# Cancer EDA Lina + Duda

### Setup

First, we load the car library, which gives us a convenient scatterplotMatrix function.

```
## Loading required package: carData
# Load the data
cancer.df=read.csv("cancer.csv")
```

#### **Data Transformation**

We're going to explore a set of variables that represent the levels of health insurance coverage for individual counties. There are three variables in the original dataset that are related to insurance:

Variable Name	Description
PctPrivateCoverage PctPublicCoverage PctEmpPrivCoverage	Percentage of the population with private insurance coverage Percentage of the population with public insurance coverage Percentage of the population with employer-sponsored private insurance coverage

For the purposes of our explanatory analysis, we would like to conduct a more comprehensive research on various types and levels of insurance coverage and their effects on the mortality rates, so it makes sense to define a few more variables that can be derived from the original dataset. For example, we would like to include data about the populations with no insurance coverage, as well as the observations where individuals have both private and public insurance. It can also be more revealing to treat the employer-sponsored coverage as a relative proportion of the private coverage rather than an absolute value.

Hence, let's introduce three new variables as follows:

Variable Name	Description
PctPNoCoverage	Percentage of the population with no insurance coverage
${\bf PctDouble Coverage}$	Percentage of the population with both private and public insurance coverage
EmpSponsoredPct	Percentage of the private insurance sponsored by employers

We will now add these new variables to our original dataset:

```
nrow(cancer.df[(cancer.df$PctPublicCoverage + cancer.df$PctPrivateCoverage)>100,])
## [1] 1722
nrow(cancer.df[(cancer.df$PctPublicCoverage + cancer.df$PctPrivateCoverage)<100,])
## [1] 1313
cancer.df$PctDoubleCoverage=cancer.df$PctPublicCoverage + cancer.df$PctPrivateCoverage - 100
cancer.df$PctDoubleCoverage[cancer.df$PctDoubleCoverage < 0] = 0
summary(cancer.df$PctDoubleCoverage)</pre>
```

## Min. 1st Qu. Median Mean 3rd Qu. Max.

```
0.000
             0.000
##
                     1.300
                             3.203
                                      5.800 31.700
cancer.df$PctNoCoverage = 100 - cancer.df$PctPublicCoverage - cancer.df$PctPrivateCoverage
cancer.df$PctNoCoverage[cancer.df$PctNoCoverage < 0] = 0</pre>
summary(cancer.df$PctNoCoverage)
##
      Min. 1st Qu.
                    Median
                              Mean 3rd Qu.
                                               Max.
##
     0.000
             0.000
                     0.000
                             2.595
                                      3.750 34.600
cancer.df$EmpSponsoredPct = cancer.df$PctEmpPrivCoverage / cancer.df$PctPrivateCoverage * 100
summary(cancer.df$EmpSponsoredPct)
##
      Min. 1st Qu. Median
                              Mean 3rd Qu.
                                               Max.
##
     21.59
             59.08
                     65.14
                             63.76
                                      69.43
                                              84.55
```

### Univariate Analysis of Key Variables

Our key variables in this investigation will be deathRate (target variable) and several indpendent variables representing insurance coverage for counties' populations.

### Cancer Mortality Rate (deathRate variable)

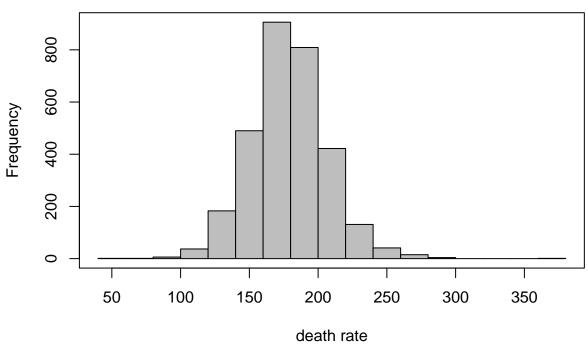
Let's start with the target variable and summarize it:

```
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## 59.7 161.2 178.1 178.7 195.2 362.8
```

We see that this is a metric variable with its mean and median values very close to each other. There are no missing values and no obviously wrong or suspicious outliers.

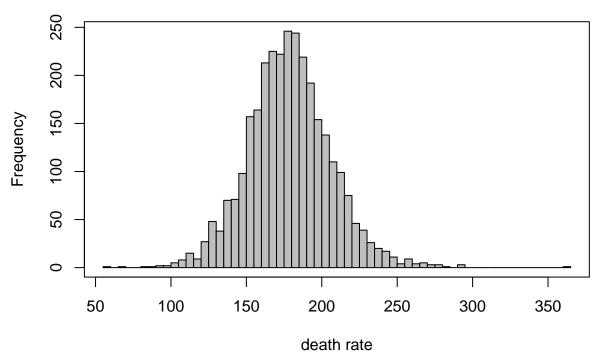
To better visualize the variable's values distribution, we plot the histogram.

## **Histogram of Cancer Death Rates**



can see from the output, the default method for selecting the number of bins produced too few bins, which might obscure some interesting features in the data. A better result is achieved by setting the binning rule to the one proposed by Freedman and Diaconis. Fortunately, hist() function has a built-in option for this:

## **Histogram of Cancer Death Rates**



we have a much higher level of detail and can easily infer that deathRate variable distribution is very close to the normal one, with a notable outliers on the far right of the histogram.

Now

Let's explore the extreme outliers with deathRate over 300 and see if we can find anything unusual in these observations. To find out how many outliers are there, we'll use the nrow() function:

```
nrow(cancer.df[cancer.df$deathRate > 300,])
```

#### ## [1] 1

Turns out there's only one observation with this property, so let's examine it a bit closer.

```
str(cancer.df[cancer.df$deathRate > 300,])
```

```
##
   'data.frame':
                     1 obs. of 33 variables:
    $ X
##
                           : int 1490
##
    $ avgAnnCount
                           : num 214
    $ medIncome
                             int 40207
##
##
    $ popEst2015
                             int 15234
##
    $ povertyPercent
                           : num 24.3
##
    $ binnedInc
                           : Factor w/ 10 levels "(34218.1, 37413.8]",..: 2
    $ MedianAge
##
                           : num 40.3
    $ MedianAgeMale
                           : num 42.3
##
##
    $ MedianAgeFemale
                           : num 36.9
                           : Factor w/ 3047 levels "Abbeville County, South Carolina",..: 2762
##
    $ Geography
    $ AvgHouseholdSize
                           : num 2.58
##
                           : num 36.4
    $ PercentMarried
##
##
    $ PctNoHS18_24
                           : num 27
##
    $ PctHS18_24
                           : num 45.1
    $ PctSomeCol18_24
                           : num NA
##
##
    $ PctBachDeg18_24
                           : num 0
    $ PctHS25_Over
                           : num 37.4
```

```
$ PctBachDeg25_Over
                          : num 5.5
##
   $ PctEmployed16_Over : num NA
   $ PctUnemployed16 Over: num 11.7
  $ PctPrivateCoverage : num 59.6
##
##
   $ PctEmpPrivCoverage
                         : num 41
   $ PctPublicCoverage
                          : num 35.8
##
   $ PctWhite
                          : num 74
   $ PctBlack
                          : num 21.6
##
                          : num 0.645
##
   $ PctAsian
##
   $ PctOtherRace
                          : num 1.53
  $ PctMarriedHouseholds: num 50
## $ BirthRate
                          : num 3.74
                          : num 363
   $ deathRate
##
  $ PctDoubleCoverage
##
                          : num 0
##
   $ PctNoCoverage
                          : num 4.6
   $ EmpSponsoredPct
                          : num 68.8
```

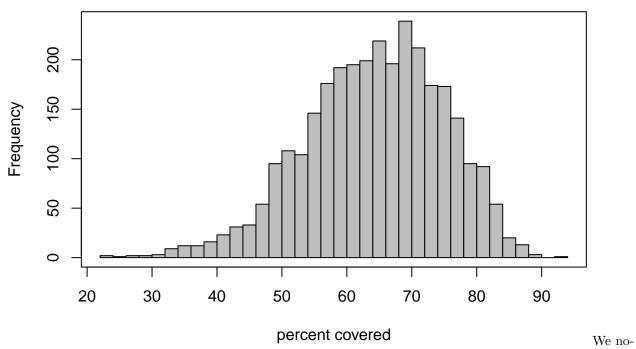
At first sight, nothing in the rest of the data stands out to provide a possible explanation for the high mortality rate (363). We might want to revisit this observation once we completed the rest of the analysis.

### Private Insurance Coverage (PctPrivateCoverage variable)

Similar to our target variable, we summarize PctPrivateCoverage and generate its histogram:

```
summary(cancer.df$PctPrivateCoverage)
                              Mean 3rd Qu.
##
      Min. 1st Qu.
                    Median
                                               Max.
           57.20
                     65.10
                             64.35
                                     72.10
                                              92.30
##
     22.30
with(cancer.df, hist(PctPrivateCoverage, breaks="FD", col = "gray",
                     main="Histogram of Private Insurance Coverage",
                     xlab="percent covered"))
box()
```

# **Histogram of Private Insurance Coverage**



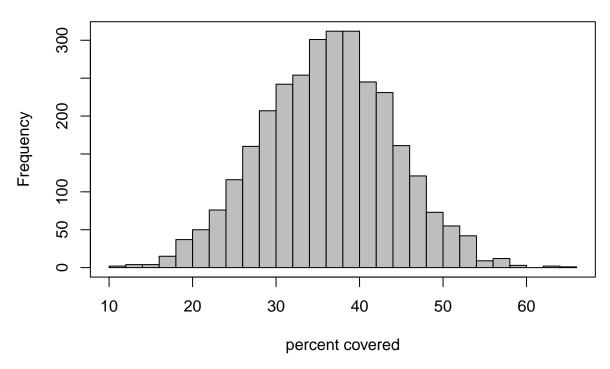
tice that the frequency distribution has some negative skew, with the majority of values falling between 55% and 75%. The data looks reasonable, with no obvious errors and missing values.

### ${\bf Public\ Insurance\ Coverage\ (PctPublicCoverage\ variable)}$

We repeat the steps executed above for the public insurance coverage:

```
summary(cancer.df$PctPublicCoverage)
##
      Min. 1st Qu.
                    Median
                               Mean 3rd Qu.
                                               Max.
                     36.30
     11.20
             30.90
                              36.25
                                      41.55
                                              65.10
with(cancer.df, hist(PctPublicCoverage, breaks="FD", col = "gray",
                     main="Histogram of Public Insurance Coverage",
                     xlab = "percent covered"))
box()
```

## **Histogram of Public Insurance Coverage**

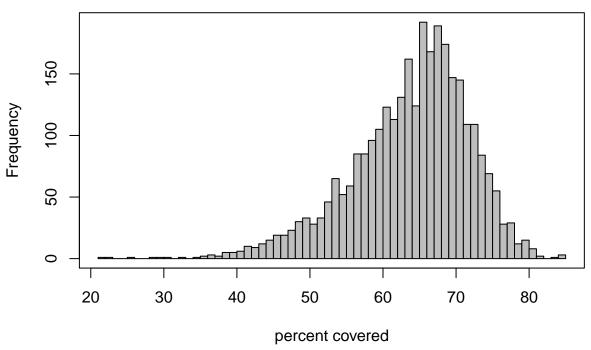


Compared to the private insurance coverage, the data is more evenly distributed and is much closer to the normal curve. The mean and median values are almost half of the ones for the private insurance coverage. From that we can infer that the private insurance is much more prevalent than the one sponsored by the state. Similar to PctPrivateCoverage, the public coverage variables doesn't show any obvious errors and there are no missing values.

### Employer-sponsored portion of the private coverage (EmpSponsoredPct variable)

After exploring the general category of the private coverage, we would like to examine what portion of the insurance are provided by employers:

## **Histogram of Employer Portion of Private Coverage**

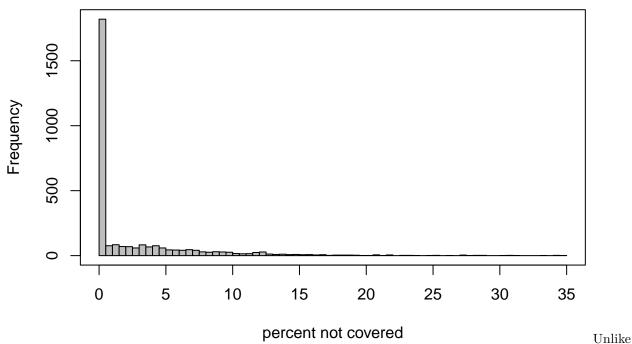


histogram tells us that employment is the major source of private insurance coverage in the counties: most of the values of EmpSponsoredPct variable fall between 60% and 70%.

### No insurance coverage (PctNoCoverage variable)

Let's summarize our generated variable that represents percentage of the population with no insurance coverage:

## **Histogram of No Insurance Coverage**



the distributions we've seen so far, this variable has a major peak around 0, with the rest of the values tapering off in the shape of the long-tailed distribution. To get a better insight into the variable, we can generate the percentile metric:

```
quantile(cancer.df$PctNoCoverage, prob = seq(0, 1, length = 11), type = 5)
##  0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
##  0.0  0.0  0.0  0.0  0.0  0.6  2.7  4.9  8.7 34.6
```

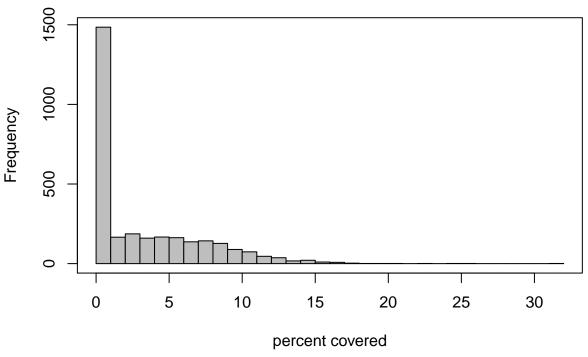
The result shows that 80% of the observations have less than 5% of the population with no health insurance. We can safely infer then that the effect of this variable on the target will be minimal.

### Coverage that includes both private and public components (PctDoubleCoverage variable)

We repeat the steps executed during the evaluation of PctNoCoverage variable:

```
summary(cancer.df$PctDoubleCoverage)
##
      Min. 1st Qu.
                    Median
                               Mean 3rd Qu.
                                                Max.
     0.000
             0.000
                     1.300
                              3.203
                                      5.800
                                             31.700
##
with(cancer.df, hist(PctDoubleCoverage, breaks="FD", col = "gray",
                     main="Histogram of Double Coverage",
                     xlab = "percent covered"))
box()
```

## **Histogram of Double Coverage**



```
quantile(cancer.df$PctDoubleCoverage, prob = seq(0, 1, length = 11), type = 5)
        10%
             20%
                   30%
                        40%
                             50%
                                  60%
                                       70%
                                            80%
                                                 90% 100%
   0.0
        0.0
             0.0
                   0.0
                        0.0
                             1.3
                                  3.0
                                       4.8
                                            6.9
                                                 9.1 31.7
```

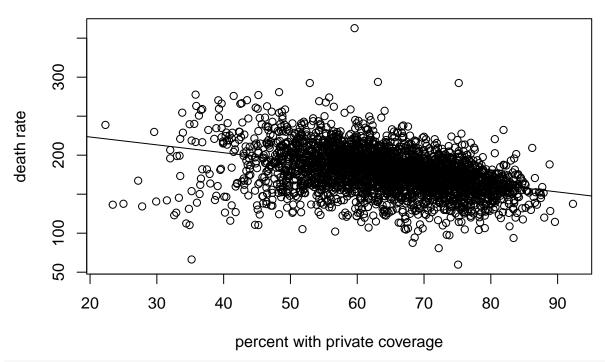
The result shows that 80% of the counties have less than 7% of the population with double health insurance. Therefore, similar to the previous case, its relative effect on the target variable will be minimal.

### Analysis of Key Relationships

#### Mortality rates for different levels of private insurance coverage

Our first question is whether having access to a private insurance coverage is correlated with cancer mortality rates. A reasonable hypothesis would be that a cancer patient with a private insurance would be able to afford better treatment options. As a result, she or he will have better chances of survival, so we should expect negative correlation between deathRate and PctPrivateCoverage. Let's build a scatterplot showing the relationshoip between these two variables. In order to get a better insight into what linear relationship exists in the data, we add the ordinary least squares regression line to the plot and calculate the correlation.

### Death rates for different levels of private insurance coverage



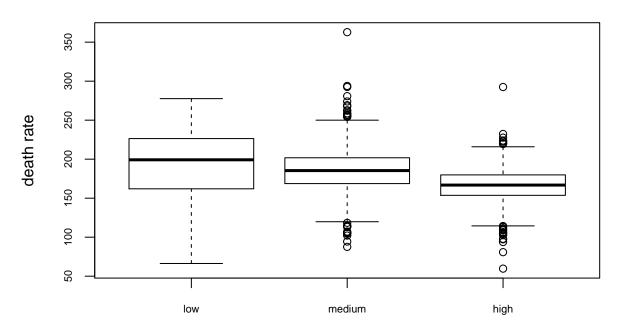
cor(cancer.df\$deathRate, cancer.df\$PctPrivateCoverage)

## [1] -0.3860655

Both from the plot and from the correlation value (-0.39) we can see that they're in agreement with our original hypothesis that mortality rates ared lower for the populations with higher percentage of private insurance coverage. The relationship does appear to be linear from about 40% of coverage onward (this is where the majority of observations seem to fall). At the lower end of the graph, the spread of values is much higher. Despite showing the overall trend, the scatterplot is quite noisy, so we might want to confirm our conclusion by generating boxplots for different categories of coverage. First, we'll split the range of PctPrivateCoverage variables into three bins and label them as "low", "medium", and "high" brackets of private insurance coverage. We then will build three separate boxplots for these categories and see how they're distributed relative to deathRate.

```
levels(cut(cancer.df$PctPrivateCoverage, 3, include.lowest=TRUE))
```

## Death Rate for different levels of private insurance coverage



### private insurance coverage

 $\mathrm{Th}\epsilon$ 

boxplot shows a clear downward trend from the "medium" to "high" category, with the majority of values clustered around the median. The "low" category boxplot, on the other hand, has a much wider spread of data points. We might conclude, therefore, that the effect of private insurance on mortality rates is only noticable for the percantage of coverage which is above certain threshold ( $\sim 40\%$ ). The "medium" category also includes the high death rate outlier we've identified earlier (>350). Therefore, the high mortality rate can't be explained by the inadequate private insurance coverage.

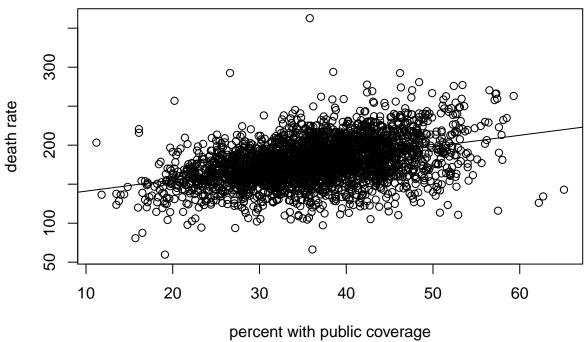
#### Summary of observations:

- 1. There's a mild negative correlation between cancer mortality rates and access to the private insurance coverage
- 2. The effect of negative correlation becomes noticable only after the coverage percentage reaches  $\sim$ 40%. Below this point, the data spread is much wider and the effect of private coverage is not obvious.

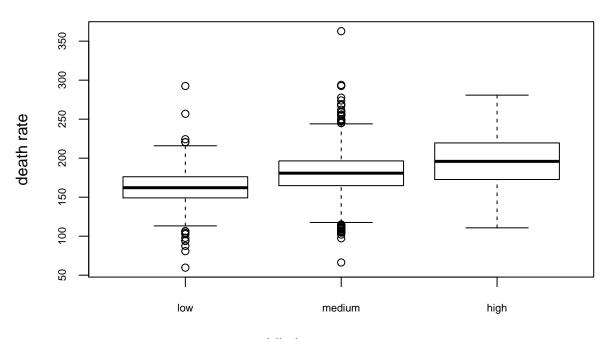
#### Mortality rates for different levels of public insurance coverage

We now explore whether public insurance coverage has a similar effect on cancer mortality rates. We repeat the same steps of data analysis we've performed for the private insurance variable:

## Death rates for different levels of public insurance coverage



### Death Rate for different levels of public insurance coverage



## public insurance coverage

Con

trary to our expectations, we see the directly opposite relationship between public insurance coverage and cancer mortality rates. The values are positively correlated and the correlation's absolute value is even higher than the one we calculated for private insurance coverage. There's also no salient threshold effect we observed earlier: the relationship appears to be linear throughout the entire range of coverage percentage.

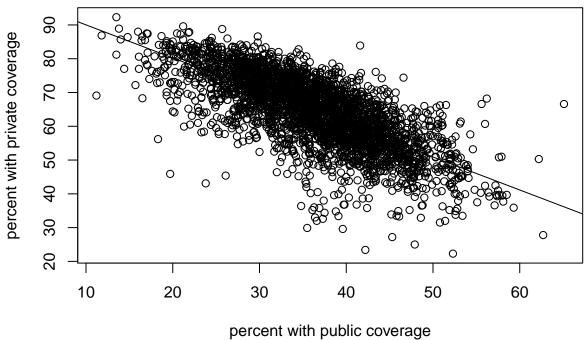
### Summary of observations:

- 1. There's a noticeble positive correlation between cancer mortality rates and availability of public insurance coverage
- 2. The relationship is very close to the linear one throughout the entire range of coverage's percentages

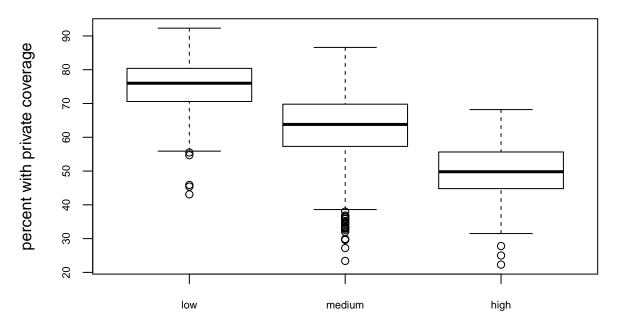
### Relationship between private and public insurance coverage

We will now explore if there is any meaningful relationship between private and public insurance coverage. As in the earlier steps of our investigation, we generate a scatterplot and box plots for these variables, and compute the correlation value:

## Private coverage for different levels of public insurance coverage



## Private coverage for different levels of public insurance coverage



### public insurance coverage

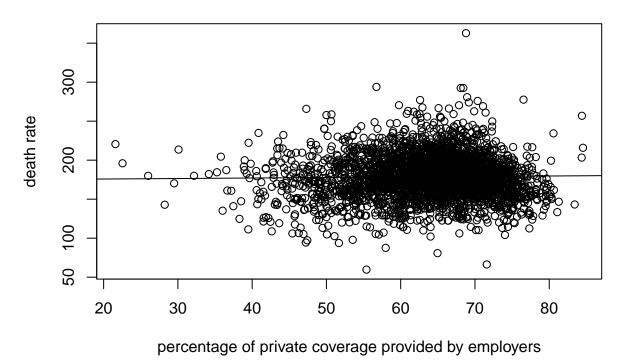
#### Summary of observations:

- 1. There's a strong negative correlation between private and public insurance coverage
- 2. The majority of observations cluster around ordinary least squares regression line, emphasizing linear relationship between the two variables

### Mortality rates for different levels of employer-sponsored private coverage

Finally, let's see if the relative portion of employer-sponsored private insurance coverage has any relationship with cancer mortality rates.

## Death rates for different levels of employer coverage



cor(cancer.df\$deathRate, cancer.df\$EmpSponsoredPct)

## [1] 0.01885173

#### Summary of observations:

1. From the data analysis above, we don't detect any noticable relationships between the cancer mortality rates and the composition of the private insurance coverage.

### Conclusion: insurance coverage per ce doesn't improve cancer mortality rates

- 1. The data analysis we performed has refuted our hypothesis that cancer patients who have access to health insurance have better chances of survival.
- 2. We also saw that private and public insurance demonstrate opposite relationships with cancer mortality rates.
- 3. One of the important findings is that higher levels of public insurance coverage are strongly correlated with lower percentage of private insurance coverage.
- 4. The relative amount of private coverage sponsored by employers have no detectable relationships with cancer mortality rates.
- 5. In order to explain these counter-intuitive results, as well as the 'threshold effect' of private coverage, we need to explore other variables that might directly influence these relationships.

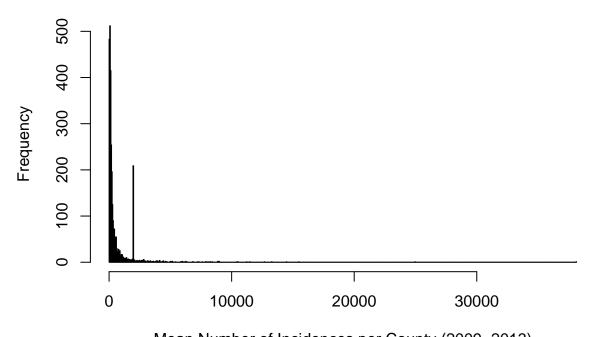
### Analysis of Secondary Effects

Since we have seen that private and public insurance have opposite relationships with cancer mortality rates and highly negatively correlated between each other, we now must explore other variables that could be influencing these relationships.

We will start with a univariate analysis of other selected variables avgAnnCount

hist(cancer.df\$avgAnnCount, breaks="fd", xlab = "Mean Number of Incidences per County (2009-2013)", yla

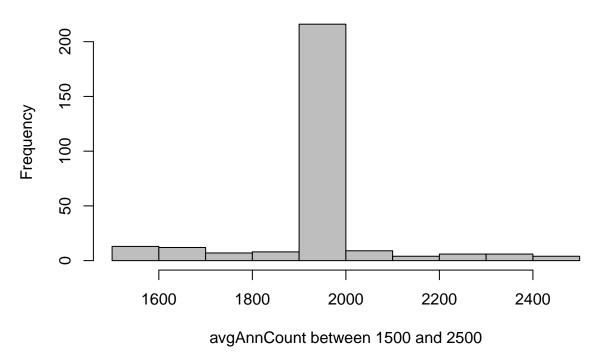
## **Histogram of Mean Cancer Incidences**



Mean Number of Incidences per County (2009–2013)  $_{\rm That\ sec}$  ond peak seems a little odd. We should take a look at what is going on there, where the avgAnnCount is between 1500 and 2500

hist(cancer.df\\$avgAnnCount[cancer.df\\$avgAnnCount>1500 & cancer.df\\$avgAnnCount<2500],xlab="avgAnnCount b

# Histogram of avgAnnCount outliers



We can now see that the peaks are between avgAnnCount of 1900 and 2000, a range easier to investigate: cancer.df\$avgAnnCount>1900 & cancer.df\$avgAnnCount<2000,]

##		X	${\tt avgAnnCount}$	${\tt medIncome}$	popEst2015	povertyPercent
##	112	112	1962.668	46840	24200	13.2
##	113	113	1962.668	51241	2114801	15.6
##	114	114	1962.668	60322	47710	10.3
##	115	115	1962.668	72648	51935	10.8
##	116	116	1962.668	47180	829	14.0
##	117	117	1962.668	70535	2016	9.8
##	118	118	1962.668	67423	17019	10.7
##	119	119	1962.668	74347	5903	11.0
##	120	120	1962.668	45629	5036	15.1
##	121	121	1962.668	48576	52585	13.7
##	122	122	1962.668	40714	4478	19.0
##	123	123	1962.668	42881	42477	16.8
##	124	124	1962.668	52001	6634	18.5
##	125	125	1962.668	55291	3987	8.4
##	126	126	1962.668	52862	446903	15.4
##	127	127	1962.668	57243	9811	13.7
##	128	128	1962.668	45639	54521	19.3
##	149	149	1997.000	73750	371398	11.8
##	368	368	1962.668	40676	15702	14.9
##	369	369	1962.668	70868	344151	7.6
##	370	370	1962.668	51116	33386	14.6
##	371	371	1962.668	43706	45672	18.5
##	372	372	1962.668	52531	39710	13.6
##	568	568	1908.000	45698	392664	16.1
##	1014	1014	1948.000	75689	375391	8.3

				22112	444700	
##	1026		1912.000	62116	444769	17.4
##	1295	1295	1962.668	50886	2640	10.4
##	1296	1296	1962.668	45341	2591	12.0
##	1297	1297	1962.668	60279	7733	10.9
##	1298	1298	1962.668	58543	6133	8.3
##	1299	1299	1962.668	52795	1330	10.8
##	1300	1300	1962.668	39732	6244	16.9
##	1301	1301	1962.668	47709	2474	12.8
##	1302	1302	1962.668	50525	5817	12.9
##	1303		1962.668	55074	35073	12.8
##	1304		1962.668	59596	4064	10.7
##		1305	1962.668	52394	1893	8.8
##		1306	1962.668	53796	13338	10.3
##	1307	1307	1962.668	56927	18930	9.4
##		1308	1962.668	44101	2970	13.5
##		1309	1962.668	76104	580159	6.6
##		1310	1962.668	53484	3956	12.2
##		1311	1962.668	53378	7687	11.2
##	1312	1312	1962.668	46318	2564	12.8
##	1313	1313	1962.668	53739	1670	10.9
##	1314	1314	1962.668	65549	79315	10.9
##	1315	1315	1962.668	44896	3105	12.7
##	1316	1316	1962.668	44520	9536	14.8
##	1317		1962.668	49852	2825	9.7
##	1318		1962.668	43038	33339	18.0
##		1319	1962.668	57878	28941	8.8
##	1320	1320	1962.668	47723	12103	11.9
##	1321	1321	1962.668	47901	9936	11.1
##		1322	1962.668	53903	4330	11.7
##	1323	1323	1962.668	63924	32553	9.5
##	1324		1962.668	48645	6282	11.2
##	1325	1325	1962.668	42221	33314	18.0
##	1326	1326	1962.668	44774	5645	12.5
##	1327	1327	1962.668	55378	3007	11.1
##	1328	1328	1962.668	54149	10227	9.9
##	1329	1329	1962.668	41527	16346	17.7
##	1330	1330	1962.668	51923	3005	10.0
##	1331	1331	1962.668	44846	5550	13.5
##	1332	1332	1962.668	52749	15847	12.9
##	1333	1333	1962.668	38848	3683	12.9
##	1334	1334	1962.668	52744	5975	10.4
##	1335	1335	1962.668	47351	6838	13.9
##	1336	1336	1962.668	45856	5428	11.4
##	1337	1337	1962.668	65373	23298	10.0
##	1338	1338	1962.668	54701	9691	10.3
##	1339	1339	1962.668	44932	2506	11.8
##	1340	1340	1962.668	46533	63718	15.8
##	1341	1341	1962.668	42381	4725	12.7
##	1342	1342	1962.668	49152	9977	14.7
##		1343	1962.668	46468	75247	20.2
##		1344	1962.668	48383	5174	12.0
##		1345	1962.668	43083	3130	12.1
##	1346		1962.668	45443	7039	13.3
##	1347	1347	1962.668	48460	55691	13.0

##	1348	1348	1962.668	56032	4964	8.3
##	1349	1349	1962.668	51175	511574	14.7
##	1350		1962.668	47381	23152	15.7
##	1351		1962.668	52795	178725	15.0
##	1352	1352	1962.668	52300	2512	10.9
##	1353	1353	1962.668	43100	5983	16.2
##	1354	1354	1962.668	41303	3704	13.5
##		1355	1962.668	45945	4236	14.1
##		1356	1962.668	56591	2072	11.5
##		1357	1962.668	59773	5806	9.7
##		1358	1962.668	52476	23535	13.3
##		1359	1962.668	50639	7904	11.3
##	1360		1962.668	46859	2927	9.9
##	1361		1962.668	59160	6951	9.6
##		1362	1962.668	49109	1518	12.0
##		1363	1962.668	43264	5598	10.8
##		1364	1962.668	53447	2157	11.5
##	1365		1962.668	39764	8856	16.7
##	1366		1962.668	35502	3115	18.4
##	1367		1962.668	37087	163369	24.4
##	1486		1940.000	56443	449144	11.8
##		1564	1976.000	65555	401515	9.5
##		1744	1931.000	61510	300813	10.0
##		1840	1931.000	88516	716087	8.8
##		1924	1929.000	70929	537559	10.9
	2454		1962.668	46495	5040	12.8
	2455		1962.668	49513	65787	17.9
	2456		1962.668	52272	25313	8.9
	2457		1962.668	53291	35569	12.1
	2458		1962.668	88500	98741	4.8
	2459		1962.668	45179	28706	15.7
	2460		1962.668	51274	12109	11.5
	2461		1962.668	75122	54293	6.2
	2462		1962.668	55560	62324	13.3
	2463		1962.668	43674	8803	17.8
	2464		1962.668	48593	5194	10.4
	2465		1962.668	48176	11549	12.9
	2466		1962.668	50162	63428	10.9
	2467		1962.668	76269	414686	7.3
	2468		1962.668 1962.668	68777	20364	7.6
	2469		1962.668	52298	37075	9.6
	<ul><li>2470</li><li>2471</li></ul>			48163	14050	13.5
	2471		1962.668	52444	20834	11.6
	2472		1962.668	47203	30613 46435	12.5
##			1962.668	60869		9.6
##	2474		1962.668 1962.668	48179 64490	5903	10.5
##	<ul><li>2475</li><li>2476</li></ul>		1962.668	59900	1223149 18773	13.0
##			1962.668			8.4
##	2477			47944	20655	12.2
##	2478		1962.668	65342	38429	7.8
##	<ul><li>2479</li><li>2480</li></ul>		1962.668 1962.668	48525 53700	45435 10079	14.7 9.8
	2480		1962.668	48908	15837	13.8
	2482		1962.668	57405	42542	11.5
π#	Z <del>1</del> 0Z	Z <del>1</del> 0Z	1902.000	01400	42042	11.5

##	2483	2/183	1962.668	50372	4424	9.9
	2484		1962.668	44113	12841	15.3
##	2485		1962.668	48245	6856	10.4
##	2486		1962.668	52381	10631	10.5
##	2487		1962.668	44727	3923	10.7
##	2488		1962.668	61665	27663	8.9
##	2489		1962.668	48449	5771	10.2
##	2490		1962.668	53552	25673	11.5
##	2491		1962.668	60114	35932	7.9
##	2492		1962.668	39926	5457	19.6
##	2493		1962.668	54433	9423	9.6
##	2494		1962.668	52042	20022	12.2
##	2495		1962.668	54354	23102	10.0
##	2496		1962.668	48434	25788	12.0
##	2497		1962.668	50685	32775	11.8
##	2498		1962.668	47537	39116	12.1
##	2499	2499	1962.668	52219	8413	9.6
##	2500		1962.668	61279	33347	10.2
##	2501	2501	1962.668	50684	21770	13.0
##	2502	2502	1962.668	51597	6678	13.4
##	2503	2503	1962.668	69430	151436	9.8
##	2504	2504	1962.668	51510	57716	11.2
##	2505	2505	1962.668	50905	14219	9.3
##	2506	2506	1962.668	42157	29069	17.5
##	2507	2507	1962.668	47164	9271	12.2
##	2508	2508	1962.668	50175	31533	12.7
##	2509	2509	1962.668	51343	11041	10.4
##	2510	2510	1962.668	55070	538133	16.5
##	2511	2511	1962.668	48188	4055	9.2
##	2512	2512	1962.668	49934	15471	12.4
##	2513	2513	1962.668	54386	14892	11.3
##	2514	2514	1962.668	60317	65400	13.0
##	2515	2515	1962.668	55352	9600	9.6
##	2516	2516	1962.668	53838	15770	9.2
##	2517	2517	1962.668	49714	200431	17.0
##	2518	2518	1962.668	91688	141660	5.5
##	2519	2519	1962.668	76512	91705	7.2
##	2520	2520	1962.668	59893	14875	9.2
##	2521	2521	1962.668	55832	154708	13.4
##	2522		1962.668	57850	36755	10.9
##	2523		1962.668	55292	9796	14.2
##	2524		1962.668	51032	9340	10.8
##		2525	1962.668	43287	24257	17.8
##		2526	1962.668	49536	3401	12.2
##	2527		1962.668	58752	21239	7.3
##		2528	1962.668	41909	13875	15.8
##		2529	1962.668	54183	18989	10.1
##		2530	1962.668	84113	251597	6.0
##		2531	1962.668	48658	10952	10.4
##	2532		1962.668	54536	6396	10.4
##	2533		1962.668	49365	50885	15.8
##	2534		1962.668	76489	131311	6.0
##	2535		1962.668	51028	9875	11.2
##	3019		1962.668	39196	12717	18.2
##	2019	2013	1302.000	22120	12111	10.2

##	3020	3020 1	962.668	45368	7808	14.3
			962.668	44199	16398	17.4
			962.668	51676	4823	12.4
			962.668	46942	27103	17.8
			962.668	38430	14712	18.4
##	3025	3025 1	962.668	45781	9776	17.3
##	3026	3026 1	962.668	60123	66741	11.3
##	3027	3027 1	962.668	47025	2679	13.2
##	3028	3028 1	962.668	39120	3402	16.4
##	3029	3029 1	962.668	41797	2679	11.5
##	3030	3030 1	962.668	47650	2096	13.0
##	3031	3031 1	962.668	53131	8347	10.9
##	3032	3032 1	962.668	42697	9219	14.0
##	3033	3033 1	962.668	55705	8384	10.9
##	3034	3034 1	962.668	45353	1843	11.4
##	3035	3035 1	962.668	45180	35788	15.0
##	3036	3036 1	962.668	41434	2932	13.9
##	3037	3037 1	962.668	47493	19303	11.1
##	3038	3038 1	962.668	47599	7797	15.0
##	3039	3039 1	962.668	49246	118053	19.4
##	3040	3040 1	962.668	49256	2968	10.5
##	3041	3041 1	962.668	36471	2605	17.4
##	3042	3042 1	962.668	49508	29029	13.0
##	3043	3043 1	962.668	46961	6343	12.4
##	3044	3044 1	962.668	48609	37118	18.8
##	3045	3045 1	962.668	51144	34536	15.0
##	3046	3046 1	962.668	50745	25609	13.3
##	3047	3047 1	962.668	41193	37030	13.9
##			binnedInc	MedianAge	MedianAgeMal	e MedianAgeFemale
##	112	(45201,	48021.6]	38.9	37.	1 40.8
##	113	(51046.4,	54545.6]	36.4	35.	9 37.0
##	114	(54545.6,	61494.5]	49.4	48.	7 50.0
##	115	(61494.5	, 125635]	33.5	32.	9 34.1
##	116	(45201,	48021.6]	46.5	43.	0 47.5
##	117	(61494.5	, 125635]	43.9	44.	9 42.6
##	118	(61494.5	, 125635]	35.3	34.	9 35.4
##	119	(61494.5	, 125635]	37.2	36.	4 37.6
	120		48021.6]	37.4	37.	
##	121	(48021.6,	51046.4]	43.2	43.	1 43.4
##	122	(40362.7,	42724.4]	48.7	48.	0 49.2
##	123	(42724.	4, 45201]	50.8	50.	8 50.8
##	124	(51046.4,	54545.6]	41.3	39.	
##	125	(54545.6,	61494.5]	54.7	54.	
	126		54545.6]	37.6	36.	
	127		61494.5]	39.4	38.	
	128		48021.6]	42.6	41.	
	149		, 125635]	38.4	36.	
##	368		42724.4]	53.1	52.	
	369	-	, 125635]	37.9	37.	
	370		54545.6]	42.4	42.	
	371	-	4, 45201]	33.3	31.	
	372		54545.6]	35.4	35.	
	568		48021.6]	36.4	34.	
			5, 125635]	41.0	39.	
##	1014	(01494.5	, 123633]	41.0	55.	1 72.2

		(61494.5, 125635]	33.6	32.4	35.0
##	1295	(48021.6, 51046.4]	47.4	45.3	50.1
##	1296	(45201, 48021.6]	49.8	49.0	51.9
##	1297	(54545.6, 61494.5]	32.8	32.4	33.2
##	1298	(54545.6, 61494.5]	36.1	36.8	35.0
##	1299	(51046.4, 54545.6]	49.4	48.7	49.9
##	1300	(37413.8, 40362.7]	48.0	48.0	48.0
##	1301	(45201, 48021.6]	38.0	35.8	39.1
##	1302	(48021.6, 51046.4]	43.0	39.7	46.7
		(54545.6, 61494.5]	38.6	37.7	39.3
		(54545.6, 61494.5]	36.1	32.6	38.5
		(51046.4, 54545.6]	47.8	46.3	49.3
		(51046.4, 54545.6]	40.8	39.4	42.5
		(54545.6, 61494.5]	43.5	42.6	44.6
	1308	(42724.4, 45201]	52.1	50.7	52.8
		(61494.5, 125635]			
		•	36.8	35.6	38.1
		(51046.4, 54545.6]	34.8	30.6	39.3
		(51046.4, 54545.6]	45.2	41.7	46.8
	1312	(45201, 48021.6]	41.7	41.3	42.4
		(51046.4, 54545.6]	535.2	44.7	44.4
		(61494.5, 125635]	37.3	36.4	38.6
	1315	(42724.4, 45201]	46.2	43.8	47.9
	1316	(42724.4, 45201]	43.7	44.3	42.9
##	1317	(48021.6, 51046.4]	42.2	40.6	45.7
##	1318	(42724.4, 45201]	32.5	32.5	32.4
##	1319	(54545.6, 61494.5]	42.0	40.2	43.6
##	1320	(45201, 48021.6]	45.0	43.7	46.0
##	1321	(45201, 48021.6]	45.0	43.3	46.3
##	1322	(51046.4, 54545.6]	39.8	36.5	42.4
##	1323	(61494.5, 125635]	40.4	39.5	41.4
##	1324	(48021.6, 51046.4]	44.4	40.8	48.0
##	1325	(40362.7, 42724.4]	39.4	37.0	41.9
##	1326	(42724.4, 45201]	47.6	46.6	49.5
##	1327	(54545.6, 61494.5]		38.3	46.3
		(51046.4, 54545.6]	41.6	39.7	43.6
		(40362.7, 42724.4]	40.0	39.7	40.6
		(51046.4, 54545.6]	49.2	46.0	51.9
	1331	(42724.4, 45201]	44.0	42.1	48.5
		(51046.4, 54545.6]		42.2	42.9
		(37413.8, 40362.7]		46.5	49.7
		(51046.4, 54545.6]		39.5	45.4
	1335	•		41.5	48.2
		(45201, 48021.6]		44.2	45.5
		(61494.5, 125635]		34.7	34.6
		(54545.6, 61494.5]			42.6
		(42724.4, 45201]		35.0	
		· · · · · · · · · · · · · · · · · · ·		48.7	52.4
		(45201, 48021.6]		37.6	42.3
		(40362.7, 42724.4]		50.0	51.7
		(48021.6, 51046.4]		35.3	41.9
	1343	· · · · · · · · · · · · · · · · · · ·		24.5	25.3
		(48021.6, 51046.4]		43.2	45.3
	1345	(42724.4, 45201]		48.1	49.8
		•		43.8	48.5
##	1347	(48021.6, 51046.4]	37.7	36.8	39.1

		(54545.6, 61494.5]	42.0	40.7	43.4
		(51046.4, 54545.6]	34.6	33.4	35.7
##	1350	(45201, 48021.6]	29.4	29.2	29.6
##	1351	(51046.4, 54545.6]	38.8	37.4	40.1
##	1352	(51046.4, 54545.6]	45.7	43.1	48.3
##	1353	(42724.4, 45201]	38.4	39.4	36.8
##	1354	(40362.7, 42724.4]	50.7	50.3	50.9
##	1355	(45201, 48021.6]	43.7	42.3	45.2
##	1356	(54545.6, 61494.5]	35.7	36.9	33.6
##	1357	(54545.6, 61494.5]	34.9	34.3	37.0
##	1358	(51046.4, 54545.6]	40.8	39.4	41.7
##	1359	(48021.6, 51046.4]	35.3	34.2	37.2
##	1360	(45201, 48021.6]	49.1	48.8	49.4
##	1361	(54545.6, 61494.5]	42.1	41.9	43.0
##	1362	(48021.6, 51046.4]	41.8	43.4	38.8
##	1363	(42724.4, 45201]	46.3	44.1	48.4
##	1364	(51046.4, 54545.6]	35.7	34.5	40.5
##	1365	(37413.8, 40362.7]	43.8	42.1	46.1
##	1366	(34218.1, 37413.8]	47.4	46.9	48.6
##	1367	(34218.1, 37413.8]	33.3	32.4	34.2
##	1486	(54545.6, 61494.5]	39.1	37.1	40.5
##	1564	(61494.5, 125635]	41.3	40.1	42.5
##	1744	(61494.5, 125635]	41.8	40.0	43.2
##	1840	(61494.5, 125635]	35.5	34.6	36.3
		(61494.5, 125635]	36.4	35.5	37.3
	2454	(45201, 48021.6]	49.2	47.6	50.4
##	2455	(48021.6, 51046.4]	30.1	29.3	31.0
		(51046.4, 54545.6]	43.5	42.0	45.2
		(51046.4, 54545.6]	41.0	40.6	41.8
##	2458	(61494.5, 125635]	36.9	36.1	37.6
##	2459	(42724.4, 45201]	48.3	48.0	48.6
##	2460	(51046.4, 54545.6]	43.0	42.5	44.3
##	2461	(61494.5, 125635]	40.2	38.7	41.4
##	2462	(54545.6, 61494.5]	32.4	32.0	32.9
	2463	(42724.4, 45201]	42.5	41.5	43.7
##	2464	(48021.6, 51046.4]	51.3	50.5	52.6
		(48021.6, 51046.4]	42.8	42.0	44.2
		(48021.6, 51046.4]	43.5	42.7	44.5
		(61494.5, 125635]		36.5	38.6
		(61494.5, 125635]		36.9	39.0
		(51046.4, 54545.6]		42.4	45.9
		(48021.6, 51046.4]		44.1	48.3
		(51046.4, 54545.6]		41.7	44.4
	2472			43.1	46.4
		(54545.6, 61494.5]		41.3	44.4
		(48021.6, 51046.4]		44.5	48.2
		(61494.5, 125635]		35.3	37.2
		(54545.6, 61494.5]		43.6	46.4
		(45201, 48021.6]		47.7	48.4
		(61494.5, 125635]		37.8	40.4
		(48021.6, 51046.4]		44.6	47.1
		(51046.4, 54545.6]		42.7	44.3
		(48021.6, 51046.4]		42.9	44.5
		(54545.6, 61494.5]		37.7	42.2
• ••				2	

##	2483	(48021.6, 51046.4]	48.1	46.7	49.6
	2484	(42724.4, 45201]	47.4	46.9	47.9
##	2485	(48021.6, 51046.4]	49.8	47.8	51.6
##	2486	(51046.4, 54545.6]	50.2	50.0	50.5
##	2487	(42724.4, 45201]	50.3	51.3	48.7
##	2488	(61494.5, 125635]	41.3	41.2	41.3
##	2489	(48021.6, 51046.4]	46.5	45.1	48.4
##	2490	(51046.4, 54545.6]	35.1	33.8	36.5
		(54545.6, 61494.5]	39.9	38.7	42.0
		(37413.8, 40362.7]	36.3	35.6	37.3
		(51046.4, 54545.6]	43.8	43.2	44.3
		(51046.4, 54545.6]	45.4	44.4	47.6
		(51046.4, 54545.6]	42.0	41.8	42.2
		(48021.6, 51046.4]	40.3	38.9	41.7
		(48021.6, 51046.4]	41.2	40.0	42.5
	2498	(45201, 48021.6]	39.0	37.7	40.8
		(51046.4, 54545.6]	47.6	46.7	48.5
		(54545.6, 61494.5]	35.7	35.6	35.7
		(48021.6, 51046.4]	36.6	35.6	37.6
		(51046.4, 54545.6]	45.4	44.4	47.1
		(61494.5, 125635]	36.7	35.8	37.7
		(51046.4, 54545.6]			
			46.7	45.4	48.0
		(48021.6, 51046.4]	39.1	36.6	40.3
		(40362.7, 42724.4]	43.7	42.3	45.3
	2507	(45201, 48021.6]	42.3	39.9	44.5
		(48021.6, 51046.4]	38.9	36.9	41.5
		(51046.4, 54545.6]	46.5	44.4	48.6
		(54545.6, 61494.5]	34.6	33.5	35.7
		(48021.6, 51046.4]	42.3	41.5	42.9
		(48021.6, 51046.4]	43.2	41.7	45.0
		(51046.4, 54545.6]	44.5	43.5	45.5
		(54545.6, 61494.5]	36.4	35.0	37.4
		(54545.6, 61494.5]	41.1	40.3	42.4
		(51046.4, 54545.6]	41.2	41.1	41.3
		(48021.6, 51046.4]	40.9	39.4	42.7
	2518	(61494.5, 125635]	35.5	35.2	35.9
	2519	(61494.5, 125635]	35.3	34.9	35.7
		(54545.6, 61494.5]	41.4	40.1	42.7
		(54545.6, 61494.5]		33.0	34.8
		(54545.6, 61494.5]		39.1	40.2
##	2523	(54545.6, 61494.5]	32.7	31.4	33.9
##	2524	(48021.6, 51046.4]	44.5	43.5	45.8
	2525	•	43.0	42.1	44.0
##	2526	(48021.6, 51046.4]	48.4	47.1	49.5
##	2527	(54545.6, 61494.5]	43.8	43.1	44.7
##	2528	(40362.7, 42724.4]	43.3	41.6	44.7
##	2529	(51046.4, 54545.6]	39.0	38.2	39.6
##	2530	(61494.5, 125635]	38.9	37.8	40.0
##	2531	(48021.6, 51046.4]	39.6	38.1	41.2
##	2532	(51046.4, 54545.6]	43.7	41.9	45.7
##	2533	(48021.6, 51046.4]	33.9	33.8	33.9
##	2534	(61494.5, 125635]		35.3	36.0
##	2535	(48021.6, 51046.4]	43.0	40.7	45.1
##	3019	(37413.8, 40362.7]	41.2	39.9	43.4

```
(45201, 48021.6]
## 3020
                                  41.7
                                                 40.4
                                                                  42.7
## 3021
          (42724.4, 45201]
                                  35.9
                                                 34.1
                                                                  37.4
## 3022 (51046.4, 54545.6]
                                  44.9
                                                 45.3
                                                                  44.7
## 3023
          (45201, 48021.6]
                                                 38.5
                                  39.3
                                                                  40.5
## 3024 (37413.8, 40362.7]
                                  37.3
                                                 34.0
                                                                  40.7
          (45201, 48021.6]
## 3025
                                  42.5
                                                 41.4
                                                                  43.5
## 3026 (54545.6, 61494.5]
                                  37.8
                                                 36.5
                                                                  38.7
          (45201, 48021.6]
## 3027
                                  46.2
                                                 45.0
                                                                  47.6
## 3028 (37413.8, 40362.7]
                                  49.1
                                                 46.8
                                                                  51.0
## 3029 (40362.7, 42724.4]
                                  49.6
                                                 46.4
                                                                  52.5
## 3030
          (45201, 48021.6]
                                  44.4
                                                 42.2
                                                                  44.8
## 3031 (51046.4, 54545.6]
                                  42.2
                                                 41.1
                                                                  44.1
## 3032 (40362.7, 42724.4]
                                  42.3
                                                 40.1
                                                                  45.5
## 3033 (54545.6, 61494.5]
                                                 42.9
                                  44.1
                                                                  44.6
## 3034
          (45201, 48021.6]
                                  45.7
                                                 43.8
                                                                  49.2
## 3035
          (42724.4, 45201]
                                  38.2
                                                 36.5
                                                                  40.0
## 3036 (40362.7, 42724.4]
                                                                  52.8
                                  52.3
                                                 51.9
## 3037
          (45201, 48021.6]
                                  41.7
                                                 41.2
                                                                  42.3
## 3038
          (45201, 48021.6]
                                  38.8
                                                 37.3
                                                                  40.5
## 3039 (48021.6, 51046.4]
                                  28.8
                                                 28.0
                                                                  29.7
## 3040 (48021.6, 51046.4]
                                  45.2
                                                 45.2
                                                                  45.3
## 3041 (34218.1, 37413.8]
                                  50.4
                                                 49.1
                                                                  52.2
## 3042 (48021.6, 51046.4]
                                  32.2
                                                 31.0
                                                                  33.8
## 3043
          (45201, 48021.6]
                                  44.2
                                                 41.1
                                                                  48.8
                                                 29.3
## 3044 (48021.6, 51046.4]
                                  30.4
                                                                  31.4
## 3045 (51046.4, 54545.6]
                                  30.9
                                                 30.5
                                                                  31.2
## 3046 (48021.6, 51046.4]
                                  39.0
                                                 36.9
                                                                  40.5
  3047 (40362.7, 42724.4]
                                                 25.5
                                                                  27.0
                                  26.2
                                    Geography AvgHouseholdSize PercentMarried
##
## 112
                    Churchill County, Nevada
                                                         2.5100
                                                                           51.6
## 113
                        Clark County, Nevada
                                                         2.7800
                                                                           44.6
                      Douglas County, Nevada
## 114
                                                         2.3700
                                                                           58.9
## 115
                         Elko County, Nevada
                                                         2.8700
                                                                           56.6
## 116
                    Esmeralda County, Nevada
                                                                           44.3
                                                         2.3500
## 117
                       Eureka County, Nevada
                                                         2.1700
                                                                           64.7
## 118
                     Humboldt County, Nevada
                                                                           51.6
                                                         2.7400
## 119
                       Lander County, Nevada
                                                         2.7900
                                                                           54.3
## 120
                      Lincoln County, Nevada
                                                         2.5500
                                                                           56.8
## 121
                         Lyon County, Nevada
                                                         2.6300
                                                                           51.1
## 122
                      Mineral County, Nevada
                                                                           41.8
                                                         0.0225
## 123
                          Nye County, Nevada
                                                                           54.4
                                                         0.0242
                     Pershing County, Nevada
## 124
                                                         2.2900
                                                                           44.8
                       Storey County, Nevada
## 125
                                                         2.2000
                                                                           53.5
## 126
                       Washoe County, Nevada
                                                                           47.0
                                                         2.5800
## 127
                                                                           44.8
                   White Pine County, Nevada
                                                         2.7100
## 128
                         Carson City, Nevada
                                                                           45.1
                                                         2.4300
## 149
                   Mercer County, New Jersey
                                                         2.6900
                                                                           47.2
## 368
                    Aitkin County, Minnesota
                                                         2.0500
                                                                           61.2
## 369
                     Anoka County, Minnesota
                                                         2.7000
                                                                           54.4
## 370
                    Becker County, Minnesota
                                                         2.4100
                                                                           57.6
## 371
                  Beltrami County, Minnesota
                                                                           44.2
                                                         2.5900
## 372
                    Benton County, Minnesota
                                                         2.4500
                                                                           50.6
## 568
                    Pulaski County, Arkansas
                                                         2.4900
                                                                           43.5
## 1014
                   Placer County, California
                                                         2.6700
                                                                           55.6
```

##	1026	Santa Barbara Cour	nty, Cal:	ifornia	2.9200	44.9
##	1295		County,		2.2500	69.1
##	1296		County,		2.1200	60.8
##	1297		County,		2.8600	62.5
##	1298		County,		2.7800	64.8
##	1299	=	County,		2.4600	66.6
##	1300	Greenwood	-		2.2300	55.3
##	1301	Hamilton	=		2.5900	61.8
##	1302	Harper	County,	Kansas	2.3400	56.6
##	1303	Harvey	County,	Kansas	2.4700	58.4
##	1304	Haskell	County,	Kansas	2.9300	58.6
##	1305	Hodgeman	County,	Kansas	2.3600	65.5
##	1306	Jackson	County,	Kansas	2.5100	61.4
##	1307	Jefferson	County,	Kansas	2.4700	61.7
##	1308	Jewell	County,	Kansas	2.1000	63.5
##	1309	Johnson	County,	Kansas	2.5600	56.8
##	1310	Kearny	County,	${\tt Kansas}$	2.8100	63.0
##	1311	Kingman	County,	${\tt Kansas}$	2.5400	56.6
##	1312	Kiowa	County,	Kansas	2.2100	60.0
##	1313	Lane	County,	Kansas	2.0700	55.9
##	1314	Leavenworth	County,	Kansas	2.7000	53.1
##	1315		County,		2.3100	56.3
##	1316	Linn	County,	Kansas	2.2600	61.7
	1317		County,		2.2100	59.7
	1318		County,		2.4300	46.0
	1319	McPherson			2.3700	58.9
	1320		County,		2.4000	57.9
	1321	Marshall			2.2700	61.4
	1322		County,		2.5100	61.7
	1323		County,		2.5500	59.3
	1324	Mitchell	-		2.2500	59.8
	1325	Montgomery	-		2.4700	50.3
	1326		County,		2.3600	62.0
	1327		County,		2.5300	54.2
	1328		County,		2.3200	61.9
	1329		County,		2.4700	53.1 62.5
	1330 1331		County,		2.1800 2.2400	49.6
	1332		County,		2.4400	57.4
	1333		County,		2.0800	59.6
	1334		County,		2.3900	63.8
	1335		County,		2.3200	46.2
	1336	Phillips	•		2.2900	60.5
	1337	Pottawatomie	-		2.7200	62.3
	1338		County,		2.3900	55.5
	1339		County,		2.0700	61.7
	1340		County,		2.4400	53.3
	1341	Republic	-		2.0700	57.4
	1342	_	County,		2.4200	56.4
	1343		County,		2.4900	39.1
	1344	=	County,		2.2800	57.4
##	1345		County,		2.1000	56.8
##	1346		County,		2.1200	58.0
##	1347	Saline	County,	Kansas	2.4200	48.9

		<b>a a **</b>		2= 2
	1348	Scott County, Kansas	0.0221	65.3
	1349	Sedgwick County, Kansas	2.5900	49.8
	1350	Seward County, Kansas	3.0500	47.7
	1351	Shawnee County, Kansas	2.4400	49.5
	1352	Sheridan County, Kansas	2.2100	64.1
	1353	Sherman County, Kansas	2.1400	54.2
	1354	Smith County, Kansas	2.2100	60.7
	1355	Stafford County, Kansas	2.3500	63.1
	1356	Stanton County, Kansas	2.5800	63.5
	1357	Stevens County, Kansas	2.8400	68.0
	1358	Sumner County, Kansas	2.5500	56.3
	1359	Thomas County, Kansas	2.3900	55.6
	1360	Trego County, Kansas	2.2100	66.0
	1361	Wabaunsee County, Kansas	2.5900	61.2
	1362	Wallace County, Kansas	2.5200	60.1
	1363	Washington County, Kansas	2.2700	62.5
	1364	Wichita County, Kansas	2.7900	60.6
	1365	Wilson County, Kansas	2.3700	53.2
	1366	Woodson County, Kansas	2.0800	53.6
##	1367	Wyandotte County, Kansas	2.7100	41.7
	1486	Seminole County, Florida	2.8500	46.6
##	1564	Clackamas County, Oregon	2.5900	54.9
	1744	Northampton County, Pennsylvania	2.5600	51.4
##	1840	Fort Bend County, Texas	3.1700	58.7
##	1924	Montgomery County, Texas	2.8800	56.3
##	2454	Big Stone County, Minnesota	2.1800	63.2
##	2455	Blue Earth County, Minnesota	2.4600	43.6
##	2456	Brown County, Minnesota	2.2700	55.4
##	2457	Carlton County, Minnesota	2.5100	50.6
##	2458	Carver County, Minnesota	2.7600	62.3
##	2459	Cass County, Minnesota	2.1900	61.1
##	2460	Chippewa County, Minnesota	2.3600	56.4
##	2461	Chisago County, Minnesota	2.6300	57.2
##	2462	Clay County, Minnesota	2.5100	49.6
##	2463	Clearwater County, Minnesota	2.4800	57.1
##	2464	Cook County, Minnesota	1.9300	63.3
	2465	Cottonwood County, Minnesota	2.3800	57.7
##	2466	Crow Wing County, Minnesota	2.3600	56.3
##	2467	Dakota County, Minnesota	2.5900	55.2
##	2468	Dodge County, Minnesota	2.6700	59.6
##	2469	Douglas County, Minnesota	2.3200	59.8
##	2470	Faribault County, Minnesota	2.1800	57.4
##	2471	Fillmore County, Minnesota	2.4000	59.1
##	2472	Freeborn County, Minnesota	2.3300	52.7
##	2473	Goodhue County, Minnesota	2.4200	55.8
##	2474	Grant County, Minnesota	2.3200	60.1
##	2475	Hennepin County, Minnesota	2.3900	47.2
##	2476	Houston County, Minnesota	2.3500	58.1
##	2477	Hubbard County, Minnesota	2.3200	62.6
##	2478	Isanti County, Minnesota	2.6800	53.6
##	2479	Itasca County, Minnesota	2.3300	58.5
##	2480	Jackson County, Minnesota	2.3200	59.4
##	2481	Kanabec County, Minnesota	2.5500	54.9
##	2482	Kandiyohi County, Minnesota	2.4800	57.7

```
## 2483
                  Kittson County, Minnesota
                                                         2.2800
                                                                           54.7
## 2484
              Koochiching County, Minnesota
                                                                           55.0
                                                         2.1800
            Lac qui Parle County, Minnesota
## 2485
                                                         2.2400
                                                                           61.2
## 2486
                                                                           62.3
                      Lake County, Minnesota
                                                         2.0600
## 2487 Lake of the Woods County, Minnesota
                                                         2.4000
                                                                           52.3
## 2488
                 Le Sueur County, Minnesota
                                                                           58.4
                                                         2.5200
## 2489
                  Lincoln County, Minnesota
                                                                           59.1
                                                         2.2500
## 2490
                      Lyon County, Minnesota
                                                                           51.3
                                                         2.4600
## 2491
                    McLeod County, Minnesota
                                                         2.4000
                                                                           56.0
## 2492
                  Mahnomen County, Minnesota
                                                         2.7100
                                                                           46.3
## 2493
                  Marshall County, Minnesota
                                                         2.3200
                                                                           59.4
## 2494
                    Martin County, Minnesota
                                                                           54.9
                                                         2.2600
## 2495
                    Meeker County, Minnesota
                                                         2,4800
                                                                           60.4
## 2496
               Mille Lacs County, Minnesota
                                                         2.5200
                                                                           51.9
## 2497
                  Morrison County, Minnesota
                                                                           57.5
                                                         2.4300
## 2498
                     Mower County, Minnesota
                                                         2.5100
                                                                           53.1
## 2499
                    Murray County, Minnesota
                                                         2.2400
                                                                           61.4
## 2500
                  Nicollet County, Minnesota
                                                         2.3900
                                                                           50.8
## 2501
                    Nobles County, Minnesota
                                                                           54.1
                                                         2.7100
## 2502
                    Norman County, Minnesota
                                                         2.4000
                                                                           56.2
## 2503
                   Olmsted County, Minnesota
                                                         2.5200
                                                                           55.2
## 2504
                Otter Tail County, Minnesota
                                                                           60.2
                                                         2.3400
## 2505
                                                                           49.7
               Pennington County, Minnesota
                                                         2.3400
## 2506
                      Pine County, Minnesota
                                                                           51.0
                                                         2.4200
## 2507
                                                                           59.2
                 Pipestone County, Minnesota
                                                         0.0230
## 2508
                      Polk County, Minnesota
                                                         2.3700
                                                                           52.8
                      Pope County, Minnesota
## 2509
                                                         2.2300
                                                                           63.0
## 2510
                    Ramsey County, Minnesota
                                                         2.4700
                                                                           44.0
## 2511
                  Red Lake County, Minnesota
                                                                           57.5
                                                         2.4300
## 2512
                  Redwood County, Minnesota
                                                         2.4300
                                                                           54.0
## 2513
                  Renville County, Minnesota
                                                         2.3400
                                                                           57.1
## 2514
                      Rice County, Minnesota
                                                         2.5000
                                                                           49.2
## 2515
                      Rock County, Minnesota
                                                         2.3700
                                                                           61.0
## 2516
                    Roseau County, Minnesota
                                                                           59.7
                                                         2.4400
## 2517
                 St. Louis County, Minnesota
                                                         2.2600
                                                                           47.7
## 2518
                     Scott County, Minnesota
                                                                           60.3
                                                         2.9000
## 2519
                 Sherburne County, Minnesota
                                                         2.8900
                                                                           57.2
## 2520
                    Sibley County, Minnesota
                                                         2.4600
                                                                           58.3
## 2521
                  Stearns County, Minnesota
                                                                           50.0
                                                         2.5200
## 2522
                    Steele County, Minnesota
                                                                           55.0
                                                         2.5200
                                                                           51.3
## 2523
                  Stevens County, Minnesota
                                                         2.5500
## 2524
                     Swift County, Minnesota
                                                         2.2100
                                                                           57.5
## 2525
                      Todd County, Minnesota
                                                         2.4500
                                                                           58.7
## 2526
                  Traverse County, Minnesota
                                                                           62.9
                                                         2.1900
## 2527
                   Wabasha County, Minnesota
                                                         2.3600
                                                                           61.8
## 2528
                    Wadena County, Minnesota
                                                                           52.2
                                                         2.3500
## 2529
                    Waseca County, Minnesota
                                                         2.4300
                                                                           56.8
## 2530
               Washington County, Minnesota
                                                         2.6700
                                                                           57.2
## 2531
                  Watonwan County, Minnesota
                                                         2.4500
                                                                           55.4
## 2532
                    Wilkin County, Minnesota
                                                         2.2900
                                                                           56.0
## 2533
                    Winona County, Minnesota
                                                                           45.1
                                                         2.4600
## 2534
                    Wright County, Minnesota
                                                         2.8200
                                                                           60.5
## 2535
          Yellow Medicine County, Minnesota
                                                         2.3300
                                                                           58.8
## 3019
                        Allen County, Kansas
                                                         2.3900
                                                                           50.4
```

##	3020	Andongon	Country	Vongog	2.3700	59.5
	3020	Anderson	•		2.5300	45.6
	3021	Atchison	County,		2.3800	61.0
	3023		•		2.3800	54.3
	3023		County,		2.5400	53.2
			County,			
	3025		County,		2.3800	56.5
	3026		County,		2.6300	56.2
	3027		County,		2.3400	54.4
	3028	Chautauqua			2.2100	59.8 61.8
	3029	Cheyenne	=		2.0900	
	3030		County,		2.2500	57.7
	3031	•	County,		2.4500	62.3
	3032		County,		2.2400	49.1
	3033	•	County,		2.3300	58.5
	3034	Comanche	•		2.4800	60.2
	3035	•	County,		2.4800	51.9
	3036		County,		1.9100	54.4
	3037	Dickinson			2.4500	58.6
	3038	Doniphan			2.3200	55.3
	3039		County,		2.4300	39.5
	3040		County,		2.2700	60.9
	3041		County,		2.1000	60.3
	3042		County,		2.3500	45.1
	3043	Ellsworth	•		2.0800	51.0
	3044		County,		2.9000	52.6
	3045		County,		3.0400	54.8
##	3046	Franklin	County.	Kangag	2.5600	58.8
			-		2.5000	
##	3047	Geary	County,	Kansas	2.8300	59.5
##		Geary PctNoHS18_24 PctHS18_	County, 24 PctS	Kansas	2.8300 PctBachDeg18_24	59.5 PctHS25_Over
## ##	112	Geary PctNoHS18_24 PctHS18_ 19.8 39	County, 24 PctSo	Kansas omeCol18_24 NA	2.8300 PctBachDeg18_24 1.4	59.5 PctHS25_Over 35.0
## ## ##	112 113	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 38	County, _24 PctSo 9.3 5.5	Kansas omeCol18_24	2.8300 PctBachDeg18_24 1.4 4.9	59.5 PctHS25_Over 35.0 28.8
## ## ## ##	112 113 114	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38	County, 24 PctSe 9.3 5.5 3.6	Kansas omeCol18_24 NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0	59.5 PctHS25_Over 35.0 28.8 24.7
## ## ## ##	112 113 114 115	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38	County, _24 PctSo 9.3 5.5	Kansas omeCol18_24 NA NA NA 42.3	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1	59.5 PctHS25_Over 35.0 28.8 24.7 26.8
## ## ## ##	112 113 114	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33	County, 24 PctSe 9.3 5.5 3.6	Kansas omeCol18_24 NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1	59.5 PctHS25_Over 35.0 28.8 24.7
## ## ## ## ## ##	112 113 114 115 116 117	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19	County, 24 PctSe 9.3 5.5 3.6 3.7 2.7	Kansas omeCol18_24 NA NA NA 42.3	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8
## ## ## ## ## ##	112 113 114 115 116 117 118	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 38 17.3 38 19.0 33 1.2 62 48.1 19 31.9 46	County, 24 PctSe 3.3 5.5 3.6 3.7 2.7 3.2 3.2	Kansas omeCol18_24 NA NA NA 42.3 36.1	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4
## ## ## ## ## ##	112 113 114 115 116 117 118 119	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 55	County, 24 PctSe 3.3 5.5 3.6 3.7 2.7 9.2 9.2	Kansas omeCol18_24 NA NA A42.3 36.1 32.7 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5
## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38	County, 24 PctSe 3.3 5.5 3.6 3.7 2.7 9.2 0.2 1.6 3.4	Kansas omeCol18_24 NA NA A2.3 36.1 32.7 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1
## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2
## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 38 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 55 30.1 38 30.2 36 6.1 42	County, 24 PctS69.35.53.663.72.79.20.21.663.45.72.3	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2
## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 38 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 55 30.1 38 30.2 36 6.1 42 32.3 45	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6
## ## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 38 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 52 30.1 38 30.2 36 6.1 42 32.3 42 38.0 28	County, 24 PctS69.35.53.663.72.79.20.21.663.45.72.3	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4
## ## ## ## ## ## ## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122 123 124 125	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6
## ## ## ## ## ## ## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28	County, 24 PctSe 3.3 5.5 3.6 3.7 2.7 3.2 3.2 3.4 3.7 2.3 3.4 3.7 3.4 3.7 3.9	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0
## ## ## ## ## ## ## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122 123 124 125	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5
######################################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 0.2 1.6 3.4 6.7 2.3 1.2 3.9 3.5 3.7 7.1	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6
## ## ## ## ## ## ## ## ## ## ## ## ##	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 55 30.1 38 30.2 36 6.1 42 32.3 45 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 28	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 3.2 3.4 3.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6
######################################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9
######################################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 33	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4 2.3	Kansas omeCol18_24	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0 9.6	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9 28.4
######################################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 33	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4	Kansas omeCol18_24	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9
#######################################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 32 18.5 38 12.8 24	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4 2.3 3.2 4.7	Kansas omeCol18_24	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0 9.6 6.5	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9 28.4 33.5 26.1
###########################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 32 18.5 38 12.8 24 12.6 23	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 9.2 9.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4 2.3 3.2 4.7 7.0	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA NA NA NA NA NA NA NA NA NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0 9.6 6.5 6.9 8.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9 28.4 33.5 26.1 32.1
############################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372 568	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 53 30.1 38 30.2 36 6.1 42 32.3 43 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 32 18.5 38 12.8 24 12.6 23	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 1.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4 2.3 3.2 4.7	Kansas omeCol18_24	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0 9.6 6.5 6.9	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9 28.4 33.5 26.1
############################	112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372	Geary PctNoHS18_24 PctHS18_ 19.8 39 20.2 39 17.3 38 19.0 33 1.2 62 48.1 19 31.9 40 24.3 55 30.1 38 30.2 36 6.1 42 32.3 45 38.0 28 16.9 43 15.9 28 23.9 47 17.4 33 12.1 29 19.4 42 15.9 32 18.5 38 12.8 24 12.6 25 13.0 33	County, 24 PctS6 3.3 5.5 3.6 3.7 2.7 9.2 9.2 9.6 3.4 5.7 2.3 1.2 3.9 3.5 3.7 7.1 3.7 5.0 2.4 2.3 3.2 4.7 7.0	Kansas omeCol18_24 NA NA 42.3 36.1 32.7 NA NA 30.7 NA 51.6 NA NA NA NA NA NA NA NA NA NA NA	2.8300 PctBachDeg18_24 1.4 4.9 5.0 5.1 0.0 0.0 4.7 3.3 0.8 0.2 0.0 3.3 0.0 13.7 7.8 4.3 5.1 12.0 8.0 9.6 6.5 6.9 8.0	59.5 PctHS25_Over 35.0 28.8 24.7 26.8 43.2 35.8 37.4 37.5 32.1 30.2 31.2 35.6 35.4 29.5 24.0 34.5 28.6 25.6 39.9 28.4 33.5 26.1 32.1

	1026	11.1	19.2	NA	9.5	17.7
##	1295	8.7	29.1	NA	6.3	37.7
##	1296	19.2	21.9	NA	17.9	32.7
	1297	37.8	33.0	NA	0.0	28.9
	1298	33.5	25.6	NA	4.5	25.6
##	1299	4.8	0.0	NA	40.3	30.3
##	1300	8.6	39.1	45.7	6.6	40.1
	1301	25.1	38.7	NA	8.4	34.8
	1302	17.1	44.7	NA	6.3	36.6
	1303	13.0	23.7	NA	11.5	29.6
	1304	38.0	36.7	NA	4.0	20.9
	1305	24.5	34.3	NA	2.0	25.9
	1306	23.4	30.5	NA	7.8	40.6
	1307	16.0	37.6	NA	4.7	40.7
	1308	6.3	24.6	44.0	25.1	39.4
	1309	11.5	25.0	NA	17.1	15.2
##	1310	30.0	16.6	NA	3.5	23.4
	1311	10.3	45.8	NA	2.3	34.8
	1312	8.5	15.0	NA	6.5	26.9
##	1313	25.2	31.1	NA	3.0	29.7
##	1314	13.3	30.5	NA	8.1	30.9
	1315	11.2	44.1	NA	1.8	32.3
##	1316	20.6	34.7	NA	0.9	37.2
##	1317	27.5	21.3	50.2	0.9	35.5
##	1318	9.3	23.6	NA	7.7	33.4
##	1319	15.9	21.6	NA	11.3	29.1
##	1320	15.2	20.9	55.8	8.1	36.4
	1321	16.9	28.9	47.3	6.9	44.8
	1322	28.1	44.5	NA	1.2	31.1
##	1323	14.5	36.6	NA	5.3	32.5
##	1324	16.5	40.7	NA	4.2	34.0
##	1325	17.3	31.6	NA	3.9	32.1
	1326	20.8	36.6	NA	6.3	35.7
	1327	21.1	51.0	21.7	6.2	32.5
##	1328	13.6	42.0	NA	10.0	41.9
##	1329	9.4	20.7	NA	4.7	33.6
##	1330	31.1	27.4	NA	17.8	35.9
##	1331	25.1	18.9	41.3	14.7	34.6
##	1332	15.7	33.8	NA	8.8	40.5
	1333	18.0	22.0	NA	15.6	36.3
##	1334	17.1	36.5	NA	7.3	32.9
##	1335	26.0	23.2	49.6	1.2	28.0
##	1336	33.2	13.9	45.3	7.6	35.3
##	1337	9.2	35.0	NA	6.5	31.2
##	1338	11.9	37.3	NA	3.9	26.5
##	1339	29.1	28.5	NA	2.5	30.8
	1340	20.2	32.7	NA	2.4	28.6
##	1341	20.2	23.6	43.4	12.7	35.1
##	1342	20.5	22.2	NA	4.6	30.5
##	1343	2.5	20.3	NA	8.3	17.4
##	1344	12.6	42.1	NA	12.6	36.8
##	1345	22.0	20.6	43.0	14.5	33.0
##	1346	25.2	31.0	40.6	3.2	32.8
##	1347	14.5	29.4	NA	6.2	33.5

##	1348	21.0	18.3	48.3	12.3	33.4
##	1349	15.4	28.8	NA	8.5	26.8
##	1350	25.7	23.7	NA	2.7	24.8
##	1351	15.8	31.4	NA	7.5	31.1
##	1352	6.7	18.7	NA	8.2	33.8
##	1353	25.6	10.1	NA	10.5	33.3
##	1354	10.0	37.2	NA	4.8	35.3
##	1355	25.3	21.7	NA	10.7	28.7
##	1356	21.3	27.0	NA	3.5	27.4
##	1357	38.7	29.0	NA	14.8	35.6
##	1358	20.4	31.1	NA	5.0	35.9
##	1359	12.2	20.1	NA	3.8	28.9
##	1360	3.4	26.3	NA	14.8	33.2
##	1361	10.8	40.7	45.4	3.1	38.9
##	1362	25.6	22.2	38.9	13.3	32.9
##	1363	14.8	19.9	NA	20.4	38.0
##	1364	36.9	20.6	NA	16.3	29.6
##	1365	20.0	34.4	NA	9.0	36.8
	1366	7.8	46.1	41.1	5.0	38.8
	1367	24.7	33.7	NA	6.8	32.9
	1486	11.2	24.9	53.6	10.2	24.1
	1564	11.8	33.9	NA	9.3	23.5
	1744	9.3	28.7	NA	9.1	35.3
	1840	15.2	28.8	NA	8.8	17.5
	1924	20.3	32.8	NA	7.4	24.3
	2454	43.3	20.7	NA	6.1	42.4
	2455	3.1	15.9	NA	7.0	28.1
	2456	8.6	28.9	NA	5.3	37.6
	2457	13.8	34.3	NA	3.9	36.4
	2458	13.1	26.7	45.7	14.5	21.2
	2459	18.0	44.2	NA	3.6	35.4
	2460	22.7	29.7	NA	4.9	36.0
	2461	19.1	37.8	NA	5.6	34.6
	2462	5.2	24.4	NA	7.4	27.3
	2463	20.8	37.4	35.6	6.1	38.1
	2464	11.8	25.8	NA	11.5	25.1
	2465	29.4	36.8	27.0	6.8	36.2
	2466	12.8	29.2	NA 42.0	5.7	31.4
	2467	13.4	30.2	43.0	13.4	21.6
	2468 2469	13.3	38.6 25.3	NA NA	7.0	33.5
	2470	11.5 15.6	25.3 34.1	NA NA	9.1 6.0	29.9 39.9
	2470	21.7	31.1	NA NA	5.9	35.7
	2471	15.9	36.6	42.2	5.3	36.7
	2473	14.8	36.9	38.9	9.4	33.0
	2474	15.7	29.4	44.0	10.9	33.4
	2475	12.1	22.5	NA	19.9	17.8
	2476	11.8	30.3	NA NA	8.9	34.3
	2477	19.9	42.5	NA NA	6.1	31.8
	2478	13.1	42.5	NA NA	3.5	37.8
	2479	14.7	27.1	52.7	5.5	31.8
	2480	10.7	28.0	NA	7.9	34.8
	2481	14.6	40.1	NA	4.5	39.7
	2482	18.7	24.0	NA	8.4	27.9
	·		• •	2111	5.1	

	2483	16.4	33.9	41.6	8.1	35.0
	2484	18.8	34.7	NA	6.7	36.5
	2485	23.3	33.7	NA	4.5	38.3
	2486	13.3	41.9	NA	4.8	36.2
	2487	12.9	62.5	18.8	5.8	44.8
	2488	12.8	38.9	NA	8.7	35.5
	2489	17.9	31.6	NA	11.3	40.5
	2490	7.3	23.5	61.3	7.9	35.1
	2491	15.1	27.8	NA	9.3	38.0
	2492	27.5	41.0	26.8	4.7	37.1
	2493	20.4	35.1	40.0	4.6	37.4
	2494	19.6	29.7	NA	6.3	38.6
	2495	20.2	37.2	NA	4.5	38.3
	2496	18.4	33.4	38.6	9.6	38.3
	2497	16.2	35.1	44.3	4.4	38.6
	2498	27.4	23.4	NA	3.7	32.6
	2499	18.9	32.6	NA	9.6	36.5
	2500	3.8	14.8	NA	8.0	27.0
	2501	41.1	29.3	24.9	4.7	34.3
	2502	14.4	31.8	46.8	7.0	38.5
	2503	14.0	27.3	42.1	16.6	20.9
	2504	16.4	31.1	NA	9.5	30.5
	2505	13.4	27.5	52.8	6.3	36.0
	2506	14.8	40.7	NA	3.4	42.6
	2507	22.5	31.1	NA	2.9	36.0
	2508	14.9	26.5	NA	5.1	31.1
	2509	20.2	32.3	NA	6.9	34.1
	2510	12.7	25.0	NA	15.4	21.9
	2511	12.9	34.9	43.5	8.6	40.9
	2512	17.3	35.1	NA	10.0	37.9
	2513	16.1	40.8	34.0	9.1	37.5
	2514	8.8	18.6	69.0	3.7	31.8
	2515	14.4	36.7	NA	6.7	38.5
	2516	18.9	40.7	36.8	3.6	37.3
	2517	9.0	21.7	59.4	9.9	29.5
	2518	15.6	27.9	NA	14.9	23.4
	2519	16.4	34.3	NA	7.0	26.6
	2520	18.9	38.5	NA NA	4.9	40.8
	2521 2522	7.0	16.5	NA	7.6	30.2
	2522	15.5 5.3	32.9 22.9	NA NA	9.1 5.2	35.5
	2523	5.3 17.6	38.7	NA NA	6.8	27.2
	2524		27.7		4.9	38.6
	2526	24.4 10.3	13.3	43.1 59.1	4.9 17.2	37.1 34.8
	2527	13.8	40.1	39.2	6.8	39.1
	2528	22.3	27.7	46.1	3.9	39.3
	2529	12.6	48.0	34.7	4.8	35.2
	2530	13.6	28.9	NA	13.2	22.0
	2530	24.0	40.1	NA NA	4.8	40.0
	2531	16.1	28.6	48.2	7.0	30.5
	2532	4.4	24.2	NA	6.9	29.6
	2534	16.1	26.8	NA	9.2	28.9
	2535	15.8	37.9	NA	4.9	36.8
	3019	7.3	32.4	56.8	3.5	33.4
ii TT	5515	1.0	02.1	55.5	0.0	50.4

##	2000	10.7	20 5	FO 4	C 7	20 1
	3020	12.7	30.5	50.1	6.7	39.1
	3021	5.0	22.8	NA	8.7	41.0
	3022	26.2	24.4	NA	4.3	36.6
	3023	13.8	37.4	NA	4.4	33.9
	3024	12.6	28.0	NA	3.9	31.2
	3025	21.4	28.3	NA	13.5	39.8
	3026	15.8	29.0	NA	7.3	26.8
	3027	15.9	47.7	NA	6.8	33.5
	3028	19.1	42.7	36.5	1.7	36.1
	3029	21.4	18.5	NA	12.7	31.5
##	3030	19.6	33.1	NA	12.8	26.1
##	3031	7.7	26.5	50.5	15.2	33.7
##	3032	14.8	25.3	NA	2.7	34.2
##	3033	16.1	31.8	NA	5.9	36.8
##	3034	32.2	36.5	26.1	5.2	28.4
##	3035	12.8	32.3	46.0	8.9	30.5
##	3036	11.3	40.6	NA	18.1	37.6
##	3037	12.4	44.1	NA	4.7	36.0
##	3038	7.3	31.7	NA	4.1	38.7
##	3039	2.8	13.1	NA	13.9	20.0
##	3040	16.3	29.2	NA	14.4	30.7
##	3041	6.5	59.7	NA	4.8	35.3
	3042	2.9	17.7	NA	9.8	27.7
	3043	20.9	27.9	NA	8.4	32.2
	3044	26.7	33.9	35.6	3.8	23.1
	3045	19.7	44.5	33.3	2.5	23.0
	3046	10.9	37.2	NA	4.1	36.1
	3047	8.0	43.3	43.9	4.8	29.8
##				oyed16_Over PctUnempl		
##	112	_	•	=	-	
	112 113	10.9	•	48.4	11.9	
##	113	10.9 15.1	•	48.4 57.7	11.9 10.8	
## ##	113 114	10.9 15.1 16.4	•	48.4 57.7 51.5	11.9 10.8 8.5	
## ## ##	113 114 115	10.9 15.1 16.4 12.3	•	48.4 57.7 51.5 67.0	11.9 10.8 8.5 5.5	
## ## ## ##	113 114 115 116	10.9 15.1 16.4 12.3 12.6	•	48.4 57.7 51.5 67.0 46.0	11.9 10.8 8.5 5.5 11.9	
## ## ## ##	113 114 115 116 117	10.9 15.1 16.4 12.3 12.6 14.2	•	48.4 57.7 51.5 67.0 46.0 64.0	11.9 10.8 8.5 5.5 11.9 4.7	
## ## ## ## ##	113 114 115 116 117 118	10.9 15.1 16.4 12.3 12.6 14.2 8.8	·	48.4 57.7 51.5 67.0 46.0 64.0 64.5	11.9 10.8 8.5 5.5 11.9 4.7 7.8	
## ## ## ## ## ##	113 114 115 116 117 118 119	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7	•	48.4 57.7 51.5 67.0 46.0 64.0 64.5	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0	
## ## ## ## ## ##	113 114 115 116 117 118 119 120	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7	•	48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0	
## ## ## ## ## ##	113 114 115 116 117 118 119 120 121	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9	•	48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6	
## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4	
## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122 123	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4	
## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122 123 124	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5	
## ## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122 123 124 125	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3	
## ## ## ## ## ## ## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122 123 124 125 126	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1	
## ## ## ## ## ## ## ## ## ## ## ## ##	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7 10.8 20.0 15.6		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4 61.5	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2 3.5	
######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7 10.8 20.0 15.6 17.4		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4 61.5 58.5	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2 3.5 10.6	
#######################################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7 10.8 20.0 15.6 17.4 15.2		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4 61.5 58.5 66.0	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2 3.5 10.6 6.7	
###########################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372 568	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7 10.8 20.0 15.6 17.4 15.2 20.7		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4 61.5 58.5 66.0 NA	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2 3.5 10.6 6.7 7.5	
###########################	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372	10.9 15.1 16.4 12.3 12.6 14.2 8.8 4.7 15.9 11.1 6.8 9.2 7.5 14.1 18.2 8.8 12.8 20.7 10.8 20.0 15.6 17.4 15.2		48.4 57.7 51.5 67.0 46.0 64.0 64.5 59.8 41.0 48.6 48.1 39.7 36.9 50.4 59.6 43.8 52.9 59.5 47.8 68.4 61.5 58.5 66.0	11.9 10.8 8.5 5.5 11.9 4.7 7.8 12.0 11.8 13.6 15.4 13.4 9.5 10.3 9.1 10.6 11.3 9.4 7.3 6.2 3.5 10.6 6.7	

##	1026	19.2	58.4	8.0
##	1295	17.4	62.6	1.9
##	1296	20.0	59.6	2.4
##	1297	14.0	64.7	7.3
##	1298	14.3	70.8	2.9
##	1299	20.4	60.5	2.1
##	1300	11.3	56.2	3.5
##	1301	11.1	67.4	2.3
##	1302	13.0	59.7	3.7
##	1303	17.3	60.8	4.4
##	1304	11.2	68.2	3.9
##	1305	18.4	65.0	2.5
##	1306	12.5	62.8	4.4
##	1307	12.7	62.0	6.9
##	1308	11.3	58.3	2.5
##	1309	33.6	69.2	4.5
##	1310	10.5	66.3	1.8
##	1311	14.8	56.5	5.7
##	1312	17.9	NA	4.0
##	1313	15.5	67.9	2.4
##	1314	16.4	54.7	5.9
	1315	15.6	59.5	6.5
	1316	10.5	52.1	8.3
	1317	11.7	63.0	3.9
	1318	16.6	62.7	7.2
	1319	19.3	66.0	3.1
	1320	14.7	58.4	5.0
	1321	11.8	62.1	3.0
##		16.4	NA	2.8
##		16.5	63.4	5.6
##	1324	18.0	60.5	2.6
##	1325	11.2	53.8	8.7
##	1326	10.0	59.9	3.2
##	1327	10.6	57.1	5.8
##	1328	16.8	67.1	1.7
##	1329	12.1	60.9	4.7
##	1330	15.5	60.9	2.7
	1331	15.2	57.0	1.7
	1332	12.8	57.3	8.2
	1333	15.1	61.1	4.0
##	1334	15.2	63.2	5.3
	1335	12.7	51.6	1.9
	1336	15.5	63.1	4.3
	1337	21.2	64.8	3.7
	1338	18.0	59.9	5.6
	1339	18.6	58.2	2.3
	1340	13.8	58.2	5.7
	1341	13.4	61.8	3.8
	1342	14.0	61.9	5.5
	1343	24.1	54.5	5.8
	1344	14.1	63.2	4.1
	1345	12.8	59.7	5.6
	1346	13.1	60.7	6.9
	1347	15.2	65.0	5.0
			-	

##	1348	15.7	67.5	5.8
##	1349	19.7	61.9	6.9
##	1350	8.5	66.2	9.0
##	1351	18.7	60.2	6.8
##	1352	15.9	65.1	1.2
##	1353	9.8	64.3	4.0
##	1354	13.0	59.4	3.2
##	1355	17.0	62.1	2.6
##	1356	16.4	71.0	2.4
##	1357	12.7	64.4	3.0
##	1358	14.1	58.2	7.0
##	1359	18.6	68.9	2.7
	1360	18.5	69.6	1.0
	1361	16.1	60.9	6.2
	1362	19.6	NA	5.4
	1363	13.2	64.5	3.1
	1364	12.5	67.4	3.1
	1365	9.9	56.2	6.5
	1366	12.7	59.7	4.6
	1367	10.7	58.7	11.2
	1486	23.6	59.4	9.4
	1564	21.5	59.2	8.3
	1744	17.2	59.2	7.3
	1840	28.0	63.7	5.1
	1924	21.7	NA	6.1
	2454	13.4	57.6	3.3
	2455	21.6	68.0	4.9
	2456	15.3	66.2	3.2
	2457	16.8	58.7	5.4
	2458	32.0	73.2	3.8
	2459	14.2	52.6	7.4
	2460	11.8	65.6	2.6
	2461	15.6	64.7	5.5
		22.8		
	2462 2463		68.8	4.3
	2464	11.1	53.2	7.4
		22.3	62.0	4.0
	2465	13.9	59.2	4.9
	2466	15.6	57.9	5.7
	2467	27.8 18.1	NA 71.4	5.0
	2468			3.5
	2469	17.8	63.8	4.5
	2470	12.8	61.5	4.2
	2471	13.8	64.5	4.3
	2472	11.5	61.5	4.9
	2473	16.8	63.9	5.3
	2474	14.6	61.1	3.6
	2475	30.3	67.9	6.0
	2476	14.9	64.4	4.9
	2477	16.7	56.6	5.0
	2478	12.8	NA	7.3
	2479	15.1	54.2	7.1
	2480	14.2	66.0	3.2
	2481	8.0	56.3	9.8
##	2482	15.1	64.9	4.8

##	2483	16.8	60.3	2.8
##	2484	13.5	54.4	7.8
##	2485	13.6	60.8	3.7
##	2486	15.5	54.0	4.8
##	2487	12.4	59.9	4.8
##	2488	15.4	66.9	5.3
##	2489	15.8	63.9	2.8
##	2490	18.6	69.0	5.3
##	2491	12.9	66.7	4.5
##	2492	9.8	56.2	9.2
##	2493	14.5	62.8	4.7
##	2494	15.1	62.5	3.5
##	2495	13.6	63.6	4.7
##	2496	10.0	58.4	7.7
##	2497	11.6	63.6	5.8
##	2498	13.8	62.5	6.5
##	2499	13.0	61.1	4.5
##	2500	22.3	70.4	4.0
##	2501	10.1	63.0	6.9
##	2502	12.4	57.9	5.1
##	2503	23.8	69.3	4.1
##	2504	17.2	59.3	4.4
##	2505	11.8	68.5	3.0
##	2506	9.1	53.0	7.4
##	2507	14.0	62.8	4.2
##	2508	16.3	63.9	4.6
##	2509	16.1	60.7	4.1
##	2510	24.4	63.9	7.1
##	2511	11.8	65.8	3.5
##	2512	13.0	61.8	4.0
##	2513	12.2	62.1	5.0
##	2514	17.6	NA	5.6
##	2515	15.0	63.5	3.7
##	2516	14.2	69.1	2.7
##	2517	18.2	NA	6.9
##	2518	28.1	73.2	4.6
##	2519	19.2	69.6	5.2
##	2520	12.8	66.8	5.5
##	2521	17.7	68.8	5.0
##	2522	18.7	65.2	4.9
##	2523	20.1	63.6	3.1
##	2524	12.6	63.2	3.9
##	2525	11.0	59.6	5.1
##	2526	13.3	57.4	2.9
##	2527	14.6	NA	3.6
##	2528	8.8	54.2	5.2
##	2529	15.4	63.4	4.6
##	2530	27.3	NA	4.8
##	2531	12.5	66.1	2.9
##	2532	13.5	64.6	2.0
	2533	18.5	66.0	6.2
	2534	20.4	71.2	5.2
	2535	12.1	63.6	3.4
##	3019	12.2	56.7	7.0

##	3020	10.5	59.0	5.9
##	3021	12.7	57.3	7.3
##	3022	11.7	62.1	3.1
##	3023	12.4	61.4	6.8
##	3024	13.9	57.0	3.3
##	3025	12.1	60.3	4.5
##	3026	18.6	61.6	5.6
##	3027	16.5	54.1	2.9
##	3028	13.2	52.7	5.1
##	3029	16.9	59.7	1.9
##	3030	23.5	61.8	1.4
##	3031	16.0	63.2	1.9
##	3032	10.6	58.9	6.8
##	3033	15.6	62.1	5.1
##	3034	17.2	63.2	5.4
##	3035	12.7	55.4	7.0
	3036	18.5	57.1	3.8
	3037	13.6	58.1	6.7
	3038	11.3	59.5	5.8
	3039	26.3	NA	6.0
	3040	15.0	61.3	2.0
	3041	11.8	50.7	5.3
	3042	21.9	68.6	4.5
	3043	15.2	51.7	4.3
	3044	12.4	70.1	4.6
	3045	12.8	64.8	6.4
##	3046	14.4	NA	6.9
##	2017	12 7	10 0	0.2
	3047	13.7	48.8	9.2
##	PctPrivateCov	verage PctEmpPrivCo	verage PctPublicCove	rage PctWhite
## ##	PctPrivateCov	verage PctEmpPrivCo	verage PctPublicCove 34.9	rage PctWhite 37.0 81.84067
## ## ##	PctPrivateCov 112 113	verage PctEmpPrivCo 63.0 62.9	verage PctPublicCove 34.9 45.4	rage PctWhite 37.0 81.84067 27.3 63.75048
## ## ## ##	PctPrivateCov 112 113 114	verage PctEmpPrivCo 63.0 62.9 70.7	verage PctPublicCove 34.9 45.4 39.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127
## ## ## ##	PctPrivateCov 112 113 114 115	verage PctEmpPrivCo 63.0 62.9 70.7 73.0	verage PctPublicCover 34.9 45.4 39.6 60.9	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661
## ## ## ## ##	PctPrivateCov 112 113 114 115 116	verage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5	verage PctPublicCove 34.9 45.4 39.6 60.9 34.9	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949
## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117	verage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4	verage PctPublicCove: 34.9 45.4 39.6 60.9 34.9 52.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587
## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949
## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1	verage PctPublicCove: 34.9 45.4 39.6 60.9 34.9 52.6 53.9	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601
## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1	verage PctPublicCove: 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305
## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601
## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119 120 121	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669
## ## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119 120 121	Verage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857
## ## ## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123	Verage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334
## ## ## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823
## ## ## ## ## ## ## ## ## ## ## ## ##	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823
######################################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764
# # # # # # # # # # # # # # # # # # #	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149	rerage PctEmpPrivCo 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 58.1 53.1 59.9 68.5 65.4 67.6	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507
######################################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545
#######################################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3 79.3	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5 60.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545 25.7 85.66465
# # # # # # # # # # # # # # # # # # #	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3 79.3 66.7	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5 60.6 41.0	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545 25.7 85.66465 38.4 87.75726
############################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3 79.3 66.7 58.6	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5 60.6 41.0 39.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545 25.7 85.66465 38.4 87.75726 40.5 74.08989
##########################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371 372	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 53.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3 79.3 66.7 58.6 71.5	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5 60.6 41.0 39.6 51.3	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545 25.7 85.66465 38.4 87.75726 40.5 74.08989 32.2 94.31427
##############################	PctPrivateCov 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 149 368 369 370 371	rerage PctEmpPrivCor 63.0 62.9 70.7 73.0 56.5 76.4 69.4 69.1 64.1 61.1 58.1 53.1 59.9 68.5 65.4 67.6 61.3 73.1 66.3 79.3 66.7 58.6	verage PctPublicCover 34.9 45.4 39.6 60.9 34.9 52.6 53.9 53.7 48.5 38.6 36.4 30.2 38.1 40.6 45.7 48.4 41.5 55.9 32.5 60.6 41.0 39.6 51.3 43.6	rage PctWhite 37.0 81.84067 27.3 63.75048 35.8 89.15127 18.5 88.13661 37.1 87.37949 18.6 95.80587 20.6 87.06275 24.4 88.44601 31.5 90.64305 37.5 85.73669 43.2 66.68857 48.2 85.66334 34.7 86.35823 34.1 94.24790 28.1 80.45764 31.9 86.56507 35.6 82.83653 27.4 62.92611 51.5 95.07545 25.7 85.66465 38.4 87.75726 40.5 74.08989

##	1026	63.2	39.7	31.9 74.28381
##	1295	74.7	35.1	32.3 96.89214
##	1296	77.0	37.2	38.8 91.90127
##	1297	62.3	40.6	25.6 75.42221
	1298	76.1	48.4	22.1 98.35120
	1299	81.9	42.7	28.8 87.17320
	1300	69.4	40.5	38.0 95.36994
##	1301	58.9	35.7	31.1 87.97370
##	1302	71.7	44.5	32.8 96.21225
##	1303	75.1	51.2	29.9 92.91517
##	1304	62.4	41.4	27.5 85.76271
##	1305	79.2	47.0	28.2 96.02888
	1306	77.7	52.6	31.0 87.61940
	1307	77.6	54.2	29.1 95.68737
	1308	74.8	31.9	41.5 97.13627
	1309	84.0	63.0	18.9 86.91211
	1310	77.5	54.8	21.4 83.65385
	1311	71.5	43.3	32.0 97.18870
##	1312	73.1	43.7	34.5 95.46530
##	1313	78.2	48.6	29.2 98.32736
##	1314	80.2	42.7	26.7 83.88536
##	1315	70.8	40.8	33.0 97.52695
##	1316	75.0	44.8	32.3 96.30563
	1317	79.1	44.8	33.5 95.41711
	1318	67.3	46.4	29.5 88.18660
	1319	80.7	56.0	27.8 94.78326
	1320	74.9	49.1	33.4 95.76892
	1321	77.7	48.1	32.6 97.08146
	1322	76.1	49.8	27.2 88.31850
	1323	81.1	56.0	24.5 95.58248
	1324	79.5	47.3	27.6 97.87166
	1325	64.2	42.8	36.8 85.46396
##	1326	75.9	42.4	34.6 96.29565
##	1327	70.9	49.6	30.1 85.83387
##	1328	80.4	50.2	28.0 97.19461
##	1329	67.8	46.2	35.0 94.60513
##	1330	77.2	42.6	35.5 96.88008
##	1331	72.8	45.9	32.9 92.20036
##	1332	71.9	44.9	35.2 96.31841
##	1333	74.6	38.9	34.8 97.67319
	1334	77.8	50.8	27.9 96.80886
	1335	72.8	42.1	32.8 90.65258
	1336	75.8	44.5	33.4 96.85512
	1337	80.4	52.1	23.8 94.08619
	1338	71.8	47.0	32.1 95.03029
	1339	77.6	40.8	35.1 97.40668
	1340	69.7	46.3	32.5 91.39686
	1341	74.7	42.0	36.9 97.66958
	1342	70.1	47.4	30.5 90.37348
##	1343	85.4	50.6	16.4 83.26091
##	1344	71.5	40.8	35.5 96.81836
##	1345	75.2	45.4	33.5 98.14698
##	1346	70.5	34.1	39.3 95.43503
##	1347	70.9	47.3	29.1 87.64152

##	1348	84.1	50.8	24.7 95.23133
##	1349	69.2	50.3	28.0 79.56247
##	1350	61.5	49.0	26.0 59.37957
##	1351	71.7	48.5	31.9 82.79565
##	1352	73.4	31.6	37.6 97.90597
##	1353	65.3	39.5	36.7 92.76511
##	1354	76.0	31.2	39.1 97.48663
##	1355	64.7	38.9	36.8 95.57870
##	1356	76.6	52.0	23.8 75.10470
##	1357	69.7	45.1	25.2 84.85793
##	1358	72.7	50.5	30.8 94.37770
##	1359	81.0	48.3	24.7 94.47319
##	1360	83.3	47.2	26.8 95.62860
##	1361	80.9	55.2	25.7 96.39846
##	1362	75.3	40.2	26.8 99.49843
##	1363	74.4	44.7	33.9 97.22125
##	1364	71.7	32.8	33.2 94.32849
##	1365	60.1	37.3	40.0 94.62532
##	1366	63.1	35.8	38.5 94.67456
##	1367	51.4	36.8	35.3 61.71101
##	1486	67.8	47.7	26.3 79.60951
##	1564	75.3	51.8	28.3 89.27146
##	1744	77.1	54.2	30.1 86.47569
##	1840	74.0	60.0	17.3 52.50672
##	1924	68.4	51.8	23.3 86.40591
##	2454	76.1	35.3	38.7 98.03272
##	2455	79.5	56.3	26.5 92.06910
##	2456	81.5	52.1	30.6 97.36915
##	2457	73.1	53.1	34.1 89.65381
##	2458	87.5	68.6	17.0 93.04707
##	2459	61.7	31.9	49.5 85.19233
##	2460	68.5	40.2	39.5 93.87856
##	2461	80.1	58.9	27.0 95.46012
##	2462	78.8	57.8	26.5 92.60500
##	2463	57.6	34.5	45.2 86.76874
##	2464	73.9	42.9	38.6 86.98498
##	2465	70.6	36.5	43.5 90.85282
##	2466	70.1	42.4	41.1 96.52963
##	2467	82.2	63.7	22.7 84.13195
##	2468	81.8	60.1	24.7 97.25481
##	2469	77.9	46.3	35.2 97.72256
##	2470	72.1	42.1	39.6 97.65987
##	2471	74.8	46.5	33.2 98.26321
##	2472	70.3	43.6	39.0 95.12574
##	2473	77.2	51.6	31.3 95.17002
##	2474	73.5	38.6	41.2 97.53397
##	2475	75.4	56.1	27.3 74.27382
##	2476	76.7	50.6	34.2 97.24644
##	2477	67.9	36.7	44.9 94.52707
##	2478	75.0	54.7	31.1 95.76457
##	2479	69.6	43.2	40.6 93.05905
##	2480	80.4	47.7	32.2 95.34815
##	2481	64.6	39.9	44.5 96.78810
##	2482	70.7	44.6	36.1 90.42739

## 2483	73.8	41.5	36.5 98.10268
## 2484	62.3	37.3	47.5 93.71840
## 2485	78.6	38.5	38.4 96.95287
## 2486	71.9	44.3	42.5 97.03256
## 2487	69.4	41.1	40.1 94.27703
## 2488	78.7	56.1	29.6 95.36579
## 2489	78.6	45.0	33.7 97.21074
## 2490	76.7	51.4	29.5 89.67664
## 2491	77.3	52.5	32.1 95.90246
## 2492	47.9	27.7	48.3 48.76274
## 2493	76.8	46.4	32.1 97.56691
## 2494	72.5	42.8	38.8 97.57740
## 2495	75.7	49.8	32.6 97.32803
## 2496	69.7	44.7	38.4 91.26661
## 2497	71.3	44.5	37.6 97.19981
## 2498	73.4	49.0	35.0 92.21710
## 2499	76.2	40.6	36.3 96.72881
## 2500	80.7	57.5	28.0 93.60757
## 2501	67.3	42.5	33.3 80.98400
## 2502	70.3	39.2	40.5 93.21578
## 2503	80.4	60.9	26.4 85.58856
## 2504	74.7	44.1	38.3 95.89644
## 2505	75.5	52.1	33.9 93.75620
## 2506	68.4	42.1	40.4 91.61134
## 2507	69.1	37.0	37.8 93.60701
## 2508	72.5	46.4	34.5 92.85194
## 2509	76.8	43.2	37.6 97.52466
## 2510	68.8	50.6	33.6 69.12484
## 2511	72.9	49.0	36.0 94.97661
## 2512	71.6	39.4	36.5 89.44222
## 2513	76.2	43.1	35.0 94.04785
## 2514	78.4	54.9	25.9 89.99322
## 2515	73.8	44.4	34.2 96.60148
## 2516	80.4	55.1	29.6 93.61511
## 2517	74.0	49.1	35.3 92.66955
## 2518	85.5	68.0	16.8 85.67236
## 2519	82.3	64.5	22.3 93.96467
## 2520	76.6	50.3	32.2 96.77784
## 2521	77.9	54.7	28.6 91.04165
## 2522	76.1	54.6	32.1 91.33149
	84.2		
## 2523		52.3	27.8 93.11227
## 2524	72.0	42.4	38.6 95.91601
## 2525	66.1	41.1	37.3 95.40996
## 2526	75.8	38.4	41.7 92.44678
## 2527	77.8	49.0	34.1 97.56793
## 2528	62.5	34.6	47.7 96.39509
## 2529	77.0	52.0	31.6 93.69889
## 2530	85.7	65.1	21.2 87.00855
## 2531	69.4	41.7	34.5 94.13787
## 2532	79.1	49.2	30.4 96.70549
## 2533	78.2	51.5	26.7 94.12063
## 2534	81.3	62.1	23.3 94.56372
## 2535	74.5	42.0	35.0 92.58819
## 3019	66.0	42.7	37.7 93.46380
" II OO I O	50.0	£4.1	JI.1 JJ.±0300

```
## 3020
                       67.7
                                           33.9
                                                               37.6 95.14944
## 3021
                       69.3
                                           46.0
                                                               32.0 90.57296
## 3022
                       73.8
                                           40.3
                                                               34.3 95.95388
## 3023
                       66.2
                                           42.4
                                                               34.0 91.89021
## 3024
                       65.8
                                           43.8
                                                               37.0 93.07994
                                                               37.9 86.00202
## 3025
                       66.7
                                           41.0
## 3026
                       76.6
                                           55.1
                                                               26.5 93.56654
## 3027
                       72.9
                                           44.3
                                                               35.3 95.77517
## 3028
                       62.5
                                           34.2
                                                               43.2 88.38068
## 3029
                       79.7
                                           39.3
                                                               33.5 94.70544
## 3030
                       75.3
                                           52.4
                                                               29.5 91.65501
## 3031
                       80.2
                                           43.3
                                                               33.8 96.71060
## 3032
                       71.6
                                                               34.4 94.96734
                                           41.7
## 3033
                       73.0
                                           50.2
                                                               32.1 96.16931
## 3034
                                                               32.2 97.96020
                       74.6
                                           43.9
## 3035
                       69.0
                                           46.2
                                                               34.4 87.71862
## 3036
                                                               40.0 96.52324
                       67.8
                                           35.6
## 3037
                                                               34.5 94.50195
                       74.0
                                           42.3
## 3038
                       69.8
                                                               29.5 91.72923
                                           45.7
## 3039
                       79.3
                                           55.3
                                                               19.6 84.29288
## 3040
                       68.1
                                           39.4
                                                               30.6 93.78134
## 3041
                                                               45.5 94.37197
                       66.0
                                           36.2
## 3042
                                                               24.3 94.29173
                       80.0
                                           52.9
## 3043
                       78.3
                                           44.6
                                                               31.7 90.28081
## 3044
                       64.5
                                           48.6
                                                               28.8 75.70625
  3045
                       62.0
                                           47.8
                                                               26.6 87.96163
##
  3046
                       75.9
                                           49.6
                                                               29.5 92.90568
##
   3047
                       76.1
                                           22.9
                                                               25.1 70.09813
##
           PctBlack
                        PctAsian PctOtherRace PctMarriedHouseholds BirthRate
## 112
                      2.66782121
                                    3.64506020
                                                            49.69921
                                                                       7.724034
         2.37093848
## 113
        10.83685568
                      9.16975671
                                   10.14589511
                                                             43.81307
                                                                       5.125073
## 114
         0.55439176
                      1.30557143
                                    3.49986246
                                                            56.13530
                                                                       5.193754
## 115
         1.28970948
                      0.92703929
                                    2.56196424
                                                            57.82098
                                                                       6.700734
## 116
         0.0000000
                      0.0000000
                                    7.97546012
                                                            40.57971
                                                                       4.326923
## 117
         0.11983223
                      0.0000000
                                    1.43798682
                                                            56.06258
                                                                       2.412869
## 118
                      0.31640007
         0.45116306
                                    4.37100838
                                                            51.35794
                                                                      5.517423
## 119
         0.13454423
                      0.80726539
                                    2.37134208
                                                            56.90634 11.631799
## 120
                                                            59.21402
         2.92645360
                      0.07701194
                                    0.90489026
                                                                      4.519774
## 121
         0.93694949
                      1.30669609
                                    5.42617651
                                                            51.96681
                                                                       4.629630
                                    4.35830048
## 122
         1.31406045
                      4.09548839
                                                            34.42211
                                                                       9.518477
## 123
         2.56422287
                      1.43108504
                                    5.15894428
                                                            52.18339
                                                                       6.302577
## 124
                                                            51.41623 14.621131
         4.81999405
                      0.16364177
                                    2.91579887
## 125
         0.43268007
                      1.45075083
                                    0.20361415
                                                            52.23543
                                                                       1.178203
## 126
                                                            45.20184
         2.40633168
                      5.30988302
                                    5.80572343
                                                                       5.642579
## 127
         4.17084419
                      0.74192901
                                    0.92239823
                                                            53.24757
                                                                       5.470460
## 128
         0.96545648
                      2.98814287
                                    7.25010095
                                                            42.93785
                                                                       4.262413
                                    4.85532614
## 149
        20.14710490 10.07800936
                                                            49.81309
                                                                       4.725836
##
  368
         0.36618473
                      0.30936296
                                    0.08207589
                                                            53.34472
                                                                       7.867412
##
   369
         4.90134725
                      4.08927749
                                    1.69409973
                                                            56.43372
                                                                       6.191393
##
   370
         0.51602390
                      0.46472328
                                    0.37419277
                                                            54.03333
                                                                       5.235358
## 371
         0.81877008
                      0.87159396
                                    0.26191839
                                                            44.60243
                                                                       6.561705
## 372
         2.32528492
                      1.13204661
                                    0.11728411
                                                            48.05527
                                                                       7.207015
## 568
        35.70146211
                      2.08854616
                                    1.11278149
                                                            40.67557
                                                                       5.116648
## 1014 1.41503768 6.68013542
                                    2.91853227
                                                            56.72986
                                                                      4.433235
```

```
## 1026
         2.00229437
                      5.16301480
                                   13.26786739
                                                            48.71595 4.603274
## 1295
         0.98720292
                      0.54844607
                                                            62.43697
                                                                      8.951965
                                    0.14625229
                      1.19552642
  1296
         3.08522946
                                    0.0000000
                                                            53.28893 10.810811
  1297
##
         0.01279427
                      0.0000000
                                   22.14687820
                                                            64.27780
                                                                       5.375140
##
  1298
         0.00000000
                      0.13190437
                                    1.07172300
                                                            64.88372
                                                                       6.199262
## 1299
         0.89869281
                      0.32679739
                                    8.90522876
                                                            64.68172
                                                                      5.687204
## 1300
         0.15642109
                      0.04692633
                                    0.86031597
                                                            49.75212
                                                                       5.457746
## 1301
         2.08816705
                      0.0000000
                                    7.73395205
                                                            57.01403
                                                                       6.605505
## 1302
         0.15355741
                      0.05118580
                                    0.58010578
                                                            51.95232
                                                                       7.601185
## 1303
         1.63628534
                      0.68035022
                                    1.80565523
                                                            57.58044
                                                                       5.858531
## 1304
         0.0000000
                      0.94430993
                                   10.12106538
                                                            63.94265
                                                                       5.965293
##
  1305
         0.00000000
                      2.37235688
                                    0.0000000
                                                            61.28237
                                                                       9.393939
##
   1306
         0.67164179
                      0.48507463
                                    0.04477612
                                                            58.75781
                                                                       5.896980
##
  1307
         0.47624087
                      0.02116626
                                    0.13228913
                                                            60.96526
                                                                       5.155718
## 1308
         0.06583279
                      0.59249506
                                    0.49374588
                                                            54.78018
                                                                       6.681034
## 1309
         4.48877410
                      4.46019329
                                    0.91829066
                                                            55.46135
                                                                       5.529393
## 1310
         0.86032389
                      0.27834008
                                   10.95647773
                                                            64.97462
                                                                       5.231144
  1311
         0.14120668
                      0.0000000
                                    0.07702182
                                                            55.25615
                                                                       7.676768
                                    0.51261830
## 1312
         0.86750789
                      0.67034700
                                                            56.00375
                                                                      3.783784
## 1313
         0.35842294
                      0.0000000
                                    0.0000000
                                                            47.82609 10.029499
## 1314
         8.46255129
                      1.57490381
                                    1.12748795
                                                            56.92975
                                                                      5.174511
## 1315
         0.82435003
                      0.34876347
                                    0.0000000
                                                            49.88764
                                                                      7.180385
                                                                      7.603802
## 1316
         0.69269521
                      0.34634761
                                                            54.47154
                                    0.15743073
## 1317
         0.0000000
                      0.17901898
                                    0.46544934
                                                            51.64924
                                                                       7.558140
## 1318
         2.53720638
                      2.04112127
                                    3.05719921
                                                            44.49216
                                                                      7.999081
## 1319
         1.04608232
                      0.68029536
                                    0.99480377
                                                            56.52616
                                                                       6.078626
## 1320
                                                            57.88270
         0.81366965
                      0.18714402
                                    0.17087063
                                                                       6.021595
##
  1321
         0.28985507
                      0.28985507
                                    0.38980510
                                                            55.71495
                                                                       6.352683
## 1322
         0.84417066
                      1.04950947
                                    8.16792151
                                                            61.09799 12.219731
## 1323
         1.33688204
                      0.37934410
                                                            56.81529
                                    0.21720509
                                                                       6.683134
## 1324
         0.38119441
                      0.69885642
                                    0.14294790
                                                            55.30331
                                                                       2.550091
## 1325
         5.11642874
                      0.91855839
                                    0.43587643
                                                            47.39859
                                                                       6.411140
   1326
         0.15652174
                      0.4000000
                                    0.71304348
                                                            59.43475
                                                                       5.611776
  1327
         0.93367676
                      0.16097875
                                    7.24404379
                                                            52.56518
                                                                       3.291536
##
   1328
         0.88591397
                      0.24608721
                                                            56.80585
                                    0.14765233
                                                                       5.558363
                                    0.44449857
## 1329
         1.16909213
                      0.19484869
                                                            52.01919
                                                                       8.276060
## 1330
         0.51998700
                      0.0000000
                                    1.52746181
                                                            57.19450
                                                                       9.725159
## 1331
         2.45080501
                      0.35778175
                                    1.21645796
                                                            53.79896
                                                                       9.776833
         0.14925373
##
  1332
                      0.16791045
                                    0.16791045
                                                            55.15757
                                                                       4.447806
## 1333
         0.39661555
                                                            50.90703
                      1.05764146
                                    0.10576415
                                                                       4.141104
  1334
         0.29761905
                      0.0000000
                                    0.41335979
                                                            58.52387
                                                                       1.470588
  1335
         4.84734481
##
                      0.00000000
                                    1.62060483
                                                            45.76803
                                                                       1.121657
##
  1336
         0.38174877
                      0.18178513
                                    0.16360662
                                                            55.04470
                                                                       9.342231
                                                            62.60986
##
  1337
         1.29060774
                      0.90165746
                                    0.68508287
                                                                      8.095893
## 1338
         0.71875963
                      0.01026800
                                    0.60581169
                                                            52.74218
                                                                      5.278450
## 1339
         0.35363458
                      0.11787819
                                    0.47151277
                                                            53.38284 10.287081
## 1340
         2.98011177
                      0.56511287
                                    1.67660558
                                                            52.29310
                                                                       5.263956
## 1341
         0.14565127
                      0.58260508
                                    0.0000000
                                                            48.87912
                                                                      7.552083
  1342
         1.80746954
                      0.48931496
                                    4.05432395
                                                            55.39809
                                                                       5.697731
##
   1343
         6.55274453
                      4.50934393
                                    1.11167391
                                                            43.09140
                                                                       4.808995
## 1344
         0.23139221
                      0.57848052
                                                            51.17860
                                                                      5.273834
                                    0.55919784
## 1345
         0.0000000
                      0.0000000
                                    0.06281407
                                                            49.39435 10.758377
## 1346
                      0.0000000
                                    0.01431025
                                                            52.20747 10.703125
         1.24499141
## 1347
         3.20983224
                      2.48138513
                                    3.19368440
                                                            46.41804 6.843610
```

```
## 1348
         0.00000000
                      1.05519480
                                    2.82061688
                                                            56.83060
                                                                       6.629834
                                    2.15051853
## 1349
         9.22197939
                      4.26273718
                                                            47.48265
                                                                       6.454934
                                   29.93039443
  1350
         3.74667010
                      2.94749506
                                                            46.64439
                                                                       6.872294
  1351
##
         7.87395409
                      1.13651617
                                    1.92402345
                                                            46.64696
                                                                       5.852417
##
   1352
         0.07902015
                      0.0000000
                                    0.15804030
                                                            56.66372
                                                                       7.382550
## 1353
         1.43706640
                      0.0000000
                                    3.76610506
                                                            43.57502
                                                                       7.904412
## 1354
         0.42780749
                      0.16042781
                                    0.05347594
                                                            56.26875
                                                                       8.463950
## 1355
         0.9722222
                      0.43981482
                                    1.57407407
                                                            59.25307
                                                                       6.165919
## 1356
         1.02373197
                      0.60493253
                                   17.21731038
                                                            59.39024 13.963964
## 1357
         0.55440055
                      0.27720028
                                   12.21413721
                                                            71.40010
                                                                       4.250386
  1358
         0.89263051
                      0.22421525
                                    0.72341146
                                                            55.02145
                                                                       6.593634
                                                            53.81222
##
   1359
         1.86750789
                      0.08832808
                                    1.38801262
                                                                       5.794872
##
   1360
         0.30498136
                      0.40664182
                                    0.71162318
                                                            59.37020
                                                                       4.642857
##
  1361
         0.22866943
                      0.24296127
                                    0.17150207
                                                            60.19490
                                                                       4.111601
## 1362
         0.0000000
                      0.06269592
                                    0.0000000
                                                            57.44000
                                                                       8.333333
  1363
         0.75624340
                      0.17587056
                                    0.28139289
                                                            57.33006
                                                                       5.961538
##
## 1364
         0.0000000
                      0.31760436
                                    2.90381125
                                                            57.49040
                                                                       7.061503
  1365
         0.15450833
                      0.62906964
                                    0.68425119
                                                            49.88060
                                                                       6.210826
  1366
         0.52943008
                      0.15571473
                                    0.31142946
                                                            44.93795
##
                                                                       6.818182
   1367 24.28018855
                      3.45322936
                                    6.45311742
                                                            38.97061
                                                                       6.377617
##
  1486 11.57916158
                      4.15506258
                                    1.69682585
                                                            50.37633
                                                                       4.236256
                      4.08768533
  1564
         0.91285391
                                    1.52655878
                                                            54.65082
                                                                       5.072390
## 1744
         5.04145306
                      2.74951939
                                    2.40007209
                                                            53.42832
                                                                       4.239802
##
  1840 20.84468147 18.38740694
                                    5.41566476
                                                            65.81954
                                                                       5.338508
## 1924
         3.54347316
                      2.51320172
                                    3.71657786
                                                            58.84968
                                                                       6.062214
  2454
         0.19477990
                      0.07791196
                                    0.11686794
                                                            56.35408
                                                                       7.093822
  2455
                                                            46.24301
##
         3.10786948
                      2.03147793
                                    0.42840691
                                                                       4.611181
                                                                       5.656722
##
  2456
         0.44897798
                      0.43322437
                                    0.74435824
                                                            52.52364
##
  2457
         1.23860847
                      0.58403634
                                    0.15800017
                                                            51.24645
                                                                       5.169122
                                    0.60701039
## 2458
         1.18790158
                      2.52207073
                                                            64.90515
                                                                       5.473379
## 2459
         0.36116273
                      0.49791367
                                    0.12623164
                                                            54.46484
                                                                       7.941812
##
  2460
         0.81454665
                      0.24683232
                                    0.97087379
                                                            53.27641
                                                                       8.914100
##
   2461
         1.16283390
                      0.75602779
                                    0.44767248
                                                            60.30392
                                                                       5.001246
##
  2462
         2.00561770
                      1.15310698
                                    0.57655349
                                                            51.69798
                                                                       6.780929
  2463
         0.25137111
                      0.42276051
                                    0.04570384
                                                            55.39300
##
                                                                       7.495430
## 2464
         0.90489026
                      0.92414324
                                    1.25144397
                                                            53.31825
                                                                       2.465166
## 2465
         0.61898212
                      2.73383769
                                    3.71389271
                                                            53.63047
                                                                       8.062361
         0.63919553
## 2466
                      0.50279152
                                    0.06661591
                                                            52.53935
                                                                       6.153361
##
  2467
         5.21671857
                      4.56524081
                                    2.65952759
                                                            54.81702
                                                                       5.401030
## 2468
         0.53721045
                      0.47313948
                                    0.35978314
                                                            59.42298
                                                                       6.386702
  2469
         0.57618788
                      0.24303659
                                    0.17476789
                                                            56.35324
                                                                       6.190278
  2470
         0.35839775
                                                            52.24349
##
                      0.41461701
                                    0.40056219
                                                                       3.506787
##
  2471
         0.40781078
                      0.38861968
                                    0.19670873
                                                            55.92545
                                                                       5.655207
##
         1.12955950
                      1.30757031
                                                            49.27269
  2472
                                    1.07453798
                                                                       5.846509
## 2473
         1.11262048
                      0.57140393
                                    0.28031136
                                                            54.15846
                                                                       6.136245
## 2474
         0.00000000
                      0.30196276
                                    0.36906559
                                                            55.41502
                                                                       8.227848
## 2475 12.16571379
                      6.79642938
                                    2.53010580
                                                            43.89530
                                                                       5.881342
  2476
         0.30299809
                      0.22326175
                                    0.15415692
                                                            55.63023
                                                                       3.366022
  2477
##
         0.55409740
                      0.54437640
                                    0.42286381
                                                            58.75726
                                                                       3.229308
##
  2478
         0.58230625
                      0.74420305
                                    0.41518697
                                                            55.03236
                                                                       5.876217
                                    0.27340477
##
  2479
         0.48948274
                      0.39026326
                                                            55.68152
                                                                       6.184256
## 2480
         0.19586720
                      2.47772011
                                    1.28293017
                                                            54.91502
                                                                       7.996051
## 2481
                      0.33118790
                                    0.13747422
                                                            54.82152
                                                                       4.499230
         0.43116916
## 2482
         2.91678447
                      0.65262464
                                    4.02648195
                                                            55.81103 5.730235
```

```
## 2483
         0.60267857
                      0.20089286
                                    0.08928571
                                                             51.67364
                                                                       6.869221
                                                                       3.367670
## 2484
                      0.64348092
                                    0.01532097
                                                             49.86311
         0.88095603
                                                                       6.786942
  2485
         0.62651289
                      0.81161897
                                    0.12815036
                                                             55.75049
  2486
##
         0.11162791
                      0.0000000
                                    0.44651163
                                                             54.17731
                                                                       7.011070
##
  2487
         0.58242593
                      0.91162320
                                    0.0000000
                                                             51.32471
                                                                       5.924855
##
  2488
         0.59190818
                      0.48363229
                                    1.94535677
                                                             57.73595
                                                                       7.140457
## 2489
         0.37878788
                      0.15495868
                                    1.13636364
                                                             54.22507
                                                                       5.539070
## 2490
         2.92618390
                      3.33086890
                                    2.84057745
                                                             50.33139
                                                                       5.799294
##
  2491
         0.37452145
                      0.62142818
                                    1.46202075
                                                             53.36392
                                                                       7.114267
##
  2492
         0.56404658
                      0.43668122
                                    0.70960699
                                                             44.27786
                                                                       8.348624
##
  2493
         0.26446631
                      0.19041574
                                    0.32793822
                                                             54.68090
                                                                       6.110202
##
  2494
         0.34889435
                      0.54054054
                                    0.26535626
                                                             50.45861
                                                                       7.700101
##
  2495
         0.43668122
                      0.41938692
                                                             57.37955
                                    0.23779670
                                                                       6.093113
##
   2496
         0.57344337
                      0.44170638
                                    0.25572475
                                                             50.55744
                                                                       6.653151
## 2497
         0.54304957
                      0.50361022
                                    0.26090650
                                                             55.11534
                                                                       5.734926
   2498
         3.02342774
                      2.02411604
                                    0.87949626
                                                             50.11345
##
                                                                       6.166646
         0.35174112
                      0.43381405
                                    0.62140931
##
  2499
                                                             55.47230
                                                                       6.466069
   2500
         2.43607568
                      1.47796651
                                    0.95810917
                                                             52.82287
                                                                       5.329918
##
  2501
         3.98395352
                      5.75921059
                                    7.20247153
                                                             53.92757
                                                                       7.867172
##
   2502
         0.50806934
                      0.40346683
                                    0.94142259
                                                             54.91202
                                                                       6.289308
##
  2503
         5.10636295
                      5.86408132
                                    0.79671364
                                                             53.62614
                                                                       5.827671
                                                             57.03768
##
  2504
         1.22585245
                      0.60510163
                                    0.65204917
                                                                       7.511606
## 2505
         1.65839830
                      0.83628632
                                    0.29057406
                                                             45.21959
                                                                       5.893846
##
  2506
         2.13224724
                      0.53734000
                                    0.70504484
                                                             50.62935
                                                                       4.865650
## 2507
         1.25080180
                      0.40624332
                                    1.26149241
                                                             52.63819
                                                                       5.622271
  2508
         1.15700384
                      0.83367674
                                    1.53421878
                                                             51.04928
                                                                       7.867590
   2509
                                                             56.62300
##
         0.54804531
                      0.35622945
                                    0.44757033
                                                                       8.178625
##
   2510 11.14671480
                     13.25095609
                                    1.86988895
                                                             41.77379
                                                                       6.136246
##
   2511
         0.66486087
                      0.27086924
                                    0.91110564
                                                             54.60566 10.141207
##
  2512
         0.71233225
                                    0.40068689
                                                             51.81544
                      3.28181645
                                                                       5.744392
##
  2513
         0.75802518
                      0.58005405
                                    2.76843979
                                                             54.09241
                                                                       5.738255
##
  2514
         3.83595845
                      2.27784114
                                    1.91566748
                                                             54.56684
                                                                       4.613271
##
   2515
         0.53330545
                      0.93067029
                                    0.35553696
                                                             56.98651 11.041340
##
  2516
         0.68523855
                      2.67050913
                                                             56.07787
                                                                       6.330670
                                    0.23695165
   2517
         1.54658714
                      1.03039310
                                                             45.37229
##
                                    0.21395869
                                                                       4.901104
                                    1.58022749
##
  2518
         2.94126214
                      5.92039149
                                                             64.00598
                                                                       6.064706
##
  2519
         1.97342950
                      1.20573887
                                    0.25552815
                                                             62.64473
                                                                       6.543533
## 2520
         0.39944078
                      0.62579056
                                    1.03854604
                                                             56.65115
                                                                       5.582446
                      1.89783414
##
  2521
         3.74651856
                                    1.19269963
                                                             51.70872
                                                                       4.490661
## 2522
         2.55181666
                      1.12805629
                                                             53.89251
                                    3.16786682
                                                                       6.135047
  2523
         0.77781189
                      1.86265480
                                    0.90062430
                                                             53.92585
                                                                       6.221294
  2524
         1.63779528
                                                             52.02080
##
                      0.16797900
                                    1.37532808
                                                                       9.562842
##
   2525
         0.28611134
                      0.42099240
                                    1.92103327
                                                             55.95081
                                                                       7.800673
                      0.0000000
##
   2526
         0.49577136
                                    0.26246719
                                                             57.34908
                                                                       4.967949
##
  2527
         0.16837379
                      0.35077873
                                    0.28997708
                                                             57.73484
                                                                       5.142332
## 2528
         0.95210408
                      0.58143760
                                    0.18169925
                                                             47.68200
                                                                       5.574779
##
  2529
         2.78360243
                      0.76011743
                                    0.79157056
                                                             56.88737
                                                                       6.458604
##
  2530
         3.84075891
                      5.16925447
                                    0.75809786
                                                             59.14859
                                                                       5.104712
##
  2531
         0.59706893
                      1.14890537
                                    2.66871721
                                                             50.04494
                                                                       3.175334
##
   2532
         0.32178976
                      0.22984983
                                    0.03064664
                                                             51.90922
                                                                       7.810107
##
  2533
         1.43127721
                      2.55403901
                                    0.44519946
                                                             49.48605
                                                                       4.802427
## 2534
         1.01327987
                      1.01949631
                                    1.01871926
                                                             62.21363
                                                                       6.296560
## 2535
         0.45580658
                                    1.39714625
                                                             56.38704
                                                                       7.744283
                      0.59453032
## 3019
         1.70476263
                      0.51219326
                                    0.59628469
                                                             48.20957
                                                                       8.708822
```

```
## 3020 0.11398176
                      0.0000000
                                    0.0000000
                                                            55.73171 8.419023
## 3021
         4.09427043
                      0.33668009
                                    0.40281368
                                                            47.10757
                                                                      6.012885
                      0.46121593
                                    0.25157233
## 3022
         0.33542977
                                                            57.39525
                                                                      8.417508
## 3023
         1.70079200
                                                            50.09729
                      0.17883864
                                    3.93080039
                                                                      7.120636
## 3024
         3.52416959
                      0.87091547
                                    0.14852822
                                                            52.63251 12.159893
## 3025
         1.75101215
                      0.56680162
                                    0.16194332
                                                            50.87762
                                                                      7.974482
## 3026
         2.04260727
                      0.93959935
                                    0.40095624
                                                            57.05104
                                                                      5.706173
## 3027
         0.88170463
                      0.0000000
                                    0.44085231
                                                            51.44144
                                                                      5.031447
## 3028
         0.56818182
                      0.00000000
                                    0.0000000
                                                            53.43610
                                                                       2.613240
## 3029
         0.00000000
                      1.15585384
                                    3.24384788
                                                            52.77338 10.775862
## 3030
         1.02564103
                      0.74592075
                                    1.72494173
                                                            50.48544
                                                                       6.746988
## 3031
                                                            59.69796
         0.60562878
                      0.54625341
                                    0.20187626
                                                                       6.744329
## 3032
         0.42831138
                      0.81379163
                                    1.76678445
                                                            45.56004
                                                                      7.082002
## 3033
         0.78032632
                      0.63844881
                                    0.10640813
                                                            55.11348
                                                                      7.435159
## 3034
         0.00000000
                      0.54726368
                                                            57.78061
                                    0.99502488
                                                                       4.664723
## 3035
         3.16804789
                      1.61035505
                                    1.89306799
                                                            50.73057
                                                                       7.404551
## 3036
         0.41308090
                      0.0000000
                                    0.41308090
                                                            42.70197
                                                                       7.127430
## 3037
         0.51752408
                      0.29206805
                                    0.79934413
                                                            55.21606
                                                                       6.565531
## 3038
         3.69003690
                      0.24176104
                                    0.08906986
                                                            55.93438
                                                                       4.685714
## 3039
         3.99940853
                      4.40735168
                                    0.60713074
                                                            41.84409
                                                                       4.146877
## 3040
         0.90270812
                      0.30090271
                                    3.44366433
                                                            55.96546
                                                                      4.210526
## 3041
                      0.40998882
                                    0.44726053
         0.78270593
                                                            52.14968
                                                                       3.050109
## 3042
         1.14510399
                      1.38654158
                                    1.01403787
                                                            43.27678
                                                                       3.977583
## 3043
         3.83775351
                      0.32761311
                                    1.70046802
                                                            51.06383
                                                                       7.773512
## 3044
         2.32677134
                      4.04491961
                                   14.13028842
                                                            52.00794
                                                                       8.186470
  3045
         2.31318776
                      1.31647174
                                    5.68070519
                                                            55.15395
                                                                       7.809192
  3046
                                    2.13179047
                                                            58.48423
##
         1.17656195
                      0.24463169
                                                                       7.582938
##
   3047 16.59009976
                      3.17775301
                                    1.35645744
                                                            56.04024
                                                                       8.981723
##
        deathRate PctDoubleCoverage PctNoCoverage EmpSponsoredPct
## 112
            211.0
                                  0.0
                                                 0.0
                                                            55.39683
## 113
            167.7
                                  0.0
                                                 9.8
                                                            72.17806
## 114
            145.2
                                  6.5
                                                0.0
                                                            56.01132
## 115
            143.2
                                  0.0
                                                 8.5
                                                            83.42466
## 116
            262.1
                                  0.0
                                                6.4
                                                            61.76991
## 117
            178.7
                                                5.0
                                                            68.84817
                                  0.0
## 118
            191.5
                                 0.0
                                               10.0
                                                            77.66571
## 119
            123.8
                                  0.0
                                                 6.5
                                                            77.71346
## 120
            127.4
                                 0.0
                                                 4.4
                                                            75.66303
## 121
            195.7
                                 0.0
                                                 1.4
                                                            63.17512
## 122
            254.3
                                 1.3
                                                0.0
                                                            62.65060
## 123
            213.5
                                 1.3
                                                0.0
                                                            56.87382
## 124
            121.8
                                 0.0
                                                 5.4
                                                            63.60601
## 125
            132.6
                                  2.6
                                                 0.0
                                                            59.27007
## 126
            166.0
                                 0.0
                                                 6.5
                                                            69.87768
## 127
            188.4
                                  0.0
                                                 0.5
                                                            71.59763
## 128
            193.5
                                  0.0
                                                 3.1
                                                            67.69984
## 149
            160.3
                                 0.5
                                                 0.0
                                                            76.47059
## 368
            164.1
                                 17.8
                                                 0.0
                                                            49.01961
## 369
            167.9
                                 5.0
                                                 0.0
                                                            76.41866
## 370
            189.3
                                 5.1
                                                 0.0
                                                            61.46927
## 371
            162.6
                                 0.0
                                                 0.9
                                                            67.57679
## 372
            155.3
                                  3.7
                                                 0.0
                                                            71.74825
## 568
            182.7
                                 0.0
                                                 2.1
                                                            67.91277
## 1014
            153.4
                                 5.8
                                                0.0
                                                            68.54220
```

##	1026	142.3	0.0	4.9	62.81646
##	1295	136.2	7.0	0.0	46.98795
##	1296	134.0	15.8	0.0	48.31169
##	1297	197.8	0.0	12.1	65.16854
##	1298	150.7	0.0	1.8	63.60053
##	1299	156.9	10.7	0.0	52.13675
##	1300	155.4	7.4	0.0	58.35735
	1301	164.2	0.0	10.0	60.61121
	1302	194.7	4.5	0.0	62.06416
	1303	162.2	5.0	0.0	68.17577
	1304	122.6	0.0	10.1	66.34615
	1305	127.6	7.4	0.0	59.34343
	1306	178.7	8.7	0.0	67.69627
	1307	173.0	6.7	0.0	69.84536
	1308	165.8	16.3	0.0	42.64706
	1309	146.8	2.9	0.0	75.00000
	1310	209.6	0.0	1.1	70.70968
	1311	129.4	3.5	0.0	60.55944
	1312	141.4	7.6	0.0	59.78112
	1313	148.6	7.4	0.0	62.14834
	1314	166.5	6.9	0.0	53.24190
	1315	164.5	3.8	0.0	57.62712
	1316	219.4	7.3	0.0	59.73333
	1317	129.1	12.6	0.0	56.63717
	1317	182.9	0.0	3.2	68.94502
				0.0	
	1319 1320	161.2 143.8	8.5 8.3	0.0	69.39281 65.55407
	1321	150.8	10.3	0.0	61.90476
	1322	176.2	3.3	0.0	65.44021
	1323	150.2	5.6	0.0	69.05055
	1324	151.3	7.1	0.0	59.49686
	1325	208.4	1.0	0.0	66.66667
	1326	193.4	10.5	0.0	55.86298
	1327	165.4	1.0	0.0	69.95769
	1328	147.7	8.4	0.0	62.43781
##	1329	183.5	2.8	0.0	68.14159
	1330	128.7	12.7	0.0	55.18135
	1331	109.9	5.7	0.0	63.04945
	1332	181.3	7.1	0.0	62.44784
	1333	166.2	9.4	0.0	52.14477
	1334	151.2	5.7	0.0	65.29563
	1335	182.5	5.6	0.0	57.82967
	1336	171.1	9.2	0.0	58.70712
	1337	153.9	4.2	0.0	64.80100
	1338	177.9	3.9	0.0	65.45961
	1339	177.8	12.7	0.0	52.57732
	1340	172.6	2.2	0.0	66.42755
	1341	154.1	11.6	0.0	56.22490
	1342	173.6	0.6	0.0	67.61769
	1343	154.3	1.8	0.0	59.25059
	1344	164.7	7.0	0.0	57.06294
	1345	114.3	8.7	0.0	60.37234
	1346	151.9	9.8	0.0	48.36879
##	1347	175.6	0.0	0.0	66.71368

##	1348	160.5	8.8	0.0	60.40428
##	1349	171.5	0.0	2.8	72.68786
##	1350	164.4	0.0	12.5	79.67480
##	1351	171.6	3.6	0.0	67.64296
##	1352	143.1	11.0	0.0	43.05177
##	1353	161.6	2.0	0.0	60.49005
##	1354	157.6	15.1	0.0	41.05263
	1355	126.0	1.5	0.0	60.12365
##	1356	127.9	0.4	0.0	67.88512
##	1357	148.2	0.0	5.1	64.70588
##	1358	170.1	3.5	0.0	69.46355
##	1359	154.5	5.7	0.0	59.62963
##	1360	177.9	10.1	0.0	56.66267
##	1361	150.3	6.6	0.0	68.23239
##	1362	175.5	2.1	0.0	53.38645
##	1363	172.4	8.3	0.0	60.08065
##	1364	177.6	4.9	0.0	45.74616
##	1365	171.1	0.1	0.0	62.06323
	1366	293.9	1.6	0.0	56.73534
	1367	221.8	0.0	13.3	71.59533
	1486	160.8	0.0	5.9	70.35398
				0.0	
	1564	160.2	3.6		68.79150 70.29831
	1744	172.7	7.2	0.0	
	1840	133.4	0.0	8.7	81.08108
	1924	164.9	0.0	8.3	75.73099
	2454	178.0	14.8	0.0	46.38633
	2455	151.9	6.0	0.0	70.81761
	2456	161.5	12.1	0.0	63.92638
	2457	187.8	7.2	0.0	72.64022
	2458	148.8	4.5	0.0	78.40000
	2459	168.1	11.2	0.0	51.70178
	2460	167.2	8.0	0.0	58.68613
	2461	149.0	7.1	0.0	73.53308
	2462	161.0	5.3	0.0	73.35025
	2463	184.9	2.8	0.0	59.89583
	2464	128.7	12.5	0.0	58.05142
	2465	153.8	14.1	0.0	51.69972
	2466	176.7	11.2	0.0	60.48502
	2467	154.4	4.9	0.0	77.49392
	2468	153.6	6.5	0.0	73.47188
	2469	160.9	13.1	0.0	59.43517
	2470	158.9	11.7	0.0	58.39112
	2471	152.7	8.0	0.0	62.16578
	2472	164.1	9.3	0.0	62.01991
	2473	161.6	8.5	0.0	66.83938
	2474	159.9	14.7	0.0	52.51701
	2475	156.8	2.7	0.0	74.40318
	2476	141.8	10.9	0.0	65.97132
	2477	156.0	12.8	0.0	54.05007
	2478	177.3	6.1	0.0	72.93333
	2479	177.7	10.2	0.0	62.06897
	2480	130.4	12.6	0.0	59.32836
##	2481	162.2	9.1	0.0	61.76471
##	2482	147.5	6.8	0.0	63.08345

##	2483	168.3	10.3	0.0	56.23306
##	2484	173.3	9.8	0.0	59.87159
##	2485	145.6	17.0	0.0	48.98219
##	2486	164.5	14.4	0.0	61.61335
##	2487	172.7	9.5	0.0	59.22190
##	2488	166.9	8.3	0.0	71.28335
##	2489	146.8	12.3	0.0	57.25191
##	2490	163.0	6.2	0.0	67.01434
##	2491	175.4	9.4	0.0	67.91721
##	2492	215.7	0.0	3.8	57.82881
##	2493	148.2	8.9	0.0	60.41667
	2494	162.5	11.3	0.0	59.03448
##	2495	151.2	8.3	0.0	65.78600
##	2496	190.0	8.1	0.0	64.13199
	2497	169.5	8.9	0.0	62.41234
	2498	155.6	8.4	0.0	66.75749
	2499	156.4	12.5	0.0	53.28084
	2500	133.3	8.7	0.0	71.25155
	2501	138.1	0.6	0.0	63.15007
##	2502	169.9	10.8	0.0	55.76102
	2503	142.2	6.8	0.0	75.74627
	2504	156.9	13.0	0.0	59.03614
	2505	174.2	9.4	0.0	69.00662
	2506	161.7	8.8	0.0	61.54971
	2507	173.0	6.9	0.0	53.54559
	2508	184.4	7.0	0.0	64.00000
	2509	154.5	14.4	0.0	56.25000
	2510	166.5	2.4	0.0	73.54651
	2511	157.6	8.9	0.0	67.21536
	2512	180.7	8.1	0.0	55.02793
	2513	176.5	11.2	0.0	56.56168
	2514	168.4	4.3	0.0	70.02551
	2515	147.0	8.0	0.0	60.16260
	2516	158.2	10.0	0.0	68.53234
	2517	184.8	9.3	0.0	66.35135
	2518	153.9	2.3	0.0	79.53216
	2519	170.5	4.6	0.0	78.37181
	2520	181.7	8.8	0.0	65.66580
	2521	153.7	6.5	0.0	70.21823
	2522	145.9	8.2	0.0	71.74770
	2523	146.2	12.0	0.0	62.11401
	2524	162.3	10.6	0.0	58.88889
	2525	147.2	3.4	0.0	62.17852
	2526	132.3	17.5	0.0	50.65963
	2527	160.2	11.9	0.0	62.98201
	2528	187.9	10.2	0.0	55.36000
	2529	163.0	8.6	0.0	67.53247
	2530	152.1	6.9	0.0	75.96266
	2531	159.7	3.9	0.0	60.08646
	2532	122.5	9.5	0.0	62.19975
	2533	166.8	4.9	0.0	65.85678
	2534	165.2	4.6	0.0	76.38376
	2535	151.9	9.5	0.0	56.37584
	3019	196.4	3.7	0.0	64.69697
π#	5019	100.7	5.1	0.0	U-1.03031

##	3020	174.8	5.3	0.0	50.07386
##	3021	180.2	1.3	0.0	66.37807
##	3022	197.8	8.1	0.0	54.60705
##	3023	178.3	0.2	0.0	64.04834
##	3024	166.6	2.8	0.0	66.56535
##	3025	184.2	4.6	0.0	61.46927
##	3026	175.0	3.1	0.0	71.93211
##	3027	177.8	8.2	0.0	60.76818
##	3028	194.2	5.7	0.0	54.72000
##	3029	150.0	13.2	0.0	49.30991
##	3030	153.7	4.8	0.0	69.58831
##	3031	169.2	14.0	0.0	53.99002
##	3032	178.6	6.0	0.0	58.24022
##	3033	176.6	5.1	0.0	68.76712
##	3034	209.6	6.8	0.0	58.84718
##	3035	184.4	3.4	0.0	66.95652
##	3036	214.7	7.8	0.0	52.50737
##	3037	181.2	8.5	0.0	57.16216
##	3038	160.3	0.0	0.7	65.47278
##	3039	153.7	0.0	1.1	69.73518
##	3040	208.3	0.0	1.3	57.85609
##	3041	215.9	11.5	0.0	54.84848
##	3042	146.4	4.3	0.0	66.12500
##	3043	149.6	10.0	0.0	56.96041
##	3044	150.1	0.0	6.7	75.34884
##	3045	153.9	0.0	11.4	77.09677
##	3046	175.0	5.4	0.0	65.34914
##	3047	213.6	1.2	0.0	30.09198

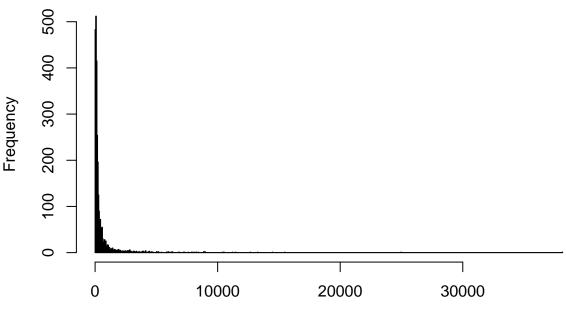
We notice that there are a lot of observations that have the exact same value of avgAnnCount - 1962.667684 - and this is the only not integer value in the whole set of avgAnnCount values. For that matter, before any further analysis, we will transform all of these values in NAs.

```
cancer.df$avgAnnCount[cancer.df$avgAnnCount==1962.667684] = NA
```

Now we can go back to analyzing the avgAnnCount:

hist(cancer.df\$avgAnnCount, breaks="fd", xlab = "Mean Number of Incidences per County (2009-2013)", yla

# **Corrected Histogram of Mean Cancer Incidences**



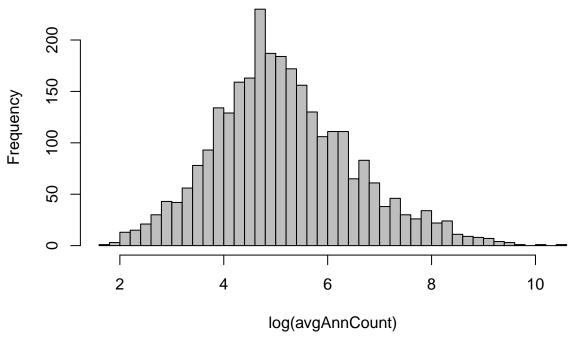
### Mean Number of Incidences per County (2009–2013)

Tha:

extremely right-skewed distribution is an indicative that we could use a log() transformation in this variable. Let's see how the variable is before the transformation.

```
summary(cancer.df$avgAnnCount)
##
      Min. 1st Qu. Median
                               Mean 3rd Qu.
                                                Max.
                                                         NA's
         6
                        153
                                508
##
                71
                                         396
                                               38150
                                                          206
Now to the analysis of the log(avgAnnCount)
summary(log(cancer.df$avgAnnCount))
      Min. 1st Qu.
                     Median
                               Mean 3rd Qu.
                                                Max.
                                                         NA's
##
     1.792
             4.263
                      5.030
                              5.158
                                       5.981
                                              10.549
                                                          206
hist(log(cancer.df$avgAnnCount), breaks="fd", xlab = "log(avgAnnCount)", ylab="Frequency", main = "Hist
```

# **Histogram of log(avgAnnCount)**

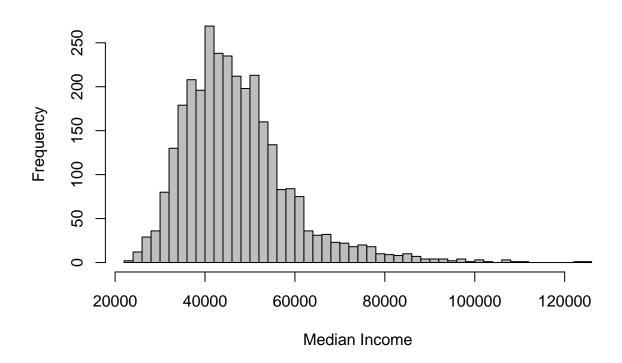


The distribution of  $\log(\operatorname{avgAnnCount})$  is fairly close to normal.

medIncome

hist(cancer.df\$medIncome, breaks="fd", xlab = "Median Income", ylab="Frequency", main = "Histogram of M

# **Histogram of Median Income**

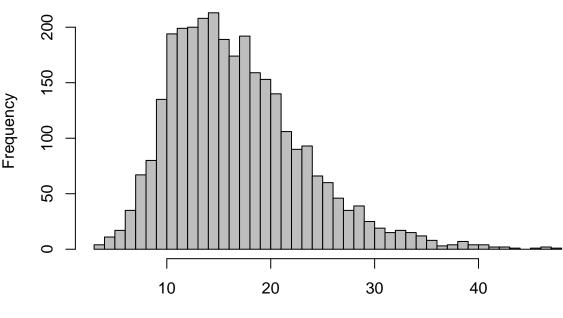


The distribution of Median Income is fairly normal with a slight right skew.

povertyPercent

hist(cancer.df\$povertyPercent, breaks="fd", xlab = "Percentage of population below poverty line", ylab=

## **Histogram of Poverty Percentage**



Percentage of population below poverty line

The distribution of Poverty Percent is fairly normal with a slight right skew.

# Bivariate Analysis of Secondary Variables

After taking a first look into other variables, and performing necessary corrections, we must now understand how they relate to the primary key variables, in order to comprehend what else might be driving the relationship previously found between different types of health insurance coverage and cancer death rates.

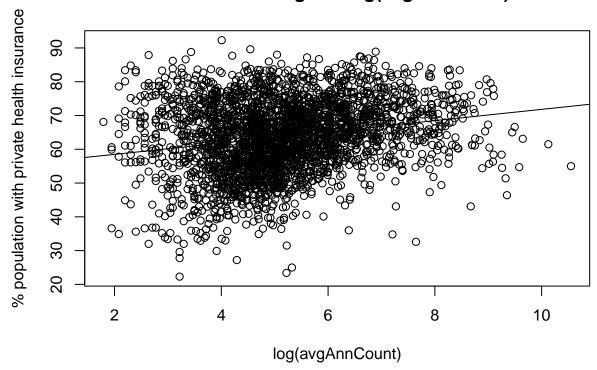
For each secondary variable introduced, we will analyze their relationship with the primary variables and with the output variable itself.

log(avgAnnCount)

Private Insurance Coverage

```
plot(log(cancer.df$avgAnnCount),cancer.df$PctPrivateCoverage, ylab = "% population with private health
abline(lm(cancer.df$PctPrivateCoverage[!is.na(cancer.df$avgAnnCount)] ~ log(cancer.df$avgAnnCount[!is.na)
```

# **Private Coverage vs log(avgAnnCount)**



cor(log(cancer.df\$avgAnnCount), cancer.df\$PctPrivateCoverage, use = "complete.obs")

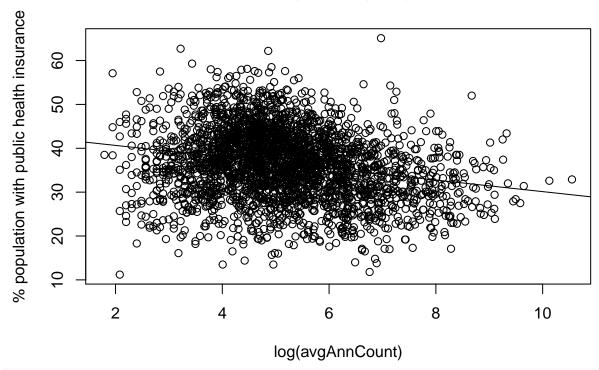
#### ## [1] 0.2103135

There is a small positive correlation between the log(avgAnnCount) and the percentage of population with private health insurance coverage.

#### Public Insurance Coverage

plot(log(cancer.df\$avgAnnCount),cancer.df\$PctPublicCoverage, ylab = "% population with public health in abline(lm(cancer.df\$PctPublicCoverage[!is.na(cancer.df\$avgAnnCount)] ~ log(cancer.df\$avgAnnCount[!is.na

## Public Coverage vs log(avgAnnCount)



cor(log(cancer.df\$avgAnnCount),cancer.df\$PctPublicCoverage, use = "complete.obs")

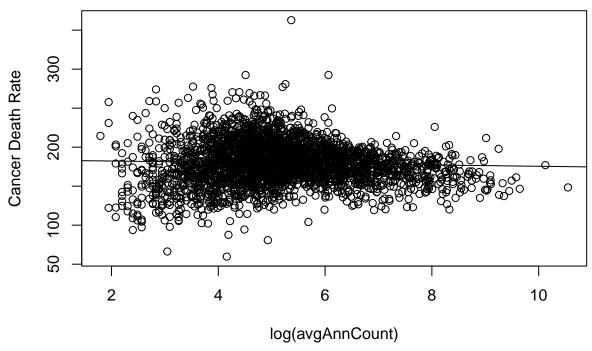
#### ## [1] -0.2241446

There is a small negative correlation between the log(avgAnnCount) and the percentage of population with public health insurance coverage, in a very close magnitude to the positive correlation encountered with the private health insurance coverage. We have seen before that, in terms of death rate, these two types of health insurance coverage have opposite behaviors. That being said, even if it is a small correlation, the fact that it presents itself in opposite ways and in similar magnitude to public and private health insurance coverage, just like death rates, indicates that we should dig deeper to check if the log(avgAnnCount) has a stronger positive correlation with death rate.

#### Death Rate

plot(log(cancer.df\$avgAnnCount),cancer.df\$deathRate, ylab = "Cancer Death Rate", xlab="log(avgAnnCount)
abline(lm(cancer.df\$deathRate[!is.na(cancer.df\$avgAnnCount)] ~ log(cancer.df\$avgAnnCount[!is.na(cancer.df\$avgAnnCount)]

## Death Rate vs log(avgAnnCount)

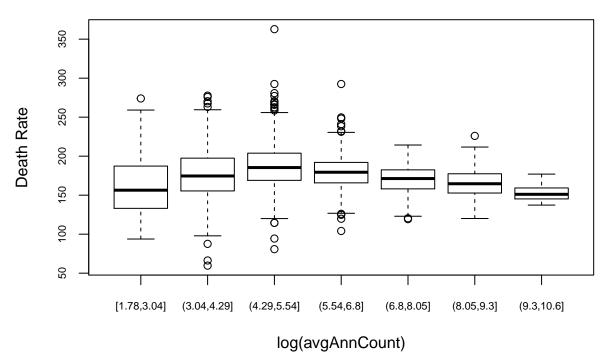


```
cor(log(cancer.df$avgAnnCount),cancer.df$deathRate, use = "complete.obs")
```

## [1] -0.04059046

At first sight, by just analyzing these charts and the correlation, it seems as we don't have much of a relation between these two variables. However, since they presented the same opposite behavior with public and private health insurance coverage, we want to take a deeper look into what might be going on.

### Death Rate for different levels of incidence rate



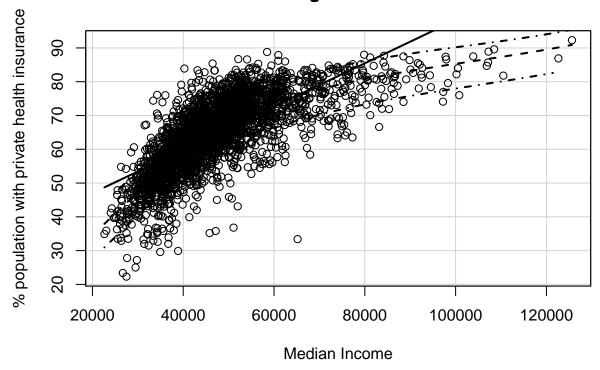
With this visualization it seems as the incidence has a positive correlation with the death rate up to a certain point. But passed that threshold (4.29, 5.54], the correlation becomes negative. One possible interpretation we had is that after a certain number of cancer reported cases, there is a more pressing need to invest in that disease, increasing the survival chances for those with it and, consequently, decreasing the death rates.

medIncome

Private Insurance Coverage

scatterplot(cancer.df\$medIncome,cancer.df\$PctPrivateCoverage, ylab = "% population with private health

### **Private Coverage vs Median Income**



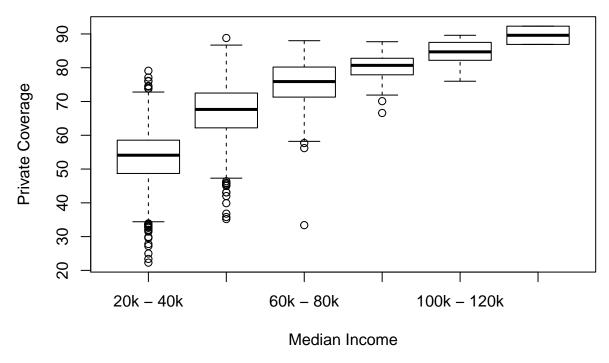
cor(cancer.df\$medIncome,cancer.df\$PctPrivateCoverage)

#### ## [1] 0.7241748

By the chart presented and the strong positive correlation we atest something probably intuitevely known: populations with higher income tend to have more private health insurance coverage. We can take a deeper look by analyzing boxplots for different levels of median income:

```
boxplot(cancer.df$PctPrivateCoverage ~ cut(cancer.df$medIncome, right=FALSE, seq(20000,140000,20000),lab
    main = "Private Coverage for different levels of income",
    xlab = "Median Income", ylab = "Private Coverage")
```

# **Private Coverage for different levels of income**

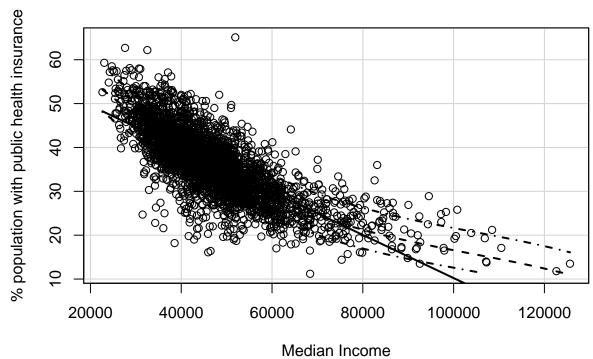


It confirms what we previously stated. There is a clear correlation between wealth and private health insurance coverage.

Public Insurance Coverage

scatterplot(cancer.df\$medIncome,cancer.df\$PctPublicCoverage, ylab = "% population with public health in

# **Public Coverage vs Median Income**



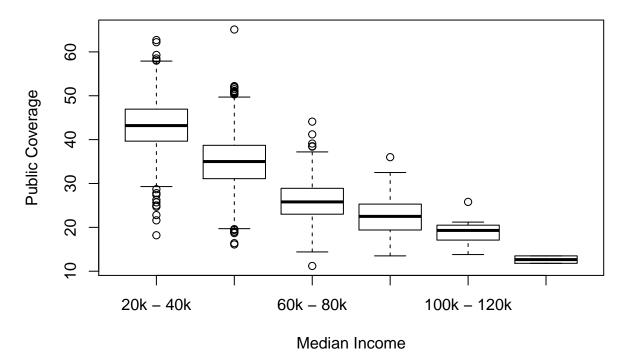
```
cor(cancer.df$medIncome,cancer.df$PctPublicCoverage)
```

```
## [1] -0.7548218
```

Similarly to what we have seen with the Private Health Insurance Coverage, there is a clear negative correlation between Public Health Insurance Coverage and the median income. That can be interpreted that populations with lower income tend to be more dependent on Public Health Insurance, probably because the Private option is not affordable. We can take a deeper look by analyzing boxplots for different levels of median income:

```
boxplot(cancer.df$PctPublicCoverage ~ cut(cancer.df$medIncome, right=FALSE,seq(20000,140000,20000),labe
    main = "Public Coverage for different levels of income",
    xlab = "Median Income", ylab = "Public Coverage")
```

## Public Coverage for different levels of income

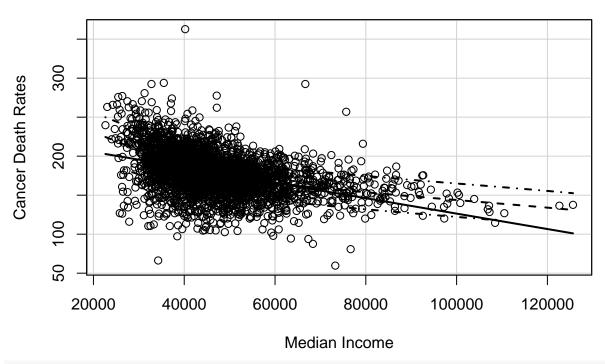


The boxplot only confirms what we have noticed before. For higher levels of income, the publich health insurance coverage is lower. That means this variable presents also presents the opposite behavior as death rates. The higher the median income, higher the private coverage and lower the public coverage. So we should probably check if there is a direct relation between the median income and death rates.

#### Death Rates

scatterplot(cancer.df\$medIncome,cancer.df\$deathRate, ylab = "Cancer Death Rates", xlab="Median Income";

### **Median Income vs Cancer Death Rates**



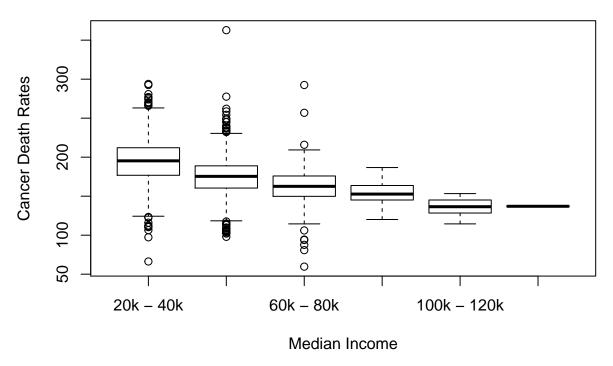
cor(cancer.df\$medIncome,cancer.df\$deathRate)

## [1] -0.4286149

We see that there is a stronger negative correlation between median income and death rates than private health insurance coverage and death rates, which may lead us to the hypothesis that actually socieconomic factors have more to do with death rates than the percent coverage by type of health insurance itself. Taking a deeper look by analyzing the boxplot by levels of median income may provide us with better insights

```
boxplot(cancer.df$deathRate ~ cut(cancer.df$medIncome, right=FALSE,seq(20000,140000,20000),labels = c("
    main = "Cancer Death Rates for different levels of income",
    xlab = "Median Income", ylab = "Cancer Death Rates")
```

## **Cancer Death Rates for different levels of income**



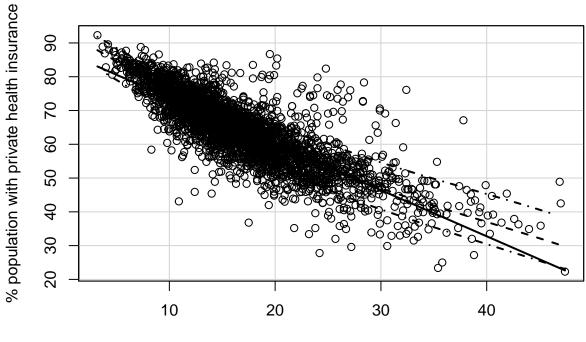
It seems to confirm our hypothesis, however, taking a deeper look into another socieconomic variable might strenghten our hypothesis.

povertyPercent

Private Insurance Coverage

scatterplot(cancer.df\$povertyPercent,cancer.df\$PctPrivateCoverage, ylab = "% population with private he

### **Private Coverage vs Poverty Percent**



% Population below poverty line

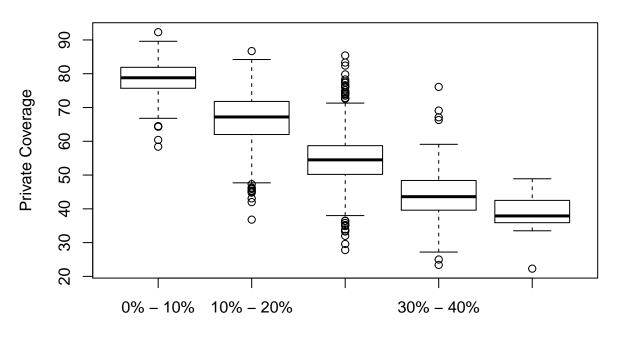
cor(cancer.df\$povertyPercent,cancer.df\$PctPrivateCoverage)

## [1] -0.8225343

The strongest relation we have encountered so far, we see that populations with higher percentage below poverty line tend to have less private health insurance coverage, the opposite behavior to the median income variable. Taking a look into boxplots provides us with a indicative of validity of such hypothesis:

```
boxplot(cancer.df$PctPrivateCoverage ~ cut(cancer.df$povertyPercent, right=FALSE,seq(0,50,10),labels =
    main = "Private Coverage for different levels of poverty percent",
    xlab = "% Population below poverty line", ylab = "Private Coverage")
```

## **Private Coverage for different levels of poverty percent**



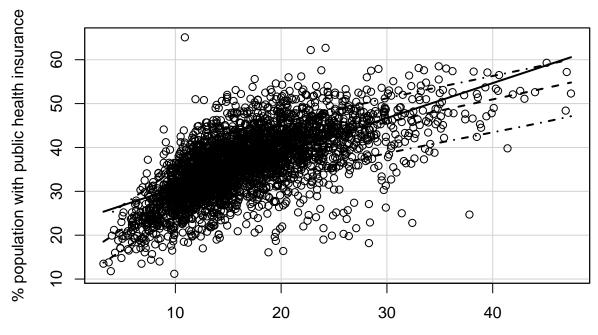
% Population below poverty line

As expected, it presents an opposite behavior to median income. In this case, higher the poverty (and lower the income, as we previously saw), the lower private health insurance coverage.

Public Insurance Coverage

scatterplot(cancer.df\$povertyPercent,cancer.df\$PctPublicCoverage, ylab = "% population with public heal

# **Public Coverage vs Poverty Percent**



% Population below poverty line

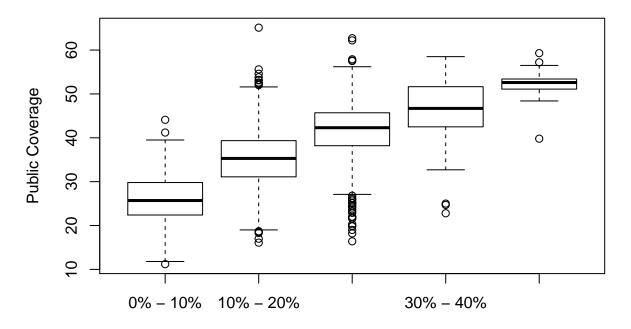
```
cor(cancer.df$povertyPercent,cancer.df$PctPublicCoverage)
```

```
## [1] 0.6511621
```

As expected by our previous analysis, the higher the poverty, more people rely on public health insurance. A deeper look into the levels of poverty vs public health coverage might provide us with better insights:

```
boxplot(cancer.df$PctPublicCoverage ~ cut(cancer.df$povertyPercent, right=FALSE, seq(0,50,10), labels = c
    main = "Public Coverage for different levels of poverty percent",
    xlab = "% Population below poverty line", ylab = "Public Coverage")
```

### Public Coverage for different levels of poverty percent



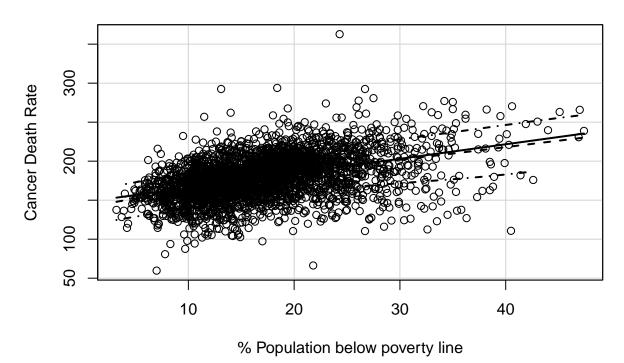
% Population below poverty line

While analyzing the median income, we formulated the hypothesis that maybe the death rate is driven more due to socio-economic factors than to the percentage by type of health insurance coverage. We might confirm that by analyzing also the direct relation between death rate and poverty percent, with the result strenghtening or weakening this hypothesis.

#### deathRate

scatterplot(cancer.df\$povertyPercent,cancer.df\$deathRate, ylab = "Cancer Death Rate", xlab="% Population

### **Cancer Death Rate vs Poverty Percent**

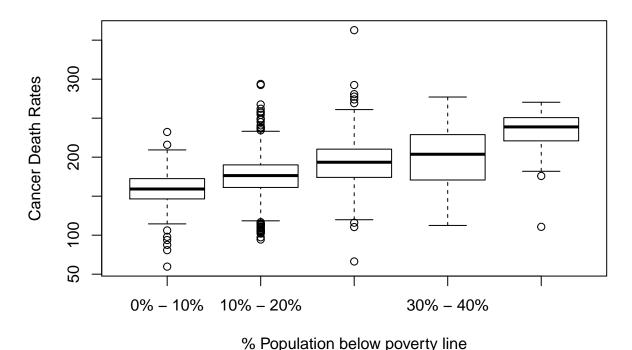


cor(cancer.df\$povertyPercent,cancer.df\$deathRate)

## [1] 0.429389

At first glance, we get a stronger positive relation of death rates and poverty percent than death rates and public health insurance coverage and death rates, indicating that we might be on the right track. To be more sure of it, we can make use of a boxplot by levels of poverty:

### Cancer Death Rates for different levels of poverty percent



That all seems to confirm what we have seen analyzing the median income vs the death rates. Higher income / Lower poverty counties tend to have lower death rates.

Conclusion: insurance coverage per ce doesn't improve cancer mortality rates, however, better social economic conditions seems to do so

- 1. The opposite behavior of public health insurance coverage and private health insurance coverage to the death rates are most likely due to an underlying factor: social economic conditions.
- 2. Higher income populations tend to have lower cancer death rates, and with more money, more access to private health insurance.
- 3. Populations with higher percentage of poverty tend to have higher cancer death rates, and poverty conditions limitate the access to private health insurance coverage, being more dependent on the public alternative.
- 4. Therefore, there is stronger evidence that social economic factors (income, poverty) are stronger factors in explaining the cancer death rates than health insurance per ce, being that the coverage by type of health insurance is also probably affected by these factors, explaining their opposite behaviors with death rates.