516	138.3035177	1.917983377
####	Washington County	Missouri	0.4453	10.42844508	108.7524668	1.943216661
####	Wayne County	Missouri	0.4447	4.555979419	20.75694846	0.446760983
####	Webster County	Missouri	0.4119	3.331785157	11.10079233	1.176599654
####	Worth County	Missouri	0.4256	0.996531976	0.993075979	0
####	Wright County	Missouri	0.4253	1.535631695	2.358164702	0.479396714
####	St. Louis City	Missouri	0.5062	2.28107745	5.203314331	48.11484437
####	Alamance County	North Carolina	0.4545	29.44700793	867.1262759	17.98481586
####	Alexander County	North Carolina	0.4187	10.49741209	110.1956606	6.278412912
####	Alleghany County	North Carolina	0.434	6.002122798	36.02547808	1.038819027
####	Anson County	North Carolina	0.4518	50.53869112	2554.1593	48.64114942
####	Ashe County	North Carolina	0.4497	4.982906747	24.82935965	0.647701763
####	Avery County	North Carolina	0.4863	8.354316101	69.79459752	4.346355488
####	Beaufort County	North Carolina	0.4482	39.97046259	1597.63788	25.95246601
####	Bertie County	North Carolina	0.4634	56.90324096	3237.978832	62.23339943
####	Bladen County	North Carolina	0.4913	44.32735267	1964.914195	35.30001432
####	Brunswick County	North Carolina	0.4488	43.16885903	1863.55039	10.87000806
####	Buncombe County	North Carolina	0.4603	15.39767303	237.0883346	6.550312961
####	Burke County	North Carolina	0.4444	25.29191812	639.6811222	6.284104521
####	Cabarrus County	North Carolina	0.4203	28.78026149	828.3034515	16.07313841
####	Caldwell County	North Carolina	0.4567	14.71484251	216.5265902	4.935476017
####	Camden County	North Carolina	0.3626	38.7576187	1502.153007	13.70593463

####	Carteret County	North Carolina	0.4501	25.36404444	643.3347502	6.175295869
####	Caswell County	North Carolina	0.4267	56.99538661	3248.474095	33.40326241
####	Catawba County	North Carolina	0.4464	15.85991766	251.5369882	8.57455473
####	Chatham County	North Carolina	0.4765	32.66523982	1067.017892	12.84935655
####	Cherokee County	North Carolina	0.4262	5.684109155	32.30909689	1.69391663
####	Chowan County	North Carolina	0.4729	54.26458412	2944.64509	32.87764402
####	Clay County	North Carolina	0.4801	6.006544918	36.07858185	0.640542577
####	Cleveland County	North Carolina	0.4584	17.42557823	303.6507768	20.80357876
####	Columbus County	North Carolina	0.4737	30.63849978	938.7176688	30.34323272
####	Craven County	North Carolina	0.4406	38.17974627	1457.693025	21.44414482
####	Cumberland County	North Carolina	0.4368	36.13703705	1305.885447	36.15656693
####	Currituck County	North Carolina	0.3808	33.6355389	1131.349477	6.562861391
####	Dare County	North Carolina	0.4143	33.36000903	1112.890203	2.933680857
####	Davidson County	North Carolina	0.4287	18.47926636	341.4832851	9.258613837
####	Davie County	North Carolina	0.4601	27.93685335	780.4677749	6.71077733
####	Duplin County	North Carolina	0.4496	45.14685527	2038.238541	25.4410899
####	Durham County	North Carolina	0.477	32.4899123	1055.594401	37.49176764
####	Edgecombe County	North Carolina	0.4438	58.03431823	3367.982093	56.86369422
####	Forsyth County	North Carolina	0.4837	14.33107369	205.3796731	26.1391115
####	Franklin County	North Carolina	0.4232	49.72907777	2472.981176	25.79589456
####	Gaston County	North Carolina	0.4585	23.90270104	571.3391172	15.11668642
####	Gates County	North Carolina	0.3823	46.21641748	2135.957245	33.45120822
####	Graham County	North Carolina	0.4583	5.719368439	32.71117534	0.28594304
####	Granville County	North Carolina	0.4114	47.21993162	2229.721943	31.26391166
####	Greene County	North Carolina	0.4269	49.6465876	2464.783661	36.01367489
####	Guilford County	North Carolina	0.4782	18.07758315	326.7990126	33.14161138
####	Halifax County	North Carolina	0.4783	53.3442467	2845.608656	51.56032192
####	Harnett County	North Carolina	0.4235	32.29913389	1043.23405	21.00436
####	Haywood County	North Carolina	0.4379	5.525297699	30.52891467	1.045550058
####	Henderson County	North Carolina	0.4352	13.64442962	186.1704596	3.199499273
####	Hertford County	North Carolina	0.4835	47.05024827	2213.725862	59.10466067
####	Hoke County	North Carolina	0.4208	35.54763793	1263.634562	33.63113083
####	Hyde County	North Carolina	0.3703	36.12395702	1304.940271	36.65103352
####	Iredell County	North Carolina	0.4696	27.16169722	737.7577956	12.30927797
####	Jackson County	North Carolina	0.4739	5.212073625	27.16571147	3.241538992
####	Johnston County	North Carolina	0.4104	31.5170357	993.3235393	15.06875096

####	Jones County	North Carolina	0.4369	58.9500242	3475.105353	30.9897879
####	Lee County	North Carolina	0.4176	26.08106418	680.2219089	19.2652633
####	Lenoir County	North Carolina	0.447	50.16511121	2516.538382	40.65318555
####	Lincoln County	North Carolina	0.4466	25.77280627	664.2375432	5.275742969
####	McDowell County	North Carolina	0.4352	18.48181993	341.577668	3.774843271
####	Macon County	North Carolina	0.4755	8.607755514	74.09345499	0.490543735
####	Madison County	North Carolina	0.4395	4.146315636	17.19193335	1.541692521
####	Martin County	North Carolina	0.4238	42.50636721	1806.791253	43.29561114
####	Mecklenburg County	North Carolina	0.4945	37.44625844	1402.222271	30.91182241
####	Mitchell County	North Carolina	0.4704	4.420291884	19.53898034	0.799739922
####	Montgomery County	North Carolina	0.4842	24.29402136	590.1994738	17.64280026
####	Moore County	North Carolina	0.4816	23.16594393	536.6609581	12.32073659
####	Nash County	North Carolina	0.4507	40.9425596	1676.293187	37.78868178
####	New Hanover County	North Carolina	0.483	47.54951208	2260.956099	14.40506522
####	Northampton County	North Carolina	0.456	51.30291343	2631.988926	56.39605819
####	Onslow County	North Carolina	0.3991	39.70756295	1576.690556	15.96645546
####	Orange County	North Carolina	0.525	30.17097338	910.2876349	11.53451102
####	Pamlico County	North Carolina	0.4423	38.19246822	1458.664629	19.11652121
####	Pasquotank County	North Carolina	0.4656	33.90010755	1149.217292	37.38473392
####	Pender County	North Carolina	0.4619	47.56833269	2262.746275	17.40565864
####	Perquimans County	North Carolina	0.4413	49.33804488	2434.242672	24.66128674
####	Person County	North Carolina	0.4227	46.31700309	2145.264775	27.48899575
####	Pitt County	North Carolina	0.4911	52.4980917	2756.049632	34.09167353
####	Polk County	North Carolina	0.4394	15.61220549	243.7409604	5.169025157
####	Randolph County	North Carolina	0.417	9.934453838	98.69337306	5.554696505
####	Richmond County	North Carolina	0.4505	49.47772736	2448.045505	30.08614548
####	Robeson County	North Carolina	0.4845	35.26043451	1243.298242	24.09701067
####	Rockingham County	North Carolina	0.431	37.61443377	1414.845628	18.50715967
####	Rowan County	North Carolina	0.443	26.86852004	721.917369	16.32813969
####	Rutherford County	North Carolina	0.4391	20.54073638	421.9218509	9.90012057
####	Sampson County	North Carolina	0.4703	42.67112798	1820.825163	25.98916074
####	Scotland County	North Carolina	0.4648	49.28675851	2429.184564	38.61908198
####	Stanly County	North Carolina	0.418	15.36189962	235.9879599	11.1390022
####	Stokes County	North Carolina	0.4307	23.73685208	563.4381468	3.896879935
####	Surry County	North Carolina	0.452	12.10424218	146.5126787	3.801556049
####	Swain County	North Carolina	0.4494	6.73777692	45.39763783	2.736318408

####	Transylvania County	North Carolina	0.4293	12.92311851	167.0069921	3.812646086
####	Tyrrell County	North Carolina	0.438	32.89125572	1081.834703	28.13462906
####	Union County	North Carolina	0.4354	20.34855224	414.0635781	11.80827845
####	Vance County	North Carolina	0.4663	52.76091903	2783.714576	50.00222232
####	Wake County	North Carolina	0.4428	37.45798678	1403.100774	20.75467736
####	Warren County	North Carolina	0.4588	65.79737214	4329.29418	50.9550126
####	Washington County	North Carolina	0.472	38.90388718	1513.512438	50.29991431
####	Watauga County	North Carolina	0.531	2.522896099	6.365004727	1.102055758
####	Wayne County	North Carolina	0.4455	36.69902213	1346.818225	31.47881025
####	Wilkes County	North Carolina	0.4676	8.366684083	70.00140255	4.300001447
####	Wilson County	North Carolina	0.4584	37.1322072	1378.800812	38.57347943
####	Yadkin County	North Carolina	0.4662	13.64840065	186.2788403	3.377864098
####	Yancey County	North Carolina	0.4446	4.43702774	19.68721516	1.058770241
####	Abbeville County	South Carolina	0.428	63.26102522	4001.957311	28.81673307
####	Aiken County	South Carolina	0.457	56.72629182	3217.872183	24.8989208
####	Allendale County	South Carolina	0.4636	62.12191495	3859.132317	73.92041488
####	Anderson County	South Carolina	0.4458	36.94444056	1364.891688	16.41310477
####	Bamberg County	South Carolina	0.5167	57.54679439	3311.633545	62.36181226
####	Barnwell County	South Carolina	0.4843	56.61411783	3205.158338	44.80190245
####	Beaufort County	South Carolina	0.4604	81.18602408	6591.170506	18.70729521
####	Berkeley County	South Carolina	0.4231	53.28746185	2839.55359	24.76394736
####	Calhoun County	South Carolina	0.4564	63.84342583	4075.983022	42.2526778
####	Charleston County	South Carolina	0.4965	57.22933902	3275.197244	28.91974819
####	Cherokee County	South Carolina	0.482	41.92658483	1757.838516	19.95978961
####	Chester County	South Carolina	0.4767	60.10929845	3613.12776	37.61465085
####	Chesterfield County	South Carolina	0.4606	37.04036598	1371.988712	32.88800639
####	Clarendon County	South Carolina	0.4835	65.39201693	4276.115878	49.3800633
####	Colleton County	South Carolina	0.4541	77.04133676	5935.36757	38.49452245
####	Darlington County	South Carolina	0.4745	58.27835787	3396.366996	40.56718651
####	Dillon County	South Carolina	0.4705	46.89051425	2198.720327	46.01795173
####	Dorchester County	South Carolina	0.4081	76.16203378	5800.655389	25.34740705
####	Edgefield County	South Carolina	0.4369	60.33331064	3640.108373	36.73653709
####	Fairfield County	South Carolina	0.4976	70.11716149	4916.416335	57.65546147
####	Florence County	South Carolina	0.4697	55.89689319	3124.462668	41.57020962
####	Georgetown County	South Carolina	0.4852	84.82752526	7195.709041	33.17822782
####	Greenville County	South Carolina	0.4752	32.53560972	1058.5659	18.19339866

####	Greenwood County	South Carolina	0.4756	62.23931704	3873.732586	31.03087164
####	Hampton County	South Carolina	0.4878	81.16739359	6588.145782	53.66231253
####	Horry County	South Carolina	0.4453	29.88774445	893.2772682	13.76023722
####	Jasper County	South Carolina	0.4263	80.84507363	6535.92593	44.86982567
####	Kershaw County	South Carolina	0.4369	59.9278945	3591.352539	24.92861955
####	Lancaster County	South Carolina	0.4489	48.60299581	2362.251201	23.20694209
####	Laurens County	South Carolina	0.4478	55.54172298	3084.882992	25.42702214
####	Lee County	South Carolina	0.4537	67.56511095	4565.044217	63.99935856
####	Lexington County	South Carolina	0.4271	40.10658044	1608.537794	14.30310475
####	McCormick County	South Carolina	0.4869	62.10243294	3856.712177	49.47515745
####	Marion County	South Carolina	0.4802	47.00335241	2209.315138	55.86374996
####	Marlboro County	South Carolina	0.4741	55.30945805	3059.13615	50.84470206
####	Newberry County	South Carolina	0.4416	64.8997499	4211.977538	30.31149416
####	Oconee County	South Carolina	0.4742	21.42749202	459.1374142	7.566705958
####	Orangeburg County	South Carolina	0.475	63.83099096	4074.395406	62.1233372
####	Pickens County	South Carolina	0.4504	21.74302581	472.7591715	6.531356365
####	Richland County	South Carolina	0.4643	59.54554568	3545.672011	45.93466715
####	Saluda County	South Carolina	0.4531	60.2037299	3624.489094	26.34055976
####	Spartanburg County	South Carolina	0.4476	31.07638141	965.7414814	20.65577291
####	Sumter County	South Carolina	0.4407	69.63650616	4849.24299	46.47807612
####	Union County	South Carolina	0.4416	55.13226328	3039.566455	30.79176815
####	Williamsburg County	South Carolina	0.5016	66.41463868	4410.904231	66.01013111
####	York County	South Carolina	0.4495	46.62868603	2174.234361	18.64207238
####	Anderson County	Tennessee	0.4579	8.28314152	68.61043344	3.948451145
####	Bedford County	Tennessee	0.4443	31.55856373	995.9429446	6.154183092
####	Benton County	Tennessee	0.4347	10.59115879	112.1726446	3.554603854
####	Bledsoe County	Tennessee	0.4443	15.24508492	232.4126141	4.350453172
####	Blount County	Tennessee	0.4434	10.24652568	104.9912885	2.939687387
####	Bradley County	Tennessee	0.4649	10.04952054	100.992863	4.505762148
####	Campbell County	Tennessee	0.4412	5.405544665	29.21991313	0.587200515
####	Cannon County	Tennessee	0.4502	10.60600117	112.4872608	1.487015813
####	Carroll County	Tennessee	0.4536	23.25367096	540.7332133	9.999649258
####	Carter County	Tennessee	0.4575	5.233562105	27.39017231	1.230409438
####	Cheatham County	Tennessee	0.3945	26.41214908	697.6016192	1.561387448
####	Chester County	Tennessee	0.4584	25.58245657	654.462084	10.49797336
####	Claiborne County	Tennessee	0.4581	7.662761636	58.71791588	0.90763481

####	Clay County	Tennessee	0.4406	9.787776402	95.80056689	2.076390669
####	Cocke County	Tennessee	0.4793	8.129347524	66.08629116	1.399035343
####	Coffee County	Tennessee	0.4577	15.86247982	251.6182659	2.1655284
####	Crockett County	Tennessee	0.4257	44.78487339	2005.684885	13.35022947
####	Cumberland County	Tennessee	0.4336	3.783489928	14.31479604	0.55902145
####	Davidson County	Tennessee	0.4905	31.49204049	991.748614	27.68483199
####	Decatur County	Tennessee	0.5101	12.34856847	152.4871432	2.869379015
####	DeKalb County	Tennessee	0.5062	10.14021653	102.8239912	1.481442429
####	Dickson County	Tennessee	0.438	22.50150482	506.3177193	3.962885364
####	Dyer County	Tennessee	0.4536	25.12350912	631.1907106	13.67281686
####	Fayette County	Tennessee	0.4645	63.41383266	4021.314173	27.82433271
####	Fentress County	Tennessee	0.4542	3.702998822	13.71220028	0.18971097
####	Franklin County	Tennessee	0.4635	25.47452738	648.9515452	3.513599065
####	Gibson County	Tennessee	0.4401	28.13361215	791.5001327	18.68149581
####	Giles County	Tennessee	0.4374	41.32282334	1707.575729	10.56289568
####	Grainger County	Tennessee	0.4389	9.652079129	93.16263151	0.743707094
####	Greene County	Tennessee	0.4401	6.840233093	46.78878876	2.290221004
####	Grundy County	Tennessee	0.4588	10.00518643	100.1037555	0.272579932
####	Hamblen County	Tennessee	0.4608	12.28201198	150.8478183	3.657159219
####	Hamilton County	Tennessee	0.4789	10.74443433	115.442869	20.00191431
####	Hancock County	Tennessee	0.4553	3.56321178	12.69647819	0.596480763
####	Hardeman County	Tennessee	0.4479	40.91109957	1673.718068	41.43825301
####	Hardin County	Tennessee	0.5155	14.51196531	210.5971371	4.466864338
####	Hawkins County	Tennessee	0.4476	11.37371002	129.3612797	1.349993832
####	Haywood County	Tennessee	0.4795	57.1225772	3262.988826	49.68731307
####	Henderson County	Tennessee	0.4358	22.58488624	510.0770863	7.703036155
####	Henry County	Tennessee	0.4657	28.79947605	829.4098207	8.593822609
####	Hickman County	Tennessee	0.4373	19.12005262	365.5764122	4.73022912
####	Houston County	Tennessee	0.4167	23.20300159	538.3792827	1.998563906
####	Humphreys County	Tennessee	0.4364	15.97406986	255.1709078	3.880580723
####	Jackson County	Tennessee	0.4701	10.33627538	106.8385888	0.752920814
####	Jefferson County	Tennessee	0.4408	13.0031658	169.082321	2.722079515
####	Johnson County	Tennessee	0.4337	4.608109674	21.23467477	2.863618774
####	Knox County	Tennessee	0.4814	10.35559041	107.2382526	9.150231887
####	Lake County	Tennessee	0.4695	19.25938695	370.9239858	26.34304207
####	Lauderdale County	Tennessee	0.4653	37.79430013	1428.409122	35.10626742

####	Lawrence County	Tennessee	0.4416	14.15680101	200.4150149	1.798783386
####	Lewis County	Tennessee	0.4001	16.03535537	257.1326218	1.498751041
####	Lincoln County	Tennessee	0.4209	29.99569782	899.741888	4.501761299
####	Loudon County	Tennessee	0.4627	12.17687625	148.2763152	1.240225934
####	McMinn County	Tennessee	0.4529	14.0629183	197.765671	4.018393787
####	McNairy County	Tennessee	0.4769	12.94909789	167.6791362	5.991277068
####	Macon County	Tennessee	0.4227	12.74426014	162.4161664	0.540253299
####	Madison County	Tennessee	0.4802	46.1916049	2133.664364	36.9616933
####	Marion County	Tennessee	0.4351	11.19713075	125.3757371	1.620607905
####	Marshall County	Tennessee	0.4365	31.88515258	1016.662955	7.2021177
####	Maury County	Tennessee	0.4279	45.09844679	2033.869903	11.89425715
####	Meigs County	Tennessee	0.421	13.63568977	185.9320355	1.077475629
####	Monroe County	Tennessee	0.4563	12.61993664	159.2628008	2.353228745
####	Montgomery County	Tennessee	0.42	45.56881185	2076.516613	18.94349367
####	Moore County	Tennessee	0.466	29.00494905	841.2870691	3.197857593
####	Morgan County	Tennessee	0.4317	3.876167185	15.02467205	3.699807921
####	Obion County	Tennessee	0.4694	19.34059371	374.0585651	10.83243037
####	Overton County	Tennessee	0.4549	8.569256283	73.43215324	0.619657153
####	Perry County	Tennessee	0.4227	9.234680267	85.27931964	2.521971723
####	Pickett County	Tennessee	0.4334	6.9620541	48.47019729	0.803763968
####	Polk County	Tennessee	0.4544	5.075380067	25.75948283	0.179479509
####	Putnam County	Tennessee	0.5135	8.053489987	64.85870096	2.448216066
####	Rhea County	Tennessee	0.4495	12.36942399	153.0026498	2.178358949
####	Roane County	Tennessee	0.4502	12.80864516	164.061391	2.654784416
####	Robertson County	Tennessee	0.3921	31.86736977	1015.529256	7.667402721
####	Rutherford County	Tennessee	0.404	46.25580129	2139.599153	13.39754085
####	Scott County	Tennessee	0.5183	1.96585749	3.864595672	0.217155266
####	Sequatchie County	Tennessee	0.4476	10.35859167	107.3004214	0.173238168
####	Sevier County	Tennessee	0.4337	6.684956052	44.68863742	0.798392411
####	Shelby County	Tennessee	0.4993	35.47761285	1258.661014	52.49837095
####	Smith County	Tennessee	0.4355	25.49162228	649.8228063	2.006075843
####	Stewart County	Tennessee	0.4313	25.0068187	625.3409814	1.930733979
####	Sullivan County	Tennessee	0.4661	7.93601642	62.98035661	1.796620975
####	Sumner County	Tennessee	0.446	34.66292078	1201.518077	6.844859454
####	Tipton County	Tennessee	0.4197	49.49732603	2449.985284	18.06195367
####	Trousdale County	Tennessee	0.4622	29.39758286	864.2178781	11.33732027

####	Unicoi County	Tennessee	0.4821	6.145403727	37.76598697	0.808803301
####	Union County	Tennessee	0.4364	3.181064743	10.1191729	0.303046136
####	Van Buren County	Tennessee	0.4707	9.487746537	90.01733434	0.322696307
####	Warren County	Tennessee	0.474	20.2961826	411.9350282	1.600321068
####	Washington County	Tennessee	0.4909	6.456034715	41.68038424	3.822176637
####	Wayne County	Tennessee	0.4379	13.82712822	191.1894748	6.135439382
####	Weakley County	Tennessee	0.4583	23.16562131	536.6460105	9.446958126
####	White County	Tennessee	0.446	12.06925414	145.6668955	1.797899256
####	Williamson County	Tennessee	0.4441	51.02953393	2604.013333	4.242449245
####	Wilson County	Tennessee	0.4178	30.38730052	923.3880328	6.790206048
####	Accomack County	Virginia	0.4721	24.27229785	589.144443	28.62957938
####	Albemarle County	Virginia	0.4861	52.2262612	2727.582359	9.43827724
####	Alleghany County	Virginia	0.4226	14.74970208	217.5537115	5.039360317
####	Amelia County	Virginia	0.4083	70.89374509	5025.923093	24.94515826
####	Amherst County	Virginia	0.411	45.58522033	2078.012312	18.61525576
####	Appomattox County	Virginia	0.4129	51.61844183	2664.463537	19.97093215
####	Arlington County	Virginia	0.4368	10.98304263	120.6272254	8.33617201
####	Augusta County	Virginia	0.4232	20.40269919	416.2701341	4.1095147
####	Bath County	Virginia	0.5055	25.47142477	648.7934798	5.921619294
####	Bedford County	Virginia	0.4223	40.56583128	1645.586667	6.953059902
####	Bland County	Virginia	0.3824	14.48448943	209.8004339	4.489371191
####	Botetourt County	Virginia	0.4315	24.15427349	583.428928	3.751699139
####	Brunswick County	Virginia	0.4536	61.6738722	3803.666512	56.38818466
####	Buchanan County	Virginia	0.4555	1.195436587	1.429068634	2.318118482
####	Buckingham County	Virginia	0.4211	57.66906797	3325.7214	34.65909091
####	Campbell County	Virginia	0.4216	44.27465125	1960.244743	13.75449091
####	Caroline County	Virginia	0.4029	57.70359128	3329.704446	29.12551192
####	Carroll County	Virginia	0.4216	3.464160827	12.00041023	0.826612229
####	Charles City County	Virginia	0.4407	51.04295021	2605.382766	48.51831143
####	Charlotte County	Virginia	0.4426	63.434822	4023.976642	30.38954754
####	Chesterfield County	Virginia	0.4075	43.79542687	1918.039415	22.65822277
####	Clarke County	Virginia	0.4379	46.66724729	2177.831969	5.142576893
####	Craig County	Virginia	0.3937	12.15768495	147.8093033	0.192086055
####	Culpeper County	Virginia	0.3974	55.08080507	3033.895088	14.23711125
####	Cumberland County	Virginia	0.4399	67.07767953	4499.415091	34.43929004
####	Dickenson County	Virginia	0.4306	1.37604244	1.893492797	0.75582885



####	Dinwiddie County	Virginia	0.4011	42.5733671	1812.491586	32.74390026
####	Essex County	Virginia	0.4135	63.81920577	4072.891026	37.34551316
####	Fairfax County	Virginia	0.4202	26.33808184	693.6945552	9.317483564
####	Fauquier County	Virginia	0.4274	48.01882516	2305.807569	7.538290921
####	Floyd County	Virginia	0.3866	6.671207441	44.50500873	2.090344292
####	Fluvanna County	Virginia	0.4127	48.39486463	2342.062923	14.01811524
####	Franklin County	Virginia	0.4378	31.7189734	1006.093273	8.381831086
####	Frederick County	Virginia	0.398	13.65432292	186.4405345	4.497555271
####	Giles County	Virginia	0.4293	11.30372837	127.774275	1.239353891
####	Gloucester County	Virginia	0.3925	52.43195592	2749.110001	8.806648979
####	Goochland County	Virginia	0.503	57.72903801	3332.64183	19.67910482
####	Grayson County	Virginia	0.4477	6.628158519	43.93248535	1.920681744
####	Greene County	Virginia	0.3794	39.30480994	1544.868085	6.74091442
####	Greensville County	Virginia	0.4734	65.0934689	4237.159693	59.69272101
####	Halifax County	Virginia	0.4504	56.19211242	3157.553498	37.01546045
####	Hanover County	Virginia	0.3914	54.00011149	2916.012041	9.263176712
####	Henrico County	Virginia	0.4461	32.6325857	1064.88565	29.57780474
####	Henry County	Virginia	0.425	41.40619347	1714.472858	21.87311178
####	Highland County	Virginia	0.4246	9.651308926	93.14776398	0
####	Isle of Wight County	Virginia	0.4166	35.86382849	1286.214194	23.3796948
####	James City County	Virginia	0.433	44.47476448	1978.004676	13.72007103
####	King and Queen County	Virginia	0.3835	59.56514398	3548.006377	28.09274707
####	King George County	Virginia	0.3727	55.77476979	3110.824945	18.38304105
####	King William County	Virginia	0.3653	64.44046592	4152.573648	19.04643191
####	Lancaster County	Virginia	0.4421	55.62390252	3094.018532	28.18959373
####	Lee County	Virginia	0.4315	7.370293472	54.32122587	3.475177305
####	Loudoun County	Virginia	0.36	25.44712953	647.5564014	7.34105206
####	Louisa County	Virginia	0.4034	60.9002135	3708.836004	16.71161426
####	Lunenburg County	Virginia	0.4277	61.11073817	3734.52232	34.46751401
####	Madison County	Virginia	0.4387	49.28409307	2428.92183	9.57752877
####	Mathews County	Virginia	0.4063	42.45375845	1802.321606	9.951809929
####	Mecklenburg County	Virginia	0.4449	61.79270697	3818.338635	35.53410836
####	Middlesex County	Virginia	0.4442	54.68860778	2990.843821	19.37690672
####	Montgomery County	Virginia	0.4891	20.88349783	436.1204817	4.217810621
####	Nelson County	Virginia	0.4677	47.79239403	2284.112927	13.64491002
####	New Kent County	Virginia	0.3741	56.98760711	3247.587364	12.99317246

####	Northampton County	Virginia	0.526	49.42195854	2442.529986	36.8777542
####	Northumberland County	Virginia	0.4325	45.68152335	2086.801576	29.4724026
####	Nottoway County	Virginia	0.4476	72.96026461	5323.200213	39.35643564
####	Orange County	Virginia	0.4111	56.25526711	3164.655078	12.76906452
####	Page County	Virginia	0.4239	10.62722062	112.937818	1.627274629
####	Patrick County	Virginia	0.4136	22.46088737	504.4914616	6.583174517
####	Pittsylvania County	Virginia	0.4083	44.6424045	1992.94428	21.39941228
####	Powhatan County	Virginia	0.3954	64.4930954	4159.359355	12.71237541
####	Prince Edward County	Virginia	0.4644	61.94029774	3836.600484	33.56957649
####	Prince George County	Virginia	0.3652	59.0417688	3485.930462	32.26244836
####	Prince William County	Virginia	0.3717	27.66778709	765.5064423	20.10322502
####	Pulaski County	Virginia	0.4217	28.74751623	826.4196893	6.009240543
####	Rappahannock County	Virginia	0.4754	39.59096306	1567.444356	3.814128391
####	Richmond County	Virginia	0.4551	36.23345722	1312.863422	27.44708995
####	Roanoke County	Virginia	0.4161	32.84366874	1078.706576	5.54864047
####	Rockbridge County	Virginia	0.4402	23.19300213	537.9153477	2.865829123
####	Rockingham County	Virginia	0.4518	10.29354622	105.9570937	1.58122697
####	Russell County	Virginia	0.4579	10.69791722	114.4454328	1.350021094
####	Scott County	Virginia	0.4657	4.146893921	17.19672919	0.706729292
####	Shenandoah County	Virginia	0.4123	5.544589238	30.74246982	2.164766718
####	Smyth County	Virginia	0.4693	11.5762056	134.008536	2.079934747
####	Southampton County	Virginia	0.4202	42.24283262	1784.456908	36.32106295
####	Spotsylvania County	Virginia	0.3862	48.57591512	2359.61953	15.8526149
####	Stafford County	Virginia	0.3688	38.87912521	1511.586377	17.20402162
####	Surry County	Virginia	0.3695	41.36900191	1711.394319	46.39070443
####	Sussex County	Virginia	0.4183	62.33543518	3885.706479	57.03262602
####	Tazewell County	Virginia	0.477	12.07014041	145.6882895	2.7542803
####	Warren County	Virginia	0.4152	24.45847095	598.2168011	3.791096429
####	Washington County	Virginia	0.4688	14.99974839	224.9924519	1.448033119
####	Westmoreland County	Virginia	0.4213	44.93676445	2019.312799	29.6209613
####	Wise County	Virginia	0.4718	1.670946503	2.792062214	5.243198278
####	Wythe County	Virginia	0.4505	17.60904775	310.0785627	3.718513962
####	York County	Virginia	0.3926	38.9621943	1518.052584	13.45125213
####	Alexandria City	Virginia	0.4402	12.38546237	153.3996782	21.59101774
####	Bristol City	Virginia	0.4616	14.84813911	220.4672352	6.643932935
####	Buena Vista City	Virginia	0.4273	23.10412801	533.8007313	3.187191381

####	Charlottesville City	Virginia	0.51	52.26666667	2731.804444	19.64498371
####	Chesapeake City	Virginia	0.3951	24.9525872	622.6316082	29.79427439
####	Colonial Heights City	Virginia	0.4052	43.93142617	1929.970205	13.80686353
####	Covington City	Virginia	0.4193	14.63414634	214.1582391	13.73654536
####	Danville City	Virginia	0.4926	44.66733117	1995.170474	48.30695017
####	Emporia City	Virginia	0.5128	65.37496078	4273.885497	65.38190778
####	Fairfax City	Virginia	0.4132	26.33091093	693.3168706	4.709235547
####	Falls Church City	Virginia	0.423	26.33091093	693.3168706	5.537708429
####	Franklin City	Virginia	0.4618	41.26180536	1702.536582	57.96812749
####	Fredericksburg City	Virginia	0.4809	48.08345904	2312.019034	22.43166116
####	Galax City	Virginia	0.4917	4.862598245	23.64486169	4.512247529
####	Hampton City	Virginia	0.4164	41.69199105	1738.222117	50.24981009
####	Harrisonburg City	Virginia	0.4767	10.19736842	103.9863227	7.296196454
####	Hopewell City	Virginia	0.424	58.09797106	3375.374242	37.61340782
####	Lexington City	Virginia	0.5068	23.10412801	533.8007313	6.39583919
####	Lynchburg City	Virginia	0.4882	43.72665332	1912.02021	28.09239172
####	Manassas City	Virginia	0.4004	27.50729714	756.6513959	14.50192897
####	Manassas Park City	Virginia	0.371	27.50729714	756.6513959	13.01360726
####	Martinsville City	Virginia	0.5085	41.45394465	1718.429527	45.57293561
####	Newport News City	Virginia	0.4261	55.94857976	3130.243578	40.10321898
####	Norfolk City	Virginia	0.469	26.63389797	709.3645209	42.62109543
####	Norton City	Virginia	0.5261	1.464063886	2.143483064	6.97384807
####	Petersburg City	Virginia	0.4352	48.26504202	2329.514282	77.37291532
####	Poquoson City	Virginia	0.4042	38.9120298	1514.146064	0.685780385
####	Portsmouth City	Virginia	0.4224	24.92995758	621.5027847	52.84614664
####	Radford City	Virginia	0.5118	21.3720312	456.7637176	8.797740246
####	Richmond City	Virginia	0.5373	34.50509862	1190.601831	48.89251077
####	Roanoke City	Virginia	0.4593	32.84045726	1078.495633	27.86041716
####	Salem City	Virginia	0.4446	32.84045726	1078.495633	7.921974522
####	Staunton City	Virginia	0.4713	20.23856716	409.5996005	11.64843362
####	Suffolk City	Virginia	0.4183	39.98023515	1598.419203	41.85336406
####	Virginia Beach City	Virginia	0.4117	40.5867809	1647.286784	19.17742127
####	Waynesboro City	Virginia	0.3975	20.23856716	409.5996005	12.24441611
####	Williamsburg City	Virginia	0.4999	41.94813466	1759.646001	14.80452746
####	Winchester City	Virginia	0.4762	13.65284661	186.4002205	10.78391476
####	Barbour County	West Virginia	0.4277	1.098210245	1.206065742	0.837170364

####	Berkeley County	West Virginia	0.4202	13.09303162	171.4274771	7.140061869
####	Boone County	West Virginia	0.4557	3.463826746	11.99809573	0.861606959
####	Braxton County	West Virginia	0.4444	2.074087447	4.301838739	0.655534088
####	Brooke County	West Virginia	0.4102	0.325069819	0.105670387	1.622735107
####	Cabell County	West Virginia	0.5004	3.802396987	14.45822285	4.649577593
####	Calhoun County	West Virginia	0.444	0.381566606	0.145593075	0.105499143
####	Clay County	West Virginia	0.4232	1.529318704	2.338815698	0
####	Doddridge County	West Virginia	0.3917	0.672779853	0.45263273	0.941801497
####	Fayette County	West Virginia	0.4323	4.639035702	21.52065224	5.007766523
####	Gilmer County	West Virginia	0.4724	1.361877485	1.854710284	11.6471399
####	Grant County	West Virginia	0.3887	10.73400181	115.2187949	0.820018598
####	Greenbrier County	West Virginia	0.4652	12.46942055	155.4864487	2.258761469
####	Hampshire County	West Virginia	0.4511	8.779863214	77.08599806	1.393934274
####	Hancock County	West Virginia	0.4492	0.044994376	0.002024494	2.591458395
####	Hardy County	West Virginia	0.4429	10.70967615	114.6971632	3.75492655
####	Harrison County	West Virginia	0.449	4.175605304	17.43567965	1.704093008
####	Jackson County	West Virginia	0.4582	0.763402444	0.582783292	0.725307058
####	Jefferson County	West Virginia	0.4141	27.08071137	733.3649282	6.50137237
####	Kanawha County	West Virginia	0.4689	13.46680517	181.3548414	4.163429197
####	Lewis County	West Virginia	0.4398	2.866225836	8.215250544	0.859127468
####	Lincoln County	West Virginia	0.4357	5.097884686	25.98842827	0.449094866
####	Logan County	West Virginia	0.4487	2.997332916	8.984004608	2.192485277
####	McDowell County	West Virginia	0.4839	0.429194229	0.184207686	9.477938067
####	Marion County	West Virginia	0.4369	0.515541689	0.265783233	3.582136936
####	Marshall County	West Virginia	0.4585	0.233051993	0.054313231	0.855850348
####	Mason County	West Virginia	0.4247	4.118850035	16.96492561	0.731429412
####	Mercer County	West Virginia	0.4594	5.376651971	28.90838641	5.662714564
####	Mineral County	West Virginia	0.4534	8.5321201	72.7970734	3.041702494
####	Mingo County	West Virginia	0.4646	2.920560661	8.529674576	1.654657059
####	Monongalia County	West Virginia	0.5153	0.769008047	0.591373376	3.585097476
####	Monroe County	West Virginia	0.3896	10.37731964	107.688763	0.584146702
####	Morgan County	West Virginia	0.4554	2.909238735	8.463670019	0.802292264
####	Nicholas County	West Virginia	0.503	3.326970924	11.06873553	0.022997317
####	Ohio County	West Virginia	0.4958	0.445797418	0.198735338	3.988078988
####	Pendleton County	West Virginia	0.4563	4.027818311	16.22332034	2.843853821
####	Pleasants County	West Virginia	0.4283	0.516601298	0.266876901	0.592105263

####	Pocahontas County	West Virginia	0.4293	6.554245797	42.95813796	1.469575201
####	Preston County	West Virginia	0.3976	0.530429493	0.281355447	3.018979834
####	Putnam County	West Virginia	0.4298	9.201885317	84.67469339	1.192419618
####	Raleigh County	West Virginia	0.4547	1.898170606	3.603051648	8.280157814
####	Randolph County	West Virginia	0.4409	3.637375381	13.23049966	1.409359506
####	Ritchie County	West Virginia	0.3879	0.555936874	0.309065808	0.361999804
####	Roane County	West Virginia	0.4639	1.363949193	1.860357401	0.027120483
####	Summers County	West Virginia	0.429	9.184835212	84.36119787	4.489378787
####	Taylor County	West Virginia	0.4405	1.502532261	2.257603195	1.031292357
####	Tucker County	West Virginia	0.4305	1.620928702	2.627409856	0.157232704
####	Tyler County	West Virginia	0.4362	0.278701864	0.077674729	0.231175694
####	Upshur County	West Virginia	0.427	2.910680064	8.472058437	0.9433577
####	Wayne County	West Virginia	0.4517	2.148837483	4.61750253	0.165328861
####	Webster County	West Virginia	0.4586	1.450380944	2.103604881	0.044419767
####	Wetzel County	West Virginia	0.4566	0.154308294	0.02381105	0.091945568
####	Wirt County	West Virginia	0.4567	0.648410126	0.420435691	0.860585198
####	Wood County	West Virginia	0.456	1.590390613	2.529342302	1.068191004
####	Wyoming County	West Virginia	0.4444	2.277398869	5.186545608	0.706805155