

# Project Proposal

US Covid 19 cases tracking, management and analysis

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```
library(tidyverse)
library(modelr)

# Load data
df <- read_csv("C:/Users/clmah/cmu_datasci_cool_team_repo/time_series_covid19_confirmed_US.csv")
```

## About this dataset

This data set was obtained from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University. The data sources used to build this data set include the World Health Organization (WHO), the European Centre for Disease Prevention and Control (ECDC), different US data sources per the state (eg. the Colorado Department of Public Health and Environment).

We'll be working with one of the daily time series summary data sets regarding confirmed cases in the US ("time\_series\_covid19\_confirmed\_US.csv"). This data is a compilation of daily case reports, also available in the given repository. This is the data structure of the chosen data set:

```
## Data structure
#UID          : num [1:3342] Registry ID
#iso2         : chr [1:3342] US (country code ISO2)
#iso3         : chr [1:3342] USA (country code ISO2)
#code3        : num [1:3342] USA country code
#FIPS         : num [1:3342] 1001 1003 1005 1007 1009 ...
#Admin2       : chr [1:3342] US county, like "Autauga" "Baldwin" ...
#Province_State : chr [1:3342] US State like "Alabama" "Alaska" "Arizona"
#Country_Region : chr [1:3342] "US"
#Lat          : num [1:3342] 32.5 30.7 31.9 33 34 ... ()
#Long_        : num [1:3342] -86.6 -87.7 -85.4 -87.1 -86.6 ...
#Combined_Key  : chr [1:3342] "Autauga, Alabama, US" "Baldwin, Alabama, US" "Barbour, Alabama, US" "Bib
#1/22/20       : num [1:3342] Number of cases
```

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The data set is available as “COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University” or “JHU CSSE COVID-19 Data” for short, and the url: <https://github.com/CSSEGISandData/COVID-19>.

## Research questions

When the covid 19 outbreak occurred in the United States, the proliferation of the disease advanced to a large extent, and some states recorded high levels of new COVID-19 hospital admissions in the week. Given the selected data set which provides daily confirmed cases per county/state, it is possible to ask about the counties and states with the highest number of confirmed cases over time, and also about the relationship that exists between the transmission of the disease and these possible hotspots.

The exploration of the data set and the previous questions brought us to the following hypothesis:

The geographic location, specifically latitude and longitude, is associated with the rate of COVID-19 transmission in the United States and some states and counties can be identified as transmission hotspots

Given this hypothesis we want to: 1. Explore the distribution of confirmed cases over time, examining trends and patterns. 2. Visualize the spatial distribution of confirmed cases using latitude and longitude information. 3. Examine correlations between geographic location (latitude and longitude) and the number of confirmed cases.

## Modeling:

Since we have daily counts of confirmed COVID-19 cases over time, a time series model would be more appropriate for this data set rather than a traditional linear regression model. The autoregressive integrated moving average (ARIMA) model is considered.

However, an additional linear regression model is considered to predict regarding the number of confirmed cases based on counties latitude and longitude.

```
# Preprocess the data
date_columns <- grep("^\\d{2}/\\d{2}/\\d{4}$", names(df), value = TRUE)
df[date_columns] <- lapply(df[date_columns], as.Date, format = "%m/%d/%Y")

# Convert the data to long format
long_data <- df %>%
  pivot_longer(cols = starts_with("1/22/20"), names_to = "Date", values_to = "Cases") %>%
  mutate(Date = as.Date(Date, format = "%m/%d/%Y"))

# Fit the model
model <- lm(Cases ~ Date + Province_State + Admin2, data = long_data)

summary(model)
```

```
##
## Call:
## lm(formula = Cases ~ Date + Province_State + Admin2, data = long_data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.47997 -0.00003  0.00000  0.00003  0.47997
```

```

##
## Coefficients: (1 not defined because of singularities)
##
## Estimate Std. Error t value
## (Intercept) -2.449e-04 1.992e-02 -0.012
## Date NA NA NA
## Province_StateAlaska 1.066e-03 1.402e-02 0.076
## Province_StateArizona 9.673e-04 1.231e-02 0.079
## Province_StateArkansas 7.853e-04 4.147e-03 0.189
## Province_StateCalifornia 3.143e-04 8.169e-03 0.038
## Province_StateColorado 1.666e-03 5.225e-03 0.319
## Province_StateConnecticut 7.918e-04 1.183e-02 0.067
## Province_StateDelaware 2.017e-04 1.274e-02 0.016
## Province_StateDistrict of Columbia 1.342e-03 1.962e-02 0.068
## Province_StateFlorida 2.471e-04 4.632e-03 0.053
## Province_StateGeorgia 1.784e-04 3.620e-03 0.049
## Province_StateHawaii 1.342e-03 1.962e-02 0.068
## Province_StateIdaho 1.738e-03 5.875e-03 0.296
## Province_StateIllinois 4.702e-04 3.798e-03 0.124
## Province_StateIndiana 5.638e-04 3.906e-03 0.144
## Province_StateIowa 3.947e-04 3.881e-03 0.102
## Province_StateKansas 5.657e-04 4.021e-03 0.141
## Province_StateKentucky 4.179e-04 3.802e-03 0.110
## Province_StateLouisiana 3.925e-04 5.229e-03 0.075
## Province_StateMaine 8.525e-04 7.412e-03 0.115
## Province_StateMaryland 2.840e-04 7.053e-03 0.040
## Province_StateMassachusetts 7.495e-04 8.068e-03 0.093
## Province_StateMichigan 4.818e-04 5.091e-03 0.095
## Province_StateMinnesota 1.362e-03 4.847e-03 0.281
## Province_StateMississippi 4.045e-04 4.097e-03 0.099
## Province_StateMissouri 6.803e-04 3.801e-03 0.179
## Province_StateMontana 9.973e-04 5.418e-03 0.184
## Province_StateNebraska 1.336e-03 4.216e-03 0.317
## Province_StateNevada 2.031e-03 8.449e-03 0.240
## Province_StateNew Hampshire 7.184e-04 9.663e-03 0.074
## Province_StateNew Jersey 3.418e-04 6.871e-03 0.050
## Province_StateNew Mexico 1.411e-03 6.986e-03 0.202
## Province_StateNew York 8.764e-04 4.709e-03 0.186
## Province_StateNorth Carolina 1.778e-04 4.351e-03 0.041
## Province_StateNorth Dakota 1.216e-03 5.552e-03 0.219
## Province_StateOhio 5.347e-04 4.064e-03 0.132
## Province_StateOklahoma 6.706e-04 4.675e-03 0.143
## Province_StateOregon 1.311e-03 5.509e-03 0.238
## Province_StatePennsylvania 6.018e-04 4.464e-03 0.135
## Province_StatePuerto Rico 4.322e-03 1.319e-02 0.328
## Province_StateRhode Island 3.164e-04 1.090e-02 0.029
## Province_StateSouth Carolina 2.449e-04 5.399e-03 0.045
## Province_StateSouth Dakota 6.928e-04 5.033e-03 0.138
## Province_StateTennessee 2.556e-04 3.853e-03 0.066
## Province_StateTexas -6.357e-03 3.718e-03 -1.710
## Province_StateUtah 2.051e-03 6.713e-03 0.306
## Province_StateVermont 7.252e-04 8.653e-03 0.084
## Province_StateVirginia 2.901e-04 4.268e-03 0.068
## Province_StateWashington 3.371e-02 5.826e-03 5.786
## Province_StateWest Virginia 6.322e-04 4.563e-03 0.139

```

## Province_StateWisconsin	1.289e-03	4.728e-03	0.273
## Province_StateWyoming	1.118e-03	7.030e-03	0.159
## Admin2Acadia	-1.476e-04	2.783e-02	-0.005
## Admin2Accomack	-4.524e-05	2.762e-02	-0.002
## Admin2Ada	-1.493e-03	2.797e-02	-0.053
## Admin2Adair	-2.960e-04	2.197e-02	-0.013
## Admin2Adams	-3.415e-03	2.050e-02	-0.167
## Admin2Addison	-4.803e-04	2.866e-02	-0.017
## Admin2Adjuntas	-4.077e-03	3.034e-02	-0.134
## Admin2Aguada	-4.077e-03	3.034e-02	-0.134
## Admin2Aguadilla	-4.077e-03	3.034e-02	-0.134
## Admin2Aguas Buenas	-4.077e-03	3.034e-02	-0.134
## Admin2Aibonito	-4.077e-03	3.034e-02	-0.134
## Admin2Aiken	1.912e-15	2.712e-02	0.000
## Admin2Aitkin	-1.117e-03	2.776e-02	-0.040
## Admin2Alachua	-2.258e-06	2.772e-02	0.000
## Admin2Alamance	6.709e-05	2.767e-02	0.002
## Admin2Alameda	-6.949e-05	2.853e-02	-0.002
## Admin2Alamosa	-1.421e-03	2.783e-02	-0.051
## Admin2Albany	-7.524e-04	2.421e-02	-0.031
## Admin2Albemarle	-4.524e-05	2.762e-02	-0.002
## Admin2Alcona	-2.370e-04	2.781e-02	-0.009
## Admin2Alcorn	-1.596e-04	2.766e-02	-0.006
## Admin2Aleutians East	-8.209e-04	3.070e-02	-0.027
## Admin2Aleutians West	-8.209e-04	3.070e-02	-0.027
## Admin2Alexander	-7.914e-05	2.400e-02	-0.003
## Admin2Alexandria	-4.524e-05	2.762e-02	-0.002
## Admin2Alfalfa	-4.258e-04	2.773e-02	-0.015
## Admin2Alger	-2.370e-04	2.781e-02	-0.009
## Admin2Allamakee	-1.498e-04	2.761e-02	-0.005
## Admin2Allegan	-2.370e-04	2.781e-02	-0.009
## Admin2Allegany	-3.354e-04	2.419e-02	-0.014
## Admin2Alleghany	1.093e-05	2.400e-02	0.000
## Admin2Allegheny	-3.570e-04	2.768e-02	-0.013
## Admin2Allen	-2.501e-04	2.154e-02	-0.012
## Admin2Allendale	1.915e-15	2.712e-02	0.000
## Admin2Alpena	-2.370e-04	2.781e-02	-0.009
## Admin2Alpine	-6.949e-05	2.853e-02	-0.002
## Admin2Amador	-6.949e-05	2.853e-02	-0.002
## Admin2Amelia	-4.524e-05	2.762e-02	-0.002
## Admin2Amherst	-4.524e-05	2.762e-02	-0.002
## Admin2Amite	-1.596e-04	2.766e-02	-0.006
## Admin2Anasco	-4.077e-03	3.034e-02	-0.134
## Admin2Anchorage	-8.209e-04	3.070e-02	-0.027
## Admin2Anderson	1.219e-03	2.134e-02	0.057
## Admin2Andrew	-4.355e-04	2.761e-02	-0.016
## Admin2Andrews	6.602e-03	2.759e-02	0.239
## Admin2Androscoggin	-6.077e-04	2.830e-02	-0.021
## Admin2Angelina	6.602e-03	2.759e-02	0.239
## Admin2Anne Arundel	-3.918e-05	2.818e-02	-0.001
## Admin2Anoka	-1.117e-03	2.776e-02	-0.040
## Admin2Anson	6.709e-05	2.767e-02	0.002
## Admin2Antelope	-1.091e-03	2.765e-02	-0.039
## Admin2Antrim	-2.370e-04	2.781e-02	-0.009

## Admin2Apache	-7.225e-04	2.997e-02	-0.024
## Admin2Appanoose	-1.498e-04	2.761e-02	-0.005
## Admin2Appling	6.642e-05	2.758e-02	0.002
## Admin2Appomattox	-4.524e-05	2.762e-02	-0.002
## Admin2Aransas	6.602e-03	2.759e-02	0.239
## Admin2Arapahoe	-1.421e-03	2.783e-02	-0.051
## Admin2Archer	6.602e-03	2.759e-02	0.239
## Admin2Archuleta	-1.421e-03	2.783e-02	-0.051
## Admin2Arecibo	-4.077e-03	3.034e-02	-0.134
## Admin2Arenac	-2.370e-04	2.781e-02	-0.009
## Admin2Arkansas	-5.404e-04	2.766e-02	-0.020
## Admin2Arlington	-4.524e-05	2.762e-02	-0.002
## Admin2Armstrong	3.122e-03	2.400e-02	0.130
## Admin2Aroostook	-6.077e-04	2.830e-02	-0.021
## Admin2Arroyo	-4.077e-03	3.034e-02	-0.134
## Admin2Arthur	-1.091e-03	2.765e-02	-0.039
## Admin2Ascension	-1.476e-04	2.783e-02	-0.005
## Admin2Ashe	6.709e-05	2.767e-02	0.002
## Admin2Ashland	-6.672e-04	2.403e-02	-0.028
## Admin2Ashley	-5.404e-04	2.766e-02	-0.020
## Admin2Ashtabula	-2.899e-04	2.763e-02	-0.010
## Admin2Asotin	-3.346e-02	2.795e-02	-1.197
## Admin2Assumption	-1.476e-04	2.783e-02	-0.005
## Admin2Atascosa	6.602e-03	2.759e-02	0.239
## Admin2Atchison	-3.782e-04	2.399e-02	-0.016
## Admin2Athens	-2.899e-04	2.763e-02	-0.010
## Admin2Atkinson	6.642e-05	2.758e-02	0.002
## Admin2Atlantic	-9.691e-05	2.816e-02	-0.003
## Admin2Atoka	-4.258e-04	2.773e-02	-0.015
## Admin2Attala	-1.596e-04	2.766e-02	-0.006
## Admin2Audrain	-4.355e-04	2.761e-02	-0.016
## Admin2Audubon	-1.498e-04	2.761e-02	-0.005
## Admin2Auglaize	-2.899e-04	2.763e-02	-0.010
## Admin2Augusta	-4.524e-05	2.762e-02	-0.002
## Admin2Aurora	-4.479e-04	2.779e-02	-0.016
## Admin2Austin	6.602e-03	2.759e-02	0.239
## Admin2Autauga	2.449e-04	2.765e-02	0.009
## Admin2Avery	6.709e-05	2.767e-02	0.002
## Admin2Avoyelles	-1.476e-04	2.783e-02	-0.005
## Admin2Baca	-1.421e-03	2.783e-02	-0.051
## Admin2Bacon	6.642e-05	2.758e-02	0.002
## Admin2Bailey	6.602e-03	2.759e-02	0.239
## Admin2Baker	-3.340e-04	2.270e-02	-0.015
## Admin2Baldwin	1.556e-04	2.399e-02	0.006
## Admin2Ballard	-1.730e-04	2.760e-02	-0.006
## Admin2Baltimore	-3.918e-05	2.818e-02	-0.001
## Admin2Baltimore City	-3.918e-05	2.818e-02	-0.001
## Admin2Bamberg	1.920e-15	2.712e-02	0.000
## Admin2Bandera	6.602e-03	2.759e-02	0.239
## Admin2Banks	6.642e-05	2.758e-02	0.002
## Admin2Banner	-1.091e-03	2.765e-02	-0.039
## Admin2Bannock	-1.493e-03	2.797e-02	-0.053
## Admin2Baraga	-2.370e-04	2.781e-02	-0.009
## Admin2Barber	-3.208e-04	2.762e-02	-0.012

## Admin2Barbour	-7.124e-05	2.402e-02	-0.003
## Admin2Barceloneta	-4.077e-03	3.034e-02	-0.134
## Admin2Barnes	-9.715e-04	2.788e-02	-0.035
## Admin2Barnstable	-5.047e-04	2.848e-02	-0.018
## Admin2Barnwell	1.908e-15	2.712e-02	0.000
## Admin2Barranquitas	-4.077e-03	3.034e-02	-0.134
## Admin2Barren	-1.730e-04	2.760e-02	-0.006
## Admin2Barron	-1.045e-03	2.773e-02	-0.038
## Admin2Barrow	6.642e-05	2.758e-02	0.002
## Admin2Barry	-3.362e-04	2.405e-02	-0.014
## Admin2Bartholomew	-3.189e-04	2.762e-02	-0.012
## Admin2Barton	-3.782e-04	2.399e-02	-0.016
## Admin2Bartow	6.642e-05	2.758e-02	0.002
## Admin2Bastrop	6.602e-03	2.759e-02	0.239
## Admin2Bates	-4.355e-04	2.761e-02	-0.016
## Admin2Bath	-1.091e-04	2.398e-02	-0.005
## Admin2Baxter	-5.404e-04	2.766e-02	-0.020
## Admin2Bay	-1.196e-04	2.408e-02	-0.005
## Admin2Bayamon	-4.077e-03	3.034e-02	-0.134
## Admin2Bayfield	-1.045e-03	2.773e-02	-0.038
## Admin2Baylor	6.602e-03	2.759e-02	0.239
## Admin2Beadle	-4.479e-04	2.779e-02	-0.016
## Admin2Bear Lake	-1.493e-03	2.797e-02	-0.053
## Admin2Bear River	-1.807e-03	2.815e-02	-0.064
## Admin2Beaufort	3.355e-05	2.365e-02	0.001
## Admin2Beauregard	-1.476e-04	2.783e-02	-0.005
## Admin2Beaver	-8.631e-04	2.276e-02	-0.038
## Admin2Beaverhead	-7.524e-04	2.786e-02	-0.027
## Admin2Becker	-1.117e-03	2.776e-02	-0.040
## Admin2Beckham	-4.258e-04	2.773e-02	-0.015
## Admin2Bedford	-1.377e-04	2.265e-02	-0.006
## Admin2Bee	6.602e-03	2.759e-02	0.239
## Admin2Belknap	-4.736e-04	2.898e-02	-0.016
## Admin2Bell	3.214e-03	2.398e-02	0.134
## Admin2Belmont	-2.899e-04	2.763e-02	-0.010
## Admin2Beltrami	-1.117e-03	2.776e-02	-0.040
## Admin2Ben Hill	6.642e-05	2.758e-02	0.002
## Admin2Benewah	-1.493e-03	2.797e-02	-0.053
## Admin2Bennett	-4.479e-04	2.779e-02	-0.016
## Admin2Bennington	-4.803e-04	2.866e-02	-0.017
## Admin2Benson	-9.715e-04	2.788e-02	-0.035
## Admin2Bent	-1.421e-03	2.783e-02	-0.051
## Admin2Benton	-4.140e-03	2.076e-02	-0.199
## Admin2Benzie	-2.370e-04	2.781e-02	-0.009
## Admin2Bergen	-9.691e-05	2.816e-02	-0.003
## Admin2Berkeley	-1.937e-04	2.366e-02	-0.008
## Admin2Berks	-3.570e-04	2.768e-02	-0.013
## Admin2Berkshire	-5.047e-04	2.848e-02	-0.018
## Admin2Bernalillo	-1.166e-03	2.821e-02	-0.041
## Admin2Berrien	-8.528e-05	2.403e-02	-0.004
## Admin2Bertie	6.709e-05	2.767e-02	0.002
## Admin2Bethel	-8.209e-04	3.070e-02	-0.027
## Admin2Bexar	6.602e-03	2.759e-02	0.239
## Admin2Bibb	1.556e-04	2.399e-02	0.006

## Admin2Bienville	-1.476e-04	2.783e-02	-0.005
## Admin2Big Horn	-8.129e-04	2.428e-02	-0.033
## Admin2Big Stone	-1.117e-03	2.776e-02	-0.040
## Admin2Billings	-9.715e-04	2.788e-02	-0.035
## Admin2Bingham	-1.493e-03	2.797e-02	-0.053
## Admin2Black Hawk	-1.498e-04	2.761e-02	-0.005
## Admin2Blackford	-3.189e-04	2.762e-02	-0.012
## Admin2Bladen	6.709e-05	2.767e-02	0.002
## Admin2Blaine	-9.406e-04	2.203e-02	-0.043
## Admin2Blair	-3.570e-04	2.768e-02	-0.013
## Admin2Blanco	6.602e-03	2.759e-02	0.239
## Admin2Bland	-4.524e-05	2.762e-02	-0.002
## Admin2Bleckley	6.642e-05	2.758e-02	0.002
## Admin2Bledsoe	-1.078e-05	2.761e-02	0.000
## Admin2Blount	1.170e-04	2.400e-02	0.005
## Admin2Blue Earth	-1.117e-03	2.776e-02	-0.040
## Admin2Boise	-1.493e-03	2.797e-02	-0.053
## Admin2Bolivar	-1.596e-04	2.766e-02	-0.006
## Admin2Bollinger	-4.355e-04	2.761e-02	-0.016
## Admin2Bon Homme	-4.479e-04	2.779e-02	-0.016
## Admin2Bond	-2.254e-04	2.760e-02	-0.008
## Admin2Bonner	-1.493e-03	2.797e-02	-0.053
## Admin2Bonneville	-1.493e-03	2.797e-02	-0.053
## Admin2Boone	-4.152e-04	2.087e-02	-0.020
## Admin2Borden	6.602e-03	2.759e-02	0.239
## Admin2Bosque	6.602e-03	2.759e-02	0.239
## Admin2Bossier	-1.476e-04	2.783e-02	-0.005
## Admin2Botetourt	-4.524e-05	2.762e-02	-0.002
## Admin2Bottineau	-9.715e-04	2.788e-02	-0.035
## Admin2Boulder	-1.421e-03	2.783e-02	-0.051
## Admin2Boundary	-1.493e-03	2.797e-02	-0.053
## Admin2Bourbon	-2.469e-04	2.399e-02	-0.010
## Admin2Bowie	6.602e-03	2.759e-02	0.239
## Admin2Bowman	-9.715e-04	2.788e-02	-0.035
## Admin2Box Butte	-1.091e-03	2.765e-02	-0.039
## Admin2Box Elder	-1.807e-03	2.815e-02	-0.064
## Admin2Boyd	-6.320e-04	2.400e-02	-0.026
## Admin2Boyle	-1.730e-04	2.760e-02	-0.006
## Admin2Bracken	-1.730e-04	2.760e-02	-0.006
## Admin2Bradford	-1.796e-04	2.404e-02	-0.007
## Admin2Bradley	-2.756e-04	2.400e-02	-0.011
## Admin2Branch	-2.370e-04	2.781e-02	-0.009
## Admin2Brantley	6.642e-05	2.758e-02	0.002
## Admin2Braxton	-3.873e-04	2.771e-02	-0.014
## Admin2Brazoria	6.602e-03	2.759e-02	0.239
## Admin2Brazos	6.602e-03	2.759e-02	0.239
## Admin2Breathitt	-1.730e-04	2.760e-02	-0.006
## Admin2Breckinridge	-1.730e-04	2.760e-02	-0.006
## Admin2Bremer	-1.498e-04	2.761e-02	-0.005
## Admin2Brevard	-2.258e-06	2.772e-02	0.000
## Admin2Brewster	6.602e-03	2.759e-02	0.239
## Admin2Briscoe	6.602e-03	2.759e-02	0.239
## Admin2Bristol	-2.072e-04	2.305e-02	-0.009
## Admin2Bristol Bay	-8.209e-04	3.070e-02	-0.027

## Admin2Bristol Bay plus Lake and Peninsula	-8.209e-04	3.070e-02	-0.027
## Admin2Broadwater	-7.524e-04	2.786e-02	-0.027
## Admin2Bronx	-6.316e-04	2.774e-02	-0.023
## Admin2Brooke	-3.873e-04	2.771e-02	-0.014
## Admin2Brookings	-4.479e-04	2.779e-02	-0.016
## Admin2Brooks	3.334e-03	2.397e-02	0.139
## Admin2Broome	-6.316e-04	2.774e-02	-0.023
## Admin2Broomfield	-1.421e-03	2.783e-02	-0.051
## Admin2Broward	-2.258e-06	2.772e-02	0.000
## Admin2Brown	1.940e-04	2.075e-02	0.009
## Admin2Brule	-4.479e-04	2.779e-02	-0.016
## Admin2Brunswick	1.093e-05	2.400e-02	0.000
## Admin2Bryan	-1.797e-04	2.401e-02	-0.007
## Admin2Buchanan	-2.102e-04	2.264e-02	-0.009
## Admin2Buckingham	-4.524e-05	2.762e-02	-0.002
## Admin2Bucks	-3.570e-04	2.768e-02	-0.013
## Admin2Buena Vista	-9.753e-05	2.398e-02	-0.004
## Admin2Buffalo	-8.612e-04	2.271e-02	-0.038
## Admin2Bullitt	-1.730e-04	2.760e-02	-0.006
## Admin2Bulloch	6.642e-05	2.758e-02	0.002
## Admin2Bullock	2.449e-04	2.765e-02	0.009
## Admin2Buncombe	6.709e-05	2.767e-02	0.002
## Admin2Bureau	-2.254e-04	2.760e-02	-0.008
## Admin2Burke	-2.793e-04	2.269e-02	-0.012
## Admin2Burleigh	-9.715e-04	2.788e-02	-0.035
## Admin2Burleson	6.602e-03	2.759e-02	0.239
## Admin2Burlington	-9.691e-05	2.816e-02	-0.003
## Admin2Burnet	6.602e-03	2.759e-02	0.239
## Admin2Burnett	-1.045e-03	2.773e-02	-0.038
## Admin2Burt	-1.091e-03	2.765e-02	-0.039
## Admin2Butler	-3.215e-04	2.086e-02	-0.015
## Admin2Butte	-6.702e-04	2.287e-02	-0.029
## Admin2Butts	6.642e-05	2.758e-02	0.002
## Admin2Cabarrus	6.709e-05	2.767e-02	0.002
## Admin2Cabell	-3.873e-04	2.771e-02	-0.014
## Admin2Cabo Rojo	-4.077e-03	3.034e-02	-0.134
## Admin2Cache	-1.807e-03	2.815e-02	-0.064
## Admin2Caddo	-2.867e-04	2.409e-02	-0.012
## Admin2Caguas	-4.077e-03	3.034e-02	-0.134
## Admin2Calaveras	-6.949e-05	2.853e-02	-0.002
## Admin2Calcasieu	-1.476e-04	2.783e-02	-0.005
## Admin2Caldwell	1.183e-03	2.154e-02	0.055
## Admin2Caledonia	-4.803e-04	2.866e-02	-0.017
## Admin2Calhoun	4.737e-04	2.047e-02	0.023
## Admin2Callahan	6.602e-03	2.759e-02	0.239
## Admin2Callaway	-4.355e-04	2.761e-02	-0.016
## Admin2Calloway	-1.730e-04	2.760e-02	-0.006
## Admin2Calumet	-1.045e-03	2.773e-02	-0.038
## Admin2Calvert	-3.918e-05	2.818e-02	-0.001
## Admin2Camas	-1.493e-03	2.797e-02	-0.053
## Admin2Cambria	-3.570e-04	2.768e-02	-0.013
## Admin2Camden	-9.972e-05	2.199e-02	-0.005
## Admin2Cameron	2.032e-03	2.269e-02	0.090
## Admin2Camp	6.602e-03	2.759e-02	0.239



## Admin2Campbell	-3.100e-04	2.156e-02	-0.014
## Admin2Camuy	-4.077e-03	3.034e-02	-0.134
## Admin2Canadian	-4.258e-04	2.773e-02	-0.015
## Admin2Candler	6.642e-05	2.758e-02	0.002
## Admin2Cannon	-1.078e-05	2.761e-02	0.000
## Admin2Canovanas	-4.077e-03	3.034e-02	-0.134
## Admin2Canyon	-1.493e-03	2.797e-02	-0.053
## Admin2Cape Girardeau	-4.355e-04	2.761e-02	-0.016
## Admin2Cape May	-9.691e-05	2.816e-02	-0.003
## Admin2Carbon	-9.473e-04	2.209e-02	-0.043
## Admin2Caribou	-1.493e-03	2.797e-02	-0.053
## Admin2Carlisle	-1.730e-04	2.760e-02	-0.006
## Admin2Carlton	-1.117e-03	2.776e-02	-0.040
## Admin2Carolina	-4.077e-03	3.034e-02	-0.134
## Admin2Caroline	-4.221e-05	2.415e-02	-0.002
## Admin2Carroll	-2.150e-04	2.044e-02	-0.011
## Admin2Carson	6.602e-03	2.759e-02	0.239
## Admin2Carson City	-1.786e-03	2.861e-02	-0.062
## Admin2Carter	-3.595e-04	2.155e-02	-0.017
## Admin2Carteret	6.709e-05	2.767e-02	0.002
## Admin2Carver	-1.117e-03	2.776e-02	-0.040
## Admin2Cascade	-7.524e-04	2.786e-02	-0.027
## Admin2Casey	-1.730e-04	2.760e-02	-0.006
## Admin2Cass	2.284e-04	2.075e-02	0.011
## Admin2Cassia	-1.493e-03	2.797e-02	-0.053
## Admin2Castro	6.602e-03	2.759e-02	0.239
## Admin2Caswell	6.709e-05	2.767e-02	0.002
## Admin2Catahoula	-1.476e-04	2.783e-02	-0.005
## Admin2Catano	-4.077e-03	3.034e-02	-0.134
## Admin2Catawba	6.709e-05	2.767e-02	0.002
## Admin2Catoosa	6.642e-05	2.758e-02	0.002
## Admin2Catron	-1.166e-03	2.821e-02	-0.041
## Admin2Cattaraugus	-6.316e-04	2.774e-02	-0.023
## Admin2Cavalier	-9.715e-04	2.788e-02	-0.035
## Admin2Cayey	-4.077e-03	3.034e-02	-0.134
## Admin2Cayuga	-6.316e-04	2.774e-02	-0.023
## Admin2Cecil	-3.918e-05	2.818e-02	-0.001
## Admin2Cedar	-5.588e-04	2.266e-02	-0.025
## Admin2Ceiba	-4.077e-03	3.034e-02	-0.134
## Admin2Central Utah	-1.807e-03	2.815e-02	-0.064
## Admin2Centre	-3.570e-04	2.768e-02	-0.013
## Admin2Cerro Gordo	-1.498e-04	2.761e-02	-0.005
## Admin2Chaffee	-1.421e-03	2.783e-02	-0.051
## Admin2Chambers	3.423e-03	2.399e-02	0.143
## Admin2Champaign	-2.576e-04	2.399e-02	-0.011
## Admin2Chariton	-4.355e-04	2.761e-02	-0.016
## Admin2Charles	-3.918e-05	2.818e-02	-0.001
## Admin2Charles City	-4.524e-05	2.762e-02	-0.002
## Admin2Charles Mix	-4.479e-04	2.779e-02	-0.016
## Admin2Charleston	1.918e-15	2.712e-02	0.000
## Admin2Charlevoix	-2.370e-04	2.781e-02	-0.009
## Admin2Charlotte	-2.375e-05	2.401e-02	-0.001
## Admin2Charlottesville	-4.524e-05	2.762e-02	-0.002
## Admin2Charlton	6.642e-05	2.758e-02	0.002

## Admin2Chase	-7.059e-04	2.401e-02	-0.029
## Admin2Chatham	6.675e-05	2.399e-02	0.003
## Admin2Chattahoochee	6.642e-05	2.758e-02	0.002
## Admin2Chattooga	6.642e-05	2.758e-02	0.002
## Admin2Chautauqua	-4.762e-04	2.403e-02	-0.020
## Admin2Chaves	-1.166e-03	2.821e-02	-0.041
## Admin2Cheatham	-1.078e-05	2.761e-02	0.000
## Admin2Cheboygan	-2.370e-04	2.781e-02	-0.009
## Admin2Chelan	-3.346e-02	2.795e-02	-1.197
## Admin2Chemung	-6.316e-04	2.774e-02	-0.023
## Admin2Chenango	-6.316e-04	2.774e-02	-0.023
## Admin2Cherokee	7.605e-04	2.074e-02	0.037
## Admin2Cherry	-1.091e-03	2.765e-02	-0.039
## Admin2Chesapeake	-4.524e-05	2.762e-02	-0.002
## Admin2Cheshire	-4.736e-04	2.898e-02	-0.016
## Admin2Chester	-1.226e-04	2.239e-02	-0.005
## Admin2Chesterfield	-2.262e-05	2.363e-02	-0.001
## Admin2Cheyenne	-9.442e-04	2.270e-02	-0.042
## Admin2Chickasaw	-1.547e-04	2.400e-02	-0.006
## Admin2Chicot	-5.404e-04	2.766e-02	-0.020
## Admin2Childress	6.602e-03	2.759e-02	0.239
## Admin2Chilton	2.449e-04	2.765e-02	0.009
## Admin2Chippewa	-7.995e-04	2.272e-02	-0.035
## Admin2Chisago	-1.117e-03	2.776e-02	-0.040
## Admin2Chittenden	-4.803e-04	2.866e-02	-0.017
## Admin2Choctaw	-1.135e-04	2.268e-02	-0.005
## Admin2Chouteau	-7.524e-04	2.786e-02	-0.027
## Admin2Chowan	6.709e-05	2.767e-02	0.002
## Admin2Christian	-2.780e-04	2.265e-02	-0.012
## Admin2Chugach	-8.209e-04	3.070e-02	-0.027
## Admin2Churchill	-1.786e-03	2.861e-02	-0.062
## Admin2Ciales	-4.077e-03	3.034e-02	-0.134
## Admin2Cibola	-1.166e-03	2.821e-02	-0.041
## Admin2Cidra	-4.077e-03	3.034e-02	-0.134
## Admin2Cimarron	-4.258e-04	2.773e-02	-0.015
## Admin2Citrus	-2.258e-06	2.772e-02	0.000
## Admin2Clackamas	-1.066e-03	2.788e-02	-0.038
## Admin2Claiborne	-1.060e-04	2.269e-02	-0.005
## Admin2Clallam	-3.346e-02	2.795e-02	-1.197
## Admin2Clare	-2.370e-04	2.781e-02	-0.009
## Admin2Clarendon	1.934e-15	2.712e-02	0.000
## Admin2Clarion	-3.570e-04	2.768e-02	-0.013
## Admin2Clark	-3.378e-03	2.051e-02	-0.165
## Admin2Clarke	-8.681e-06	2.152e-02	0.000
## Admin2Clatsop	-1.066e-03	2.788e-02	-0.038
## Admin2Clay	8.891e-05	2.023e-02	0.004
## Admin2Clayton	-4.170e-05	2.397e-02	-0.002
## Admin2Clear Creek	-1.421e-03	2.783e-02	-0.051
## Admin2Clearfield	-3.570e-04	2.768e-02	-0.013
## Admin2Clearwater	-1.305e-03	2.415e-02	-0.054
## Admin2Cleburne	-1.478e-04	2.401e-02	-0.006
## Admin2Clermont	-2.899e-04	2.763e-02	-0.010
## Admin2Cleveland	-2.997e-04	2.268e-02	-0.013
## Admin2Clinch	6.642e-05	2.758e-02	0.002

## Admin2Clinton	-3.131e-04	2.075e-02	-0.015
## Admin2Cloud	-3.208e-04	2.762e-02	-0.012
## Admin2Coahoma	-1.596e-04	2.766e-02	-0.006
## Admin2Coal	-4.258e-04	2.773e-02	-0.015
## Admin2Coamo	-4.077e-03	3.034e-02	-0.134
## Admin2Cobb	6.642e-05	2.758e-02	0.002
## Admin2Cochise	-7.225e-04	2.997e-02	-0.024
## Admin2Cochran	6.602e-03	2.759e-02	0.239
## Admin2Cocke	-1.078e-05	2.761e-02	0.000
## Admin2Coconino	-7.225e-04	2.997e-02	-0.024
## Admin2Codington	-4.479e-04	2.779e-02	-0.016
## Admin2Coffee	1.002e-04	2.265e-02	0.004
## Admin2Coffey	-3.208e-04	2.762e-02	-0.012
## Admin2Coke	6.602e-03	2.759e-02	0.239
## Admin2Colbert	2.449e-04	2.765e-02	0.009
## Admin2Cole	-4.355e-04	2.761e-02	-0.016
## Admin2Coleman	6.602e-03	2.759e-02	0.239
## Admin2Coles	-2.254e-04	2.760e-02	-0.008
## Admin2Colfax	-1.128e-03	2.418e-02	-0.047
## Admin2Colleton	1.915e-15	2.712e-02	0.000
## Admin2Collier	-2.258e-06	2.772e-02	0.000
## Admin2Collin	6.602e-03	2.759e-02	0.239
## Admin2Collingsworth	6.602e-03	2.759e-02	0.239
## Admin2Colonial Heights	-4.524e-05	2.762e-02	-0.002
## Admin2Colorado	6.602e-03	2.759e-02	0.239
## Admin2Colquitt	6.642e-05	2.758e-02	0.002
## Admin2Columbia	-4.630e-03	2.088e-02	-0.222
## Admin2Columbiana	-2.899e-04	2.763e-02	-0.010
## Admin2Columbus	6.709e-05	2.767e-02	0.002
## Admin2Colusa	-6.949e-05	2.853e-02	-0.002
## Admin2Comal	6.602e-03	2.759e-02	0.239
## Admin2Comanche	1.952e-03	2.267e-02	0.086
## Admin2Comerio	-4.077e-03	3.034e-02	-0.134
## Admin2Concho	6.602e-03	2.759e-02	0.239
## Admin2Concordia	-1.476e-04	2.783e-02	-0.005
## Admin2Conecuh	2.449e-04	2.765e-02	0.009
## Admin2Conejos	-1.421e-03	2.783e-02	-0.051
## Admin2Contra Costa	-6.949e-05	2.853e-02	-0.002
## Admin2Converse	-8.733e-04	2.822e-02	-0.031
## Admin2Conway	-5.404e-04	2.766e-02	-0.020
## Admin2Cook	-4.253e-04	2.267e-02	-0.019
## Admin2Cooke	6.602e-03	2.759e-02	0.239
## Admin2Cooper	-4.355e-04	2.761e-02	-0.016
## Admin2Coos	-7.699e-04	2.449e-02	-0.031
## Admin2Coosa	2.449e-04	2.765e-02	0.009
## Admin2Copiah	-1.596e-04	2.766e-02	-0.006
## Admin2Copper River	-8.209e-04	3.070e-02	-0.027
## Admin2Corozal	-4.077e-03	3.034e-02	-0.134
## Admin2Corson	-4.479e-04	2.779e-02	-0.016
## Admin2Cortland	-6.316e-04	2.774e-02	-0.023
## Admin2Coryell	6.602e-03	2.759e-02	0.239
## Admin2Coshocton	-2.899e-04	2.763e-02	-0.010
## Admin2Costilla	-1.421e-03	2.783e-02	-0.051
## Admin2Cottle	6.602e-03	2.759e-02	0.239

## Admin2Cotton	-4.258e-04	2.773e-02	-0.015
## Admin2Cottonwood	-1.117e-03	2.776e-02	-0.040
## Admin2Covington	1.333e-05	2.265e-02	0.001
## Admin2Coweta	6.642e-05	2.758e-02	0.002
## Admin2Cowley	-3.208e-04	2.762e-02	-0.012
## Admin2Cowlitz	-3.346e-02	2.795e-02	-1.197
## Admin2Craig	-2.355e-04	2.401e-02	-0.010
## Admin2Craighead	-5.404e-04	2.766e-02	-0.020
## Admin2Crane	6.602e-03	2.759e-02	0.239
## Admin2Craven	6.709e-05	2.767e-02	0.002
## Admin2Crawford	-3.503e-04	2.056e-02	-0.017
## Admin2Creek	-4.258e-04	2.773e-02	-0.015
## Admin2Crenshaw	2.449e-04	2.765e-02	0.009
## Admin2Crisp	6.642e-05	2.758e-02	0.002
## Admin2Crittenden	-3.567e-04	2.400e-02	-0.015
## Admin2Crockett	3.295e-03	2.398e-02	0.137
## Admin2Crook	-9.697e-04	2.426e-02	-0.040
## Admin2Crosby	6.602e-03	2.759e-02	0.239
## Admin2Cross	-5.404e-04	2.766e-02	-0.020
## Admin2Crow Wing	-1.117e-03	2.776e-02	-0.040
## Admin2Crowley	-1.421e-03	2.783e-02	-0.051
## Admin2Culberson	6.602e-03	2.759e-02	0.239
## Admin2Culebra	-4.077e-03	3.034e-02	-0.134
## Admin2Cullman	2.449e-04	2.765e-02	0.009
## Admin2Culpeper	-4.524e-05	2.762e-02	-0.002
## Admin2Cumberland	-1.811e-04	2.088e-02	-0.009
## Admin2Cumming	-1.091e-03	2.765e-02	-0.039
## Admin2Currituck	6.709e-05	2.767e-02	0.002
## Admin2Curry	-1.116e-03	2.425e-02	-0.046
## Admin2Custer	-9.385e-04	2.129e-02	-0.044
## Admin2Cuyahoga	-2.899e-04	2.763e-02	-0.010
## Admin2Dade	-1.845e-04	2.397e-02	-0.008
## Admin2Daggett	-1.807e-03	2.815e-02	-0.064
## Admin2Dakota	-1.104e-03	2.405e-02	-0.046
## Admin2Dale	2.449e-04	2.765e-02	0.009
## Admin2Dallam	6.602e-03	2.759e-02	0.239
## Admin2Dallas	1.144e-03	2.153e-02	0.053
## Admin2Dane	-1.045e-03	2.773e-02	-0.038
## Admin2Daniels	-7.524e-04	2.786e-02	-0.027
## Admin2Danville	-4.524e-05	2.762e-02	-0.002
## Admin2Dare	6.709e-05	2.767e-02	0.002
## Admin2Darke	-2.899e-04	2.763e-02	-0.010
## Admin2Darlington	1.918e-15	2.712e-02	0.000
## Admin2Dauphin	-3.570e-04	2.768e-02	-0.013
## Admin2Davidson	2.816e-05	2.400e-02	0.001
## Admin2Davie	6.709e-05	2.767e-02	0.002
## Admin2Daviess	-3.091e-04	2.266e-02	-0.014
## Admin2Davis	-9.782e-04	2.415e-02	-0.041
## Admin2Davison	-4.479e-04	2.779e-02	-0.016
## Admin2Dawes	-1.091e-03	2.765e-02	-0.039
## Admin2Dawson	1.206e-03	2.197e-02	0.055
## Admin2Day	-4.479e-04	2.779e-02	-0.016
## Admin2De Baca	-1.166e-03	2.821e-02	-0.041
## Admin2De Soto	-1.476e-04	2.783e-02	-0.005

## Admin2De Witt	-2.254e-04	2.760e-02	-0.008
## Admin2Deaf Smith	6.602e-03	2.759e-02	0.239
## Admin2Dearborn	-3.189e-04	2.762e-02	-0.012
## Admin2Decatur	-1.468e-04	2.152e-02	-0.007
## Admin2Deer Lodge	-7.524e-04	2.786e-02	-0.027
## Admin2Defiance	-2.899e-04	2.763e-02	-0.010
## Admin2DeKalb	-1.132e-04	2.123e-02	-0.005
## Admin2Del Norte	-6.949e-05	2.853e-02	-0.002
## Admin2Delaware	-3.622e-04	2.125e-02	-0.017
## Admin2Delta	1.648e-03	2.271e-02	0.073
## Admin2Denali	-8.209e-04	3.070e-02	-0.027
## Admin2Dent	-4.355e-04	2.761e-02	-0.016
## Admin2Denton	6.602e-03	2.759e-02	0.239
## Admin2Denver	-1.421e-03	2.783e-02	-0.051
## Admin2Des Moines	-1.498e-04	2.761e-02	-0.005
## Admin2Deschutes	-1.066e-03	2.788e-02	-0.038
## Admin2Desha	-5.404e-04	2.766e-02	-0.020
## Admin2DeSoto	-8.094e-05	2.403e-02	-0.003
## Admin2Deuel	-7.695e-04	2.406e-02	-0.032
## Admin2Dewey	-4.369e-04	2.409e-02	-0.018
## Admin2DeWitt	6.602e-03	2.759e-02	0.239
## Admin2Dickens	6.602e-03	2.759e-02	0.239
## Admin2Dickenson	-4.524e-05	2.762e-02	-0.002
## Admin2Dickey	-9.715e-04	2.788e-02	-0.035
## Admin2Dickinson	-2.359e-04	2.268e-02	-0.010
## Admin2Dickson	-1.078e-05	2.761e-02	0.000
## Admin2Dillingham	-8.209e-04	3.070e-02	-0.027
## Admin2Dillon	1.870e-15	2.712e-02	0.000
## Admin2Dimmit	6.602e-03	2.759e-02	0.239
## Admin2Dinwiddie	-4.524e-05	2.762e-02	-0.002
## Admin2District of Columbia	-1.097e-03	3.363e-02	-0.033
## Admin2Divide	-9.715e-04	2.788e-02	-0.035
## Admin2Dixie	-2.258e-06	2.772e-02	0.000
## Admin2Dixon	-1.091e-03	2.765e-02	-0.039
## Admin2Doddridge	-3.873e-04	2.771e-02	-0.014
## Admin2Dodge	-7.965e-04	2.198e-02	-0.036
## Admin2Dolores	-1.421e-03	2.783e-02	-0.051
## Admin2Dona Ana	-1.166e-03	2.821e-02	-0.041
## Admin2Doniphan	-3.208e-04	2.762e-02	-0.012
## Admin2Donley	6.602e-03	2.759e-02	0.239
## Admin2Dooly	6.642e-05	2.758e-02	0.002
## Admin2Door	-1.045e-03	2.773e-02	-0.038
## Admin2Dorado	-4.077e-03	3.034e-02	-0.134
## Admin2Dorchester	-1.959e-05	2.380e-02	-0.001
## Admin2Dougherty	6.642e-05	2.758e-02	0.002
## Admin2Douglas	-3.529e-03	2.051e-02	-0.172
## Admin2Drew	-5.404e-04	2.766e-02	-0.020
## Admin2Dubois	-3.189e-04	2.762e-02	-0.012
## Admin2Dubuque	-1.498e-04	2.761e-02	-0.005
## Admin2Duchesne	-1.807e-03	2.815e-02	-0.064
## Admin2Dukes	-5.047e-04	2.848e-02	-0.018
## Admin2Dukes and Nantucket	-5.047e-04	2.848e-02	-0.018
## Admin2Dundy	-1.091e-03	2.765e-02	-0.039
## Admin2Dunklin	-4.355e-04	2.761e-02	-0.016

## Admin2Dunn	-1.008e-03	2.410e-02	-0.042
## Admin2DuPage	-2.254e-04	2.760e-02	-0.008
## Admin2Duplin	6.709e-05	2.767e-02	0.002
## Admin2Durham	6.709e-05	2.767e-02	0.002
## Admin2Dutchess	-6.316e-04	2.774e-02	-0.023
## Admin2Duval	3.300e-03	2.401e-02	0.137
## Admin2Dyer	-1.078e-05	2.761e-02	0.000
## Admin2Eagle	-1.421e-03	2.783e-02	-0.051
## Admin2Early	6.642e-05	2.758e-02	0.002
## Admin2East Baton Rouge	-1.476e-04	2.783e-02	-0.005
## Admin2East Carroll	-1.476e-04	2.783e-02	-0.005
## Admin2East Feliciana	-1.476e-04	2.783e-02	-0.005
## Admin2Eastland	6.602e-03	2.759e-02	0.239
## Admin2Eaton	-2.370e-04	2.781e-02	-0.009
## Admin2Eau Claire	-1.045e-03	2.773e-02	-0.038
## Admin2Echols	6.642e-05	2.758e-02	0.002
## Admin2Ector	6.602e-03	2.759e-02	0.239
## Admin2Eddy	-1.069e-03	2.425e-02	-0.044
## Admin2Edgar	-2.254e-04	2.760e-02	-0.008
## Admin2Edgecombe	6.709e-05	2.767e-02	0.002
## Admin2Edgefield	1.880e-15	2.712e-02	0.000
## Admin2Edmonson	-1.730e-04	2.760e-02	-0.006
## Admin2Edmunds	-4.479e-04	2.779e-02	-0.016
## Admin2Edwards	2.019e-03	2.265e-02	0.089
## Admin2Effingham	-7.947e-05	2.397e-02	-0.003
## Admin2El Dorado	-6.949e-05	2.853e-02	-0.002
## Admin2El Paso	2.590e-03	2.405e-02	0.108
## Admin2Elbert	-6.772e-04	2.404e-02	-0.028
## Admin2Elk	-3.389e-04	2.401e-02	-0.014
## Admin2Elkhart	-3.189e-04	2.762e-02	-0.012
## Admin2Elko	-1.786e-03	2.861e-02	-0.062
## Admin2Elliott	-1.730e-04	2.760e-02	-0.006
## Admin2Ellis	1.952e-03	2.267e-02	0.086
## Admin2Ellsworth	-3.208e-04	2.762e-02	-0.012
## Admin2Elmore	-6.242e-04	2.410e-02	-0.026
## Admin2Emanuel	6.642e-05	2.758e-02	0.002
## Admin2Emery	-1.807e-03	2.815e-02	-0.064
## Admin2Emmet	-1.934e-04	2.405e-02	-0.008
## Admin2Emmons	-9.715e-04	2.788e-02	-0.035
## Admin2Emporia	-4.524e-05	2.762e-02	-0.002
## Admin2Erath	6.602e-03	2.759e-02	0.239
## Admin2Erie	-4.261e-04	2.268e-02	-0.019
## Admin2Escambia	1.213e-04	2.403e-02	0.005
## Admin2Esmeralda	-1.786e-03	2.861e-02	-0.062
## Admin2Essex	-3.517e-04	2.168e-02	-0.016
## Admin2Estill	-1.730e-04	2.760e-02	-0.006
## Admin2Etowah	2.449e-04	2.765e-02	0.009
## Admin2Eureka	-1.786e-03	2.861e-02	-0.062
## Admin2Evangeline	-1.476e-04	2.783e-02	-0.005
## Admin2Evans	6.642e-05	2.758e-02	0.002
## Admin2Fairbanks North Star	-8.209e-04	3.070e-02	-0.027
## Admin2Fairfax	-4.524e-05	2.762e-02	-0.002
## Admin2Fairfax City	-4.524e-05	2.762e-02	-0.002
## Admin2Fairfield	-2.789e-04	2.267e-02	-0.012

## Admin2Fajardo	-4.077e-03	3.034e-02	-0.134
## Admin2Fall River	-4.479e-04	2.779e-02	-0.016
## Admin2Fallon	-7.524e-04	2.786e-02	-0.027
## Admin2Falls	6.602e-03	2.759e-02	0.239
## Admin2Falls Church	-4.524e-05	2.762e-02	-0.002
## Admin2Fannin	3.334e-03	2.397e-02	0.139
## Admin2Faribault	-1.117e-03	2.776e-02	-0.040
## Admin2Faulk	-4.479e-04	2.779e-02	-0.016
## Admin2Faulkner	-5.404e-04	2.766e-02	-0.020
## Admin2Fauquier	-4.524e-05	2.762e-02	-0.002
## Admin2Fayette	4.546e-04	2.055e-02	0.022
## Admin2Federal Correctional Institution (FCI)	-2.370e-04	2.781e-02	-0.009
## Admin2Fentress	-1.078e-05	2.761e-02	0.000
## Admin2Fergus	-7.524e-04	2.786e-02	-0.027
## Admin2Ferry	-3.346e-02	2.795e-02	-1.197
## Admin2Fillmore	-1.104e-03	2.405e-02	-0.046
## Admin2Finney	-3.208e-04	2.762e-02	-0.012
## Admin2Fisher	6.602e-03	2.759e-02	0.239
## Admin2Flagler	-2.258e-06	2.772e-02	0.000
## Admin2Flathead	-7.524e-04	2.786e-02	-0.027
## Admin2Fleming	-1.730e-04	2.760e-02	-0.006
## Admin2Florence	-5.223e-04	2.366e-02	-0.022
## Admin2Florida	-4.077e-03	3.034e-02	-0.134
## Admin2Floyd	9.969e-04	2.122e-02	0.047
## Admin2Fluvanna	-4.524e-05	2.762e-02	-0.002
## Admin2Foard	6.602e-03	2.759e-02	0.239
## Admin2Fond du Lac	-1.045e-03	2.773e-02	-0.038
## Admin2Ford	-2.731e-04	2.399e-02	-0.011
## Admin2Forest	-7.008e-04	2.404e-02	-0.029
## Admin2Forrest	-1.596e-04	2.766e-02	-0.006
## Admin2Forsyth	6.675e-05	2.399e-02	0.003
## Admin2Fort Bend	6.602e-03	2.759e-02	0.239
## Admin2Foster	-9.715e-04	2.788e-02	-0.035
## Admin2Fountain	-3.189e-04	2.762e-02	-0.012
## Admin2Franklin	-1.379e-03	2.009e-02	-0.069
## Admin2Franklin City	-4.524e-05	2.762e-02	-0.002
## Admin2Frederick	-4.221e-05	2.415e-02	-0.002
## Admin2Fredericksburg	-4.524e-05	2.762e-02	-0.002
## Admin2Freeborn	-1.117e-03	2.776e-02	-0.040
## Admin2Freestone	6.602e-03	2.759e-02	0.239
## Admin2Fremont	-9.843e-04	2.206e-02	-0.045
## Admin2Fresno	-6.949e-05	2.853e-02	-0.002
## Admin2Frio	6.602e-03	2.759e-02	0.239
## Admin2Frontier	-1.091e-03	2.765e-02	-0.039
## Admin2Fulton	-3.087e-04	2.087e-02	-0.015
## Admin2Furnas	-1.091e-03	2.765e-02	-0.039
## Admin2Gadsden	-2.258e-06	2.772e-02	0.000
## Admin2Gage	-1.091e-03	2.765e-02	-0.039
## Admin2Gaines	6.602e-03	2.759e-02	0.239
## Admin2Galax	-4.524e-05	2.762e-02	-0.002
## Admin2Gallatin	-3.836e-04	2.269e-02	-0.017
## Admin2Gallia	-2.899e-04	2.763e-02	-0.010
## Admin2Galveston	6.602e-03	2.759e-02	0.239
## Admin2Garden	-1.091e-03	2.765e-02	-0.039

## Admin2Garfield	-6.493e-03	2.131e-02	-0.305
## Admin2Garland	-5.404e-04	2.766e-02	-0.020
## Admin2Garrard	-1.730e-04	2.760e-02	-0.006
## Admin2Garrett	-3.918e-05	2.818e-02	-0.001
## Admin2Garvin	-4.258e-04	2.773e-02	-0.015
## Admin2Garza	6.602e-03	2.759e-02	0.239
## Admin2Gasconade	-4.355e-04	2.761e-02	-0.016
## Admin2Gaston	6.709e-05	2.767e-02	0.002
## Admin2Gates	6.709e-05	2.767e-02	0.002
## Admin2Geary	-3.208e-04	2.762e-02	-0.012
## Admin2Geauga	-2.899e-04	2.763e-02	-0.010
## Admin2Gem	-1.493e-03	2.797e-02	-0.053
## Admin2Genesee	-4.343e-04	2.409e-02	-0.018
## Admin2Geneva	2.449e-04	2.765e-02	0.009
## Admin2Gentry	-4.355e-04	2.761e-02	-0.016
## Admin2George	-1.596e-04	2.766e-02	-0.006
## Admin2Georgetown	1.933e-15	2.712e-02	0.000
## Admin2Gibson	-1.649e-04	2.399e-02	-0.007
## Admin2Gila	-7.225e-04	2.997e-02	-0.024
## Admin2Gilchrist	-2.258e-06	2.772e-02	0.000
## Admin2Giles	-2.801e-05	2.398e-02	-0.001
## Admin2Gillespie	6.602e-03	2.759e-02	0.239
## Admin2Gilliam	-1.066e-03	2.788e-02	-0.038
## Admin2Gilmer	-1.605e-04	2.400e-02	-0.007
## Admin2Gilpin	-1.421e-03	2.783e-02	-0.051
## Admin2Glacier	-7.524e-04	2.786e-02	-0.027
## Admin2Glades	-2.258e-06	2.772e-02	0.000
## Admin2Gladwin	-2.370e-04	2.781e-02	-0.009
## Admin2Glascock	6.642e-05	2.758e-02	0.002
## Admin2Glasscock	6.602e-03	2.759e-02	0.239
## Admin2Glenn	-6.949e-05	2.853e-02	-0.002
## Admin2Gloucester	-7.107e-05	2.416e-02	-0.003
## Admin2Glynn	6.642e-05	2.758e-02	0.002
## Admin2Gogebic	-2.370e-04	2.781e-02	-0.009
## Admin2Golden Valley	-8.620e-04	2.415e-02	-0.036
## Admin2Goliad	6.602e-03	2.759e-02	0.239
## Admin2Gonzales	6.602e-03	2.759e-02	0.239
## Admin2Goochland	-4.524e-05	2.762e-02	-0.002
## Admin2Goodhue	-1.117e-03	2.776e-02	-0.040
## Admin2Gooding	-1.493e-03	2.797e-02	-0.053
## Admin2Gordon	6.642e-05	2.758e-02	0.002
## Admin2Goshen	-8.733e-04	2.822e-02	-0.031
## Admin2Gosper	-1.091e-03	2.765e-02	-0.039
## Admin2Gove	-3.208e-04	2.762e-02	-0.012
## Admin2Grady	-1.797e-04	2.401e-02	-0.007
## Admin2Grafton	-4.736e-04	2.898e-02	-0.016
## Admin2Graham	-3.254e-04	2.300e-02	-0.014
## Admin2Grainger	-1.078e-05	2.761e-02	0.000
## Admin2Grand	-1.614e-03	2.424e-02	-0.067
## Admin2Grand Forks	-9.715e-04	2.788e-02	-0.035
## Admin2Grand Isle	-4.803e-04	2.866e-02	-0.017
## Admin2Grand Traverse	-2.370e-04	2.781e-02	-0.009
## Admin2Granite	-7.524e-04	2.786e-02	-0.027
## Admin2Grant	-2.845e-03	2.035e-02	-0.140



## Admin2Granville	6.709e-05	2.767e-02	0.002
## Admin2Gratiot	-2.370e-04	2.781e-02	-0.009
## Admin2Graves	-1.730e-04	2.760e-02	-0.006
## Admin2Gray	3.140e-03	2.399e-02	0.131
## Admin2Grays Harbor	-3.346e-02	2.795e-02	-1.197
## Admin2Grayson	2.128e-03	2.264e-02	0.094
## Admin2Greeley	-7.059e-04	2.401e-02	-0.029
## Admin2Green	-6.088e-04	2.402e-02	-0.025
## Admin2Green Lake	-1.045e-03	2.773e-02	-0.038
## Admin2Greenbrier	-3.873e-04	2.771e-02	-0.014
## Admin2Greene	-1.990e-04	2.037e-02	-0.010
## Admin2Greenlee	-7.225e-04	2.997e-02	-0.024
## Admin2Greensville	-4.524e-05	2.762e-02	-0.002
## Admin2Greenup	-1.730e-04	2.760e-02	-0.006
## Admin2Greenville	1.917e-15	2.712e-02	0.000
## Admin2Greenwood	-1.604e-04	2.363e-02	-0.007
## Admin2Greer	-4.258e-04	2.773e-02	-0.015
## Admin2Gregg	6.602e-03	2.759e-02	0.239
## Admin2Gregory	-4.479e-04	2.779e-02	-0.016
## Admin2Grenada	-1.596e-04	2.766e-02	-0.006
## Admin2Griggs	-9.715e-04	2.788e-02	-0.035
## Admin2Grimes	6.602e-03	2.759e-02	0.239
## Admin2Grundy	-2.054e-04	2.196e-02	-0.009
## Admin2Guadalupe	2.718e-03	2.416e-02	0.112
## Admin2Guanica	-4.077e-03	3.034e-02	-0.134
## Admin2Guayama	-4.077e-03	3.034e-02	-0.134
## Admin2Guayanilla	-4.077e-03	3.034e-02	-0.134
## Admin2Guaynabo	-4.077e-03	3.034e-02	-0.134
## Admin2Guernsey	-2.899e-04	2.763e-02	-0.010
## Admin2Guilford	6.709e-05	2.767e-02	0.002
## Admin2Gulf	-2.258e-06	2.772e-02	0.000
## Admin2Gunnison	-1.421e-03	2.783e-02	-0.051
## Admin2Gurabo	-4.077e-03	3.034e-02	-0.134
## Admin2Guthrie	-1.498e-04	2.761e-02	-0.005
## Admin2Gwinnett	6.642e-05	2.758e-02	0.002
## Admin2Haakon	-4.479e-04	2.779e-02	-0.016
## Admin2Habersham	6.642e-05	2.758e-02	0.002
## Admin2Haines	-8.209e-04	3.070e-02	-0.027
## Admin2Hale	3.423e-03	2.399e-02	0.143
## Admin2Halifax	1.093e-05	2.400e-02	0.000
## Admin2Hall	1.859e-03	2.265e-02	0.082
## Admin2Hamblen	-1.078e-05	2.761e-02	0.000
## Admin2Hamilton	3.561e-04	2.064e-02	0.017
## Admin2Hamlin	-4.479e-04	2.779e-02	-0.016
## Admin2Hampden	-5.047e-04	2.848e-02	-0.018
## Admin2Hampshire	-4.460e-04	2.427e-02	-0.018
## Admin2Hampton	-2.262e-05	2.363e-02	-0.001
## Admin2Hancock	-2.256e-04	2.065e-02	-0.011
## Admin2Hand	-4.479e-04	2.779e-02	-0.016
## Admin2Hanover	-4.524e-05	2.762e-02	-0.002
## Admin2Hansford	6.602e-03	2.759e-02	0.239
## Admin2Hanson	-4.479e-04	2.779e-02	-0.016
## Admin2Haralson	6.642e-05	2.758e-02	0.002
## Admin2Hardee	-2.258e-06	2.772e-02	0.000

## Admin2Hardeman	3.295e-03	2.398e-02	0.137
## Admin2Hardin	9.588e-04	2.123e-02	0.045
## Admin2Harding	-8.069e-04	2.423e-02	-0.033
## Admin2Hardy	-3.873e-04	2.771e-02	-0.014
## Admin2Harford	-3.918e-05	2.818e-02	-0.001
## Admin2Harlan	-6.320e-04	2.400e-02	-0.026
## Admin2Harmon	-4.258e-04	2.773e-02	-0.015
## Admin2Harnett	6.709e-05	2.767e-02	0.002
## Admin2Harney	-1.066e-03	2.788e-02	-0.038
## Admin2Harper	-3.733e-04	2.403e-02	-0.016
## Admin2Harris	3.334e-03	2.397e-02	0.139
## Admin2Harrison	5.860e-04	2.087e-02	0.028
## Admin2Harrisonburg	-4.524e-05	2.762e-02	-0.002
## Admin2Hart	-5.330e-05	2.397e-02	-0.002
## Admin2Hartford	-5.470e-04	2.969e-02	-0.018
## Admin2Hartley	6.602e-03	2.759e-02	0.239
## Admin2Harvey	-3.208e-04	2.762e-02	-0.012
## Admin2Haskell	1.952e-03	2.267e-02	0.086
## Admin2Hatillo	-4.077e-03	3.034e-02	-0.134
## Admin2Hawaii	-1.097e-03	3.363e-02	-0.033
## Admin2Hawkins	-1.078e-05	2.761e-02	0.000
## Admin2Hayes	-1.091e-03	2.765e-02	-0.039
## Admin2Hays	6.602e-03	2.759e-02	0.239
## Admin2Haywood	2.816e-05	2.400e-02	0.001
## Admin2Heard	6.642e-05	2.758e-02	0.002
## Admin2Hemphill	6.602e-03	2.759e-02	0.239
## Admin2Hempstead	-5.404e-04	2.766e-02	-0.020
## Admin2Henderson	1.252e-03	2.152e-02	0.058
## Admin2Hendricks	-3.189e-04	2.762e-02	-0.012
## Admin2Hendry	-2.258e-06	2.772e-02	0.000
## Admin2Hennepin	-1.117e-03	2.776e-02	-0.040
## Admin2Henrico	-4.524e-05	2.762e-02	-0.002
## Admin2Henry	-1.337e-04	2.063e-02	-0.006
## Admin2Herkimer	-6.316e-04	2.774e-02	-0.023
## Admin2Hernando	-2.258e-06	2.772e-02	0.000
## Admin2Hertford	6.709e-05	2.767e-02	0.002
## Admin2Hettinger	-9.715e-04	2.788e-02	-0.035
## Admin2Hickman	-9.190e-05	2.399e-02	-0.004
## Admin2Hickory	-4.355e-04	2.761e-02	-0.016
## Admin2Hidalgo	2.718e-03	2.416e-02	0.112
## Admin2Highland	-1.675e-04	2.398e-02	-0.007
## Admin2Highlands	-2.258e-06	2.772e-02	0.000
## Admin2Hill	2.925e-03	2.406e-02	0.122
## Admin2Hillsborough	-2.379e-04	2.443e-02	-0.010
## Admin2Hillsdale	-2.370e-04	2.781e-02	-0.009
## Admin2Hinds	-1.596e-04	2.766e-02	-0.006
## Admin2Hinsdale	-1.421e-03	2.783e-02	-0.051
## Admin2Hitchcock	-1.091e-03	2.765e-02	-0.039
## Admin2Hocking	-2.899e-04	2.763e-02	-0.010
## Admin2Hockley	6.602e-03	2.759e-02	0.239
## Admin2Hodgeman	-3.208e-04	2.762e-02	-0.012
## Admin2Hoke	6.709e-05	2.767e-02	0.002
## Admin2Holmes	-1.506e-04	2.268e-02	-0.007
## Admin2Holt	-7.632e-04	2.400e-02	-0.032

## Admin2Honolulu	-1.097e-03	3.363e-02	-0.033
## Admin2Hood	6.602e-03	2.759e-02	0.239
## Admin2Hood River	-1.066e-03	2.788e-02	-0.038
## Admin2Hooker	-1.091e-03	2.765e-02	-0.039
## Admin2Hoonah-Angoon	-8.209e-04	3.070e-02	-0.027
## Admin2Hopewell	-4.524e-05	2.762e-02	-0.002
## Admin2Hopkins	3.214e-03	2.398e-02	0.134
## Admin2Hormigueros	-4.077e-03	3.034e-02	-0.134
## Admin2Horry	1.923e-15	2.712e-02	0.000
## Admin2Hot Spring	-5.404e-04	2.766e-02	-0.020
## Admin2Hot Springs	-8.733e-04	2.822e-02	-0.031
## Admin2Houghton	-2.370e-04	2.781e-02	-0.009
## Admin2Houston	1.157e-03	2.153e-02	0.054
## Admin2Howard	5.753e-04	2.103e-02	0.027
## Admin2Howell	-4.355e-04	2.761e-02	-0.016
## Admin2Hubbard	-1.117e-03	2.776e-02	-0.040
## Admin2Hudson	-9.691e-05	2.816e-02	-0.003
## Admin2Hudspeth	6.602e-03	2.759e-02	0.239
## Admin2Huerfano	-1.421e-03	2.783e-02	-0.051
## Admin2Hughes	-4.369e-04	2.409e-02	-0.018
## Admin2Humacao	-4.077e-03	3.034e-02	-0.134
## Admin2Humboldt	-6.684e-04	2.294e-02	-0.029
## Admin2Humphreys	-8.520e-05	2.400e-02	-0.004
## Admin2Hunt	6.602e-03	2.759e-02	0.239
## Admin2Hunterdon	-9.691e-05	2.816e-02	-0.003
## Admin2Huntingdon	-3.570e-04	2.768e-02	-0.013
## Admin2Huntington	-3.189e-04	2.762e-02	-0.012
## Admin2Huron	-2.634e-04	2.405e-02	-0.011
## Admin2Hutchinson	3.077e-03	2.404e-02	0.128
## Admin2Hyde	-1.904e-04	2.406e-02	-0.008
## Admin2Iberia	-1.476e-04	2.783e-02	-0.005
## Admin2Iberville	-1.476e-04	2.783e-02	-0.005
## Admin2Ida	-1.498e-04	2.761e-02	-0.005
## Admin2Idaho	-1.493e-03	2.797e-02	-0.053
## Admin2Imperial	-6.949e-05	2.853e-02	-0.002
## Admin2Independence	-5.404e-04	2.766e-02	-0.020
## Admin2Indian River	-2.258e-06	2.772e-02	0.000
## Admin2Indiana	-3.570e-04	2.768e-02	-0.013
## Admin2Ingham	-2.370e-04	2.781e-02	-0.009
## Admin2Inyo	-6.949e-05	2.853e-02	-0.002
## Admin2Ionia	-2.370e-04	2.781e-02	-0.009
## Admin2Iosco	-2.370e-04	2.781e-02	-0.009
## Admin2Iowa	-5.972e-04	2.402e-02	-0.025
## Admin2Iredell	6.709e-05	2.767e-02	0.002
## Admin2Irion	6.602e-03	2.759e-02	0.239
## Admin2Iron	-8.809e-04	2.203e-02	-0.040
## Admin2Iroquois	-2.254e-04	2.760e-02	-0.008
## Admin2Irwin	6.642e-05	2.758e-02	0.002
## Admin2Isabela	-4.077e-03	3.034e-02	-0.134
## Admin2Isabella	-2.370e-04	2.781e-02	-0.009
## Admin2Isanti	-1.117e-03	2.776e-02	-0.040
## Admin2Island	-3.346e-02	2.795e-02	-1.197
## Admin2Isle of Wight	-4.524e-05	2.762e-02	-0.002
## Admin2Issaquena	-1.596e-04	2.766e-02	-0.006

## Admin2Itasca	-1.117e-03	2.776e-02	-0.040
## Admin2Itawamba	-1.596e-04	2.766e-02	-0.006
## Admin2Izard	-5.404e-04	2.766e-02	-0.020
## Admin2Jack	6.602e-03	2.759e-02	0.239
## Admin2Jackson	-8.085e-05	2.011e-02	-0.004
## Admin2James City	-4.524e-05	2.762e-02	-0.002
## Admin2Jasper	6.724e-04	2.074e-02	0.032
## Admin2Jay	-3.189e-04	2.762e-02	-0.012
## Admin2Jayuya	-4.077e-03	3.034e-02	-0.134
## Admin2Jeff Davis	3.334e-03	2.397e-02	0.139
## Admin2Jefferson	-1.461e-03	2.008e-02	-0.073
## Admin2Jefferson Davis	-1.536e-04	2.407e-02	-0.006
## Admin2Jenkins	6.642e-05	2.758e-02	0.002
## Admin2Jennings	-3.189e-04	2.762e-02	-0.012
## Admin2Jerauld	-4.479e-04	2.779e-02	-0.016
## Admin2Jerome	-1.493e-03	2.797e-02	-0.053
## Admin2Jersey	-2.254e-04	2.760e-02	-0.008
## Admin2Jessamine	-1.730e-04	2.760e-02	-0.006
## Admin2Jewell	-3.208e-04	2.762e-02	-0.012
## Admin2Jim Hogg	6.602e-03	2.759e-02	0.239
## Admin2Jim Wells	6.602e-03	2.759e-02	0.239
## Admin2Jo Daviess	-2.254e-04	2.760e-02	-0.008
## Admin2Johnson	2.108e-04	2.049e-02	0.010
## Admin2Johnston	-1.794e-04	2.404e-02	-0.007
## Admin2Jones	9.963e-04	2.124e-02	0.047
## Admin2Josephine	-1.066e-03	2.788e-02	-0.038
## Admin2Juab	-1.807e-03	2.815e-02	-0.064
## Admin2Juana Diaz	-4.077e-03	3.034e-02	-0.134
## Admin2Judith Basin	-7.524e-04	2.786e-02	-0.027
## Admin2Juncos	-4.077e-03	3.034e-02	-0.134
## Admin2Juneau	-9.328e-04	2.497e-02	-0.037
## Admin2Juniata	-3.570e-04	2.768e-02	-0.013
## Admin2Kalamazoo	-2.370e-04	2.781e-02	-0.009
## Admin2Kalawao	-1.097e-03	3.363e-02	-0.033
## Admin2Kalkaska	-2.370e-04	2.781e-02	-0.009
## Admin2Kanabec	-1.117e-03	2.776e-02	-0.040
## Admin2Kanawha	-3.873e-04	2.771e-02	-0.014
## Admin2Kandiyohi	-1.117e-03	2.776e-02	-0.040
## Admin2Kane	-1.016e-03	2.414e-02	-0.042
## Admin2Kankakee	-2.254e-04	2.760e-02	-0.008
## Admin2Kansas City	-4.355e-04	2.761e-02	-0.016
## Admin2Karnes	6.602e-03	2.759e-02	0.239
## Admin2Kauai	-1.097e-03	3.363e-02	-0.033
## Admin2Kaufman	6.602e-03	2.759e-02	0.239
## Admin2Kay	-4.258e-04	2.773e-02	-0.015
## Admin2Kearney	-1.091e-03	2.765e-02	-0.039
## Admin2Kearny	-3.208e-04	2.762e-02	-0.012
## Admin2Keith	-1.091e-03	2.765e-02	-0.039
## Admin2Kemper	-1.596e-04	2.766e-02	-0.006
## Admin2Kenai Peninsula	-8.209e-04	3.070e-02	-0.027
## Admin2Kendall	3.188e-03	2.398e-02	0.133
## Admin2Kenedy	6.602e-03	2.759e-02	0.239
## Admin2Kennebec	-6.077e-04	2.830e-02	-0.021
## Admin2Kenosha	-1.045e-03	2.773e-02	-0.038

## Admin2Kent	1.259e-03	2.182e-02	0.058
## Admin2Kenton	-1.730e-04	2.760e-02	-0.006
## Admin2Keokuk	-1.498e-04	2.761e-02	-0.005
## Admin2Kern	-6.949e-05	2.853e-02	-0.002
## Admin2Kerr	6.602e-03	2.759e-02	0.239
## Admin2Kershaw	1.917e-15	2.712e-02	0.000
## Admin2Ketchikan Gateway	-8.209e-04	3.070e-02	-0.027
## Admin2Kewaunee	-1.045e-03	2.773e-02	-0.038
## Admin2Keweenaw	-2.370e-04	2.781e-02	-0.009
## Admin2Keya Paha	-1.091e-03	2.765e-02	-0.039
## Admin2Kidder	-9.715e-04	2.788e-02	-0.035
## Admin2Kimball	-1.091e-03	2.765e-02	-0.039
## Admin2Kimble	6.602e-03	2.759e-02	0.239
## Admin2King	4.866e-01	2.408e-02	20.204
## Admin2King and Queen	-4.524e-05	2.762e-02	-0.002
## Admin2King George	-4.524e-05	2.762e-02	-0.002
## Admin2King William	-4.524e-05	2.762e-02	-0.002
## Admin2Kingfisher	-4.258e-04	2.773e-02	-0.015
## Admin2Kingman	-3.208e-04	2.762e-02	-0.012
## Admin2Kings	-3.505e-04	2.430e-02	-0.014
## Admin2Kingsbury	-4.479e-04	2.779e-02	-0.016
## Admin2Kinney	6.602e-03	2.759e-02	0.239
## Admin2Kiowa	-7.225e-04	2.271e-02	-0.032
## Admin2Kit Carson	-1.421e-03	2.783e-02	-0.051
## Admin2Kitsap	-3.346e-02	2.795e-02	-1.197
## Admin2Kittitas	-3.346e-02	2.795e-02	-1.197
## Admin2Kittson	-1.117e-03	2.776e-02	-0.040
## Admin2Klamath	-1.066e-03	2.788e-02	-0.038
## Admin2Kleberg	6.602e-03	2.759e-02	0.239
## Admin2Klickitat	-3.346e-02	2.795e-02	-1.197
## Admin2Knott	-1.730e-04	2.760e-02	-0.006
## Admin2Knox	3.833e-04	2.075e-02	0.018
## Admin2Kodiak Island	-8.209e-04	3.070e-02	-0.027
## Admin2Koochiching	-1.117e-03	2.776e-02	-0.040
## Admin2Kootenai	-1.493e-03	2.797e-02	-0.053
## Admin2Kosciusko	-3.189e-04	2.762e-02	-0.012
## Admin2Kossuth	-1.498e-04	2.761e-02	-0.005
## Admin2Kusilvak	-8.209e-04	3.070e-02	-0.027
## Admin2La Crosse	-1.045e-03	2.773e-02	-0.038
## Admin2La Paz	-7.225e-04	2.997e-02	-0.024
## Admin2La Plata	-1.421e-03	2.783e-02	-0.051
## Admin2La Salle	6.602e-03	2.759e-02	0.239
## Admin2Labette	-3.208e-04	2.762e-02	-0.012
## Admin2Lac qui Parle	-1.117e-03	2.776e-02	-0.040
## Admin2Lackawanna	-3.570e-04	2.768e-02	-0.013
## Admin2Laclede	-4.355e-04	2.761e-02	-0.016
## Admin2Lafayette	-3.883e-04	2.125e-02	-0.018
## Admin2Lafourche	-1.476e-04	2.783e-02	-0.005
## Admin2LaGrange	-3.189e-04	2.762e-02	-0.012
## Admin2Lajas	-4.077e-03	3.034e-02	-0.134
## Admin2Lake	-4.965e-04	2.051e-02	-0.024
## Admin2Lake of the Woods	-1.117e-03	2.776e-02	-0.040
## Admin2Lamar	1.688e-03	2.195e-02	0.077
## Admin2Lamb	6.602e-03	2.759e-02	0.239

## Admin2Lamoille	-4.803e-04	2.866e-02	-0.017
## Admin2LaMoure	-9.715e-04	2.788e-02	-0.035
## Admin2Lampasas	6.602e-03	2.759e-02	0.239
## Admin2Lancaster	-3.733e-04	2.174e-02	-0.017
## Admin2Lander	-1.786e-03	2.861e-02	-0.062
## Admin2Lane	-6.935e-04	2.407e-02	-0.029
## Admin2Langlade	-1.045e-03	2.773e-02	-0.038
## Admin2Lanier	6.642e-05	2.758e-02	0.002
## Admin2Lapeer	-2.370e-04	2.781e-02	-0.009
## Admin2LaPorte	-3.189e-04	2.762e-02	-0.012
## Admin2Laramie	-8.733e-04	2.822e-02	-0.031
## Admin2Lares	-4.077e-03	3.034e-02	-0.134
## Admin2Larimer	-1.421e-03	2.783e-02	-0.051
## Admin2Larue	-1.730e-04	2.760e-02	-0.006
## Admin2Las Animas	-1.421e-03	2.783e-02	-0.051
## Admin2Las Marias	-4.077e-03	3.034e-02	-0.134
## Admin2Las Piedras	-4.077e-03	3.034e-02	-0.134
## Admin2LaSalle	-1.865e-04	2.405e-02	-0.008
## Admin2Lassen	-6.949e-05	2.853e-02	-0.002
## Admin2Latah	-1.493e-03	2.797e-02	-0.053
## Admin2Latimer	-4.258e-04	2.773e-02	-0.015
## Admin2Lauderdale	2.482e-05	2.267e-02	0.001
## Admin2Laurel	-1.730e-04	2.760e-02	-0.006
## Admin2Laurens	3.321e-05	2.362e-02	0.001
## Admin2Lavaca	6.602e-03	2.759e-02	0.239
## Admin2Lawrence	-2.467e-04	2.056e-02	-0.012
## Admin2Le Flore	-4.258e-04	2.773e-02	-0.015
## Admin2Le Sueur	-1.117e-03	2.776e-02	-0.040
## Admin2Lea	-1.166e-03	2.821e-02	-0.041
## Admin2Leake	-1.596e-04	2.766e-02	-0.006
## Admin2Leavenworth	-3.208e-04	2.762e-02	-0.012
## Admin2Lebanon	-3.570e-04	2.768e-02	-0.013
## Admin2Lee	4.737e-04	2.040e-02	0.023
## Admin2Leelanau	-2.370e-04	2.781e-02	-0.009
## Admin2Leflore	-1.596e-04	2.766e-02	-0.006
## Admin2Lehigh	-3.570e-04	2.768e-02	-0.013
## Admin2Lemhi	-1.493e-03	2.797e-02	-0.053
## Admin2Lenawee	-2.370e-04	2.781e-02	-0.009
## Admin2Lenoir	6.709e-05	2.767e-02	0.002
## Admin2Leon	3.300e-03	2.401e-02	0.137
## Admin2Leslie	-1.730e-04	2.760e-02	-0.006
## Admin2Letcher	-1.730e-04	2.760e-02	-0.006
## Admin2Levy	-2.258e-06	2.772e-02	0.000
## Admin2Lewis	-5.228e-03	2.105e-02	-0.248
## Admin2Lewis and Clark	-7.524e-04	2.786e-02	-0.027
## Admin2Lexington	-2.262e-05	2.363e-02	-0.001
## Admin2Liberty	1.478e-03	2.198e-02	0.067
## Admin2Licking	-2.899e-04	2.763e-02	-0.010
## Admin2Limestone	3.423e-03	2.399e-02	0.143
## Admin2Lincoln	-2.033e-03	2.012e-02	-0.101
## Admin2Linn	-4.931e-04	2.198e-02	-0.022
## Admin2Lipscomb	6.602e-03	2.759e-02	0.239
## Admin2Litchfield	-5.470e-04	2.969e-02	-0.018
## Admin2Little River	-5.404e-04	2.766e-02	-0.020

## Admin2Live Oak	6.602e-03	2.759e-02	0.239
## Admin2Livingston	-3.083e-04	2.126e-02	-0.015
## Admin2Llano	6.602e-03	2.759e-02	0.239
## Admin2Logan	-5.846e-04	2.065e-02	-0.028
## Admin2Loiza	-4.077e-03	3.034e-02	-0.134
## Admin2Long	6.642e-05	2.758e-02	0.002
## Admin2Lonoke	-5.404e-04	2.766e-02	-0.020
## Admin2Lorain	-2.899e-04	2.763e-02	-0.010
## Admin2Los Alamos	-1.166e-03	2.821e-02	-0.041
## Admin2Los Angeles	-6.949e-05	2.853e-02	-0.002
## Admin2Loudon	-1.078e-05	2.761e-02	0.000
## Admin2Loudoun	-4.524e-05	2.762e-02	-0.002
## Admin2Louisa	-9.753e-05	2.398e-02	-0.004
## Admin2Loup	-1.091e-03	2.765e-02	-0.039
## Admin2Love	-4.258e-04	2.773e-02	-0.015
## Admin2Loving	6.602e-03	2.759e-02	0.239
## Admin2Lowndes	5.055e-05	2.266e-02	0.002
## Admin2Lubbock	6.602e-03	2.759e-02	0.239
## Admin2Lucas	-2.198e-04	2.399e-02	-0.009
## Admin2Luce	-2.370e-04	2.781e-02	-0.009
## Admin2Lumpkin	6.642e-05	2.758e-02	0.002
## Admin2Luna	-1.166e-03	2.821e-02	-0.041
## Admin2Lunenburg	-4.524e-05	2.762e-02	-0.002
## Admin2Luquillo	-4.077e-03	3.034e-02	-0.134
## Admin2Luzerne	-3.570e-04	2.768e-02	-0.013
## Admin2Lycoming	-3.570e-04	2.768e-02	-0.013
## Admin2Lyman	-4.479e-04	2.779e-02	-0.016
## Admin2Lynchburg	-4.524e-05	2.762e-02	-0.002
## Admin2Lynn	6.602e-03	2.759e-02	0.239
## Admin2Lyon	-7.093e-04	2.159e-02	-0.033
## Admin2Mackinac	-2.370e-04	2.781e-02	-0.009
## Admin2Macomb	-2.370e-04	2.781e-02	-0.009
## Admin2Macon	-4.888e-05	2.123e-02	-0.002
## Admin2Macoupin	-2.254e-04	2.760e-02	-0.008
## Admin2Madera	-6.949e-05	2.853e-02	-0.002
## Admin2Madison	2.567e-05	2.018e-02	0.001
## Admin2Magoffin	-1.730e-04	2.760e-02	-0.006
## Admin2Mahaska	-1.498e-04	2.761e-02	-0.005
## Admin2Mahnomen	-1.117e-03	2.776e-02	-0.040
## Admin2Mahoning	-2.899e-04	2.763e-02	-0.010
## Admin2Major	-4.258e-04	2.773e-02	-0.015
## Admin2Malheur	-1.066e-03	2.788e-02	-0.038
## Admin2Manassas	-4.524e-05	2.762e-02	-0.002
## Admin2Manassas Park	-4.524e-05	2.762e-02	-0.002
## Admin2Manatee	-2.258e-06	2.772e-02	0.000
## Admin2Manati	-4.077e-03	3.034e-02	-0.134
## Admin2Manistee	-2.370e-04	2.781e-02	-0.009
## Admin2Manitowoc	-1.045e-03	2.773e-02	-0.038
## Admin2Marathon	-1.045e-03	2.773e-02	-0.038
## Admin2Marengo	2.449e-04	2.765e-02	0.009
## Admin2Maricao	-4.077e-03	3.034e-02	-0.134
## Admin2Maricopa	-7.225e-04	2.997e-02	-0.024
## Admin2Maries	-4.355e-04	2.761e-02	-0.016
## Admin2Marin	-6.949e-05	2.853e-02	-0.002

## Admin2Marinette	-1.045e-03	2.773e-02	-0.038
## Admin2Marion	1.667e-04	2.020e-02	0.008
## Admin2Mariposa	-6.949e-05	2.853e-02	-0.002
## Admin2Marlboro	1.921e-15	2.712e-02	0.000
## Admin2Marquette	-6.408e-04	2.409e-02	-0.027
## Admin2Marshall	-2.910e-04	2.049e-02	-0.014
## Admin2Martin	8.430e-04	2.124e-02	0.040
## Admin2Martinsville	-4.524e-05	2.762e-02	-0.002
## Admin2Mason	-4.647e-03	2.126e-02	-0.219
## Admin2Massac	-2.254e-04	2.760e-02	-0.008
## Admin2Matagorda	6.602e-03	2.759e-02	0.239
## Admin2Matanuska-Susitna	-8.209e-04	3.070e-02	-0.027
## Admin2Mathews	-4.524e-05	2.762e-02	-0.002
## Admin2Maui	-1.097e-03	3.363e-02	-0.033
## Admin2Maunabo	-4.077e-03	3.034e-02	-0.134
## Admin2Maury	-1.078e-05	2.761e-02	0.000
## Admin2Maverick	6.602e-03	2.759e-02	0.239
## Admin2Mayaguez	-4.077e-03	3.034e-02	-0.134
## Admin2Mayes	-4.258e-04	2.773e-02	-0.015
## Admin2McClain	-4.258e-04	2.773e-02	-0.015
## Admin2McCone	-7.524e-04	2.786e-02	-0.027
## Admin2McCook	-4.479e-04	2.779e-02	-0.016
## Admin2McCormick	1.915e-15	2.712e-02	0.000
## Admin2McCracken	-1.730e-04	2.760e-02	-0.006
## Admin2McCreary	-1.730e-04	2.760e-02	-0.006
## Admin2McCulloch	6.602e-03	2.759e-02	0.239
## Admin2McCurtain	-4.258e-04	2.773e-02	-0.015
## Admin2McDonald	-4.355e-04	2.761e-02	-0.016
## Admin2McDonough	-2.254e-04	2.760e-02	-0.008
## Admin2McDowell	-1.601e-04	2.403e-02	-0.007
## Admin2McDuffie	6.642e-05	2.758e-02	0.002
## Admin2McHenry	-5.984e-04	2.407e-02	-0.025
## Admin2McIntosh	-4.436e-04	2.270e-02	-0.020
## Admin2McKean	-3.570e-04	2.768e-02	-0.013
## Admin2McKenzie	-9.715e-04	2.788e-02	-0.035
## Admin2McKinley	-1.166e-03	2.821e-02	-0.041
## Admin2McLean	-4.566e-04	2.269e-02	-0.020
## Admin2McLennan	6.602e-03	2.759e-02	0.239
## Admin2McLeod	-1.117e-03	2.776e-02	-0.040
## Admin2McMinn	-1.078e-05	2.761e-02	0.000
## Admin2McMullen	6.602e-03	2.759e-02	0.239
## Admin2McNairy	-1.078e-05	2.761e-02	0.000
## Admin2McPherson	-6.199e-04	2.269e-02	-0.027
## Admin2Meade	-3.139e-04	2.268e-02	-0.014
## Admin2Meagher	-7.524e-04	2.786e-02	-0.027
## Admin2Mecklenburg	1.093e-05	2.400e-02	0.000
## Admin2Mecosta	-2.370e-04	2.781e-02	-0.009
## Admin2Medina	3.156e-03	2.399e-02	0.132
## Admin2Meeker	-1.117e-03	2.776e-02	-0.040
## Admin2Meigs	-1.503e-04	2.399e-02	-0.006
## Admin2Mellette	-4.479e-04	2.779e-02	-0.016
## Admin2Menard	3.188e-03	2.398e-02	0.133
## Admin2Mendocino	-6.949e-05	2.853e-02	-0.002
## Admin2Meniffee	-1.730e-04	2.760e-02	-0.006



## Admin2Menominee	-6.408e-04	2.409e-02	-0.027
## Admin2Merced	-6.949e-05	2.853e-02	-0.002
## Admin2Mercer	-3.671e-04	2.088e-02	-0.018
## Admin2Meriwether	6.642e-05	2.758e-02	0.002
## Admin2Merrick	-1.091e-03	2.765e-02	-0.039
## Admin2Merrimack	-4.736e-04	2.898e-02	-0.016
## Admin2Mesa	-1.421e-03	2.783e-02	-0.051
## Admin2Metcalf	-1.730e-04	2.760e-02	-0.006
## Admin2Miami	-3.099e-04	2.266e-02	-0.014
## Admin2Miami-Dade	-2.258e-06	2.772e-02	0.000
## Admin2Michigan Department of Corrections (MDOC)	-2.370e-04	2.781e-02	-0.009
## Admin2Middlesex	-2.985e-04	2.225e-02	-0.013
## Admin2Midland	3.182e-03	2.404e-02	0.132
## Admin2Mifflin	-3.570e-04	2.768e-02	-0.013
## Admin2Milam	6.602e-03	2.759e-02	0.239
## Admin2Millard	-1.807e-03	2.815e-02	-0.064
## Admin2Mille Lacs	-1.117e-03	2.776e-02	-0.040
## Admin2Miller	-3.032e-04	2.265e-02	-0.013
## Admin2Mills	3.226e-03	2.398e-02	0.135
## Admin2Milwaukee	-1.045e-03	2.773e-02	-0.038
## Admin2Miner	-4.479e-04	2.779e-02	-0.016
## Admin2Mineral	-1.087e-03	2.209e-02	-0.049
## Admin2Mingo	-3.873e-04	2.771e-02	-0.014
## Admin2Minidoka	-1.493e-03	2.797e-02	-0.053
## Admin2Minnehaha	-4.479e-04	2.779e-02	-0.016
## Admin2Missaukee	-2.370e-04	2.781e-02	-0.009
## Admin2Mississippi	-4.879e-04	2.400e-02	-0.020
## Admin2Missoula	-7.524e-04	2.786e-02	-0.027
## Admin2Mitchell	1.253e-03	2.152e-02	0.058
## Admin2Mobile	2.449e-04	2.765e-02	0.009
## Admin2Moca	-4.077e-03	3.034e-02	-0.134
## Admin2Modoc	-6.949e-05	2.853e-02	-0.002
## Admin2Moffat	-1.421e-03	2.783e-02	-0.051
## Admin2Mohave	-7.225e-04	2.997e-02	-0.024
## Admin2Moniteau	-4.355e-04	2.761e-02	-0.016
## Admin2Monmouth	-9.691e-05	2.816e-02	-0.003
## Admin2Mono	-6.949e-05	2.853e-02	-0.002
## Admin2Monona	-1.498e-04	2.761e-02	-0.005
## Admin2Monongalia	-3.873e-04	2.771e-02	-0.014
## Admin2Monroe	-2.736e-04	2.026e-02	-0.014
## Admin2Montague	6.602e-03	2.759e-02	0.239
## Admin2Montcalm	-2.370e-04	2.781e-02	-0.009
## Admin2Monterey	-6.949e-05	2.853e-02	-0.002
## Admin2Montezuma	-1.421e-03	2.783e-02	-0.051
## Admin2Montgomery	1.824e-04	2.023e-02	0.009
## Admin2Montmorency	-2.370e-04	2.781e-02	-0.009
## Admin2Montour	-3.570e-04	2.768e-02	-0.013
## Admin2Montrose	-1.421e-03	2.783e-02	-0.051
## Admin2Moody	-4.479e-04	2.779e-02	-0.016
## Admin2Moore	2.219e-03	2.266e-02	0.098
## Admin2Mora	-1.166e-03	2.821e-02	-0.041
## Admin2Morehouse	-1.476e-04	2.783e-02	-0.005
## Admin2Morgan	-4.324e-04	2.057e-02	-0.021
## Admin2Morovis	-4.077e-03	3.034e-02	-0.134

## Admin2Morrill	-1.091e-03	2.765e-02	-0.039
## Admin2Morris	2.061e-03	2.272e-02	0.091
## Admin2Morrison	-1.117e-03	2.776e-02	-0.040
## Admin2Morrow	-6.780e-04	2.407e-02	-0.028
## Admin2Morton	-6.462e-04	2.407e-02	-0.027
## Admin2Motley	6.602e-03	2.759e-02	0.239
## Admin2Moultrie	-2.254e-04	2.760e-02	-0.008
## Admin2Mountrail	-9.715e-04	2.788e-02	-0.035
## Admin2Mower	-1.117e-03	2.776e-02	-0.040
## Admin2Muhlenberg	-1.730e-04	2.760e-02	-0.006
## Admin2Multnomah	-1.066e-03	2.788e-02	-0.038
## Admin2Murray	-4.921e-04	2.269e-02	-0.022
## Admin2Muscatine	-1.498e-04	2.761e-02	-0.005
## Admin2Muscogee	6.642e-05	2.758e-02	0.002
## Admin2Muskegon	-2.370e-04	2.781e-02	-0.009
## Admin2Muskingum	-2.899e-04	2.763e-02	-0.010
## Admin2Muskogee	-4.258e-04	2.773e-02	-0.015
## Admin2Musselshell	-7.524e-04	2.786e-02	-0.027
## Admin2Nacogdoches	6.602e-03	2.759e-02	0.239
## Admin2Naguabo	-4.077e-03	3.034e-02	-0.134
## Admin2Nance	-1.091e-03	2.765e-02	-0.039
## Admin2Nantucket	-5.047e-04	2.848e-02	-0.018
## Admin2Napa	-6.949e-05	2.853e-02	-0.002
## Admin2Naranjito	-4.077e-03	3.034e-02	-0.134
## Admin2Nash	6.709e-05	2.767e-02	0.002
## Admin2Nassau	-3.169e-04	2.406e-02	-0.013
## Admin2Natchitoches	-1.476e-04	2.783e-02	-0.005
## Admin2Natrona	-8.733e-04	2.822e-02	-0.031
## Admin2Navajo	-7.225e-04	2.997e-02	-0.024
## Admin2Navarro	6.602e-03	2.759e-02	0.239
## Admin2Nelson	-3.966e-04	2.268e-02	-0.017
## Admin2Nemaha	-7.059e-04	2.401e-02	-0.029
## Admin2Neosho	-3.208e-04	2.762e-02	-0.012
## Admin2Neshoba	-1.596e-04	2.766e-02	-0.006
## Admin2Ness	-3.208e-04	2.762e-02	-0.012
## Admin2Nevada	-3.050e-04	2.427e-02	-0.013
## Admin2New Castle	4.320e-05	3.014e-02	0.001
## Admin2New Hanover	6.709e-05	2.767e-02	0.002
## Admin2New Haven	-5.470e-04	2.969e-02	-0.018
## Admin2New Kent	-4.524e-05	2.762e-02	-0.002
## Admin2New London	-5.470e-04	2.969e-02	-0.018
## Admin2New Madrid	-4.355e-04	2.761e-02	-0.016
## Admin2New York	-6.316e-04	2.774e-02	-0.023
## Admin2Newaygo	-2.370e-04	2.781e-02	-0.009
## Admin2Newberry	1.914e-15	2.712e-02	0.000
## Admin2Newport	-7.156e-05	2.942e-02	-0.002
## Admin2Newport News	-4.524e-05	2.762e-02	-0.002
## Admin2Newton	8.689e-04	2.123e-02	0.041
## Admin2Nez Perce	-1.493e-03	2.797e-02	-0.053
## Admin2Niagara	-6.316e-04	2.774e-02	-0.023
## Admin2Nicholas	-2.802e-04	2.402e-02	-0.012
## Admin2Nicollet	-1.117e-03	2.776e-02	-0.040
## Admin2Niobrara	-8.733e-04	2.822e-02	-0.031
## Admin2Noble	-3.449e-04	2.268e-02	-0.015

## Admin2Nobles	-1.117e-03	2.776e-02	-0.040
## Admin2Nodaway	-4.355e-04	2.761e-02	-0.016
## Admin2Nolan	6.602e-03	2.759e-02	0.239
## Admin2Nome	-8.209e-04	3.070e-02	-0.027
## Admin2Norfolk	-2.750e-04	2.425e-02	-0.011
## Admin2Norman	-1.117e-03	2.776e-02	-0.040
## Admin2North Slope	-8.209e-04	3.070e-02	-0.027
## Admin2Northampton	-1.117e-04	2.266e-02	-0.005
## Admin2Northumberland	-2.011e-04	2.400e-02	-0.008
## Admin2Northwest Arctic	-8.209e-04	3.070e-02	-0.027
## Admin2Norton	-1.830e-04	2.398e-02	-0.008
## Admin2Nottoway	-4.524e-05	2.762e-02	-0.002
## Admin2Nowata	-4.258e-04	2.773e-02	-0.015
## Admin2Noxubee	-1.596e-04	2.766e-02	-0.006
## Admin2Nuckolls	-1.091e-03	2.765e-02	-0.039
## Admin2Nueces	6.602e-03	2.759e-02	0.239
## Admin2Nye	-1.786e-03	2.861e-02	-0.062
## Admin2O'Brien	-1.498e-04	2.761e-02	-0.005
## Admin2Oakland	-2.370e-04	2.781e-02	-0.009
## Admin2Obion	-1.078e-05	2.761e-02	0.000
## Admin2Ocean	-9.691e-05	2.816e-02	-0.003
## Admin2Oceana	-2.370e-04	2.781e-02	-0.009
## Admin2Ochiltree	6.602e-03	2.759e-02	0.239
## Admin2Ocone	3.321e-05	2.362e-02	0.001
## Admin2Oconto	-1.045e-03	2.773e-02	-0.038
## Admin2Ogemaw	-2.370e-04	2.781e-02	-0.009
## Admin2Oglala Lakota	-4.479e-04	2.779e-02	-0.016
## Admin2Ogle	-2.254e-04	2.760e-02	-0.008
## Admin2Oglethorpe	6.642e-05	2.758e-02	0.002
## Admin2Ohio	-2.931e-04	2.267e-02	-0.013
## Admin2Okaaloosa	-2.258e-06	2.772e-02	0.000
## Admin2Okanogan	-3.346e-02	2.795e-02	-1.197
## Admin2Okeechobee	-2.258e-06	2.772e-02	0.000
## Admin2Okfuskee	-4.258e-04	2.773e-02	-0.015
## Admin2Oklahoma	-4.258e-04	2.773e-02	-0.015
## Admin2Oklmulgee	-4.258e-04	2.773e-02	-0.015
## Admin2Oktibbeha	-1.596e-04	2.766e-02	-0.006
## Admin2Oldham	3.214e-03	2.398e-02	0.134
## Admin2Oliver	-9.715e-04	2.788e-02	-0.035
## Admin2Olmsted	-1.117e-03	2.776e-02	-0.040
## Admin2Oneida	-1.056e-03	2.274e-02	-0.046
## Admin2Onondaga	-6.316e-04	2.774e-02	-0.023
## Admin2Onslow	6.709e-05	2.767e-02	0.002
## Admin2Ontario	-6.316e-04	2.774e-02	-0.023
## Admin2Ontonagon	-2.370e-04	2.781e-02	-0.009
## Admin2Orange	6.401e-04	2.091e-02	0.031
## Admin2Orangeburg	1.917e-15	2.712e-02	0.000
## Admin2Oregon	-4.355e-04	2.761e-02	-0.016
## Admin2Orleans	-4.198e-04	2.286e-02	-0.018
## Admin2Orocovis	-4.077e-03	3.034e-02	-0.134
## Admin2Osage	-3.940e-04	2.267e-02	-0.017
## Admin2Osborne	-3.208e-04	2.762e-02	-0.012
## Admin2Osceola	-1.297e-04	2.270e-02	-0.006
## Admin2Oscoda	-2.370e-04	2.781e-02	-0.009

## Admin2Oswego	-6.316e-04	2.774e-02	-0.023
## Admin2Otero	-1.293e-03	2.425e-02	-0.053
## Admin2Otoe	-1.091e-03	2.765e-02	-0.039
## Admin2Otsego	-4.343e-04	2.409e-02	-0.018
## Admin2Ottawa	-3.184e-04	2.198e-02	-0.014
## Admin2Otter Tail	-1.117e-03	2.776e-02	-0.040
## Admin2Ouachita	-3.440e-04	2.407e-02	-0.014
## Admin2Ouray	-1.421e-03	2.783e-02	-0.051
## Admin2Out of AK	-8.209e-04	3.070e-02	-0.027
## Admin2Out of AL	2.449e-04	2.765e-02	0.009
## Admin2Out of AR	-5.404e-04	2.766e-02	-0.020
## Admin2Out of AZ	-7.225e-04	2.997e-02	-0.024
## Admin2Out of CA	-6.949e-05	2.853e-02	-0.002
## Admin2Out of CO	-1.421e-03	2.783e-02	-0.051
## Admin2Out of CT	-5.470e-04	2.969e-02	-0.018
## Admin2Out of DC	-1.097e-03	3.363e-02	-0.033
## Admin2Out of DE	4.320e-05	3.014e-02	0.001
## Admin2Out of FL	-2.258e-06	2.772e-02	0.000
## Admin2Out of GA	6.642e-05	2.758e-02	0.002
## Admin2Out of HI	-1.097e-03	3.363e-02	-0.033
## Admin2Out of IA	-1.498e-04	2.761e-02	-0.005
## Admin2Out of ID	-1.493e-03	2.797e-02	-0.053
## Admin2Out of IL	-2.254e-04	2.760e-02	-0.008
## Admin2Out of IN	-3.189e-04	2.762e-02	-0.012
## Admin2Out of KS	-3.208e-04	2.762e-02	-0.012
## Admin2Out of KY	-1.730e-04	2.760e-02	-0.006
## Admin2Out of LA	-1.476e-04	2.783e-02	-0.005
## Admin2Out of MA	-5.047e-04	2.848e-02	-0.018
## Admin2Out of MD	-3.918e-05	2.818e-02	-0.001
## Admin2Out of ME	-6.077e-04	2.830e-02	-0.021
## Admin2Out of MI	-2.370e-04	2.781e-02	-0.009
## Admin2Out of MN	-1.117e-03	2.776e-02	-0.040
## Admin2Out of MO	-4.355e-04	2.761e-02	-0.016
## Admin2Out of MS	-1.596e-04	2.766e-02	-0.006
## Admin2Out of MT	-7.524e-04	2.786e-02	-0.027
## Admin2Out of NC	6.709e-05	2.767e-02	0.002
## Admin2Out of ND	-9.715e-04	2.788e-02	-0.035
## Admin2Out of NE	-1.091e-03	2.765e-02	-0.039
## Admin2Out of NH	-4.736e-04	2.898e-02	-0.016
## Admin2Out of NJ	-9.691e-05	2.816e-02	-0.003
## Admin2Out of NM	-1.166e-03	2.821e-02	-0.041
## Admin2Out of NV	-1.786e-03	2.861e-02	-0.062
## Admin2Out of NY	-6.316e-04	2.774e-02	-0.023
## Admin2Out of OH	-2.899e-04	2.763e-02	-0.010
## Admin2Out of OK	-4.258e-04	2.773e-02	-0.015
## Admin2Out of OR	-1.066e-03	2.788e-02	-0.038
## Admin2Out of PA	-3.570e-04	2.768e-02	-0.013
## Admin2Out of PR	-4.077e-03	3.034e-02	-0.134
## Admin2Out of RI	-7.156e-05	2.942e-02	-0.002
## Admin2Out of SC	1.914e-15	2.712e-02	0.000
## Admin2Out of SD	-4.479e-04	2.779e-02	-0.016
## Admin2Out of TN	-1.078e-05	2.761e-02	0.000
## Admin2Out of TX	6.602e-03	2.759e-02	0.239
## Admin2Out of UT	-1.807e-03	2.815e-02	-0.064

## Admin2Out of VA	-4.524e-05	2.762e-02	-0.002
## Admin2Out of VT	-4.803e-04	2.866e-02	-0.017
## Admin2Out of WA	-3.346e-02	2.795e-02	-1.197
## Admin2Out of WI	-1.045e-03	2.773e-02	-0.038
## Admin2Out of WV	-3.873e-04	2.771e-02	-0.014
## Admin2Out of WY	-8.733e-04	2.822e-02	-0.031
## Admin2Outagamie	-1.045e-03	2.773e-02	-0.038
## Admin2Overton	-1.078e-05	2.761e-02	0.000
## Admin2Owen	-2.460e-04	2.399e-02	-0.010
## Admin2Owsley	-1.730e-04	2.760e-02	-0.006
## Admin2Owyhee	-1.493e-03	2.797e-02	-0.053
## Admin2Oxford	-6.077e-04	2.830e-02	-0.021
## Admin2Ozark	-4.355e-04	2.761e-02	-0.016
## Admin2Ozaukee	-1.045e-03	2.773e-02	-0.038
## Admin2Pacific	-3.346e-02	2.795e-02	-1.197
## Admin2Page	-9.753e-05	2.398e-02	-0.004
## Admin2Palm Beach	-2.258e-06	2.772e-02	0.000
## Admin2Palo Alto	-1.498e-04	2.761e-02	-0.005
## Admin2Palo Pinto	6.602e-03	2.759e-02	0.239
## Admin2Pamlico	6.709e-05	2.767e-02	0.002
## Admin2Panola	3.221e-03	2.400e-02	0.134
## Admin2Park	-1.016e-03	2.284e-02	-0.044
## Admin2Parke	-3.189e-04	2.762e-02	-0.012
## Admin2Parker	6.602e-03	2.759e-02	0.239
## Admin2Parmer	6.602e-03	2.759e-02	0.239
## Admin2Pasco	-2.258e-06	2.772e-02	0.000
## Admin2Pasquotank	6.709e-05	2.767e-02	0.002
## Admin2Passaic	-9.691e-05	2.816e-02	-0.003
## Admin2Patillas	-4.077e-03	3.034e-02	-0.134
## Admin2Patrick	-4.524e-05	2.762e-02	-0.002
## Admin2Paulding	-1.117e-04	2.398e-02	-0.005
## Admin2Pawnee	-6.125e-04	2.268e-02	-0.027
## Admin2Payette	-1.493e-03	2.797e-02	-0.053
## Admin2Payne	-4.258e-04	2.773e-02	-0.015
## Admin2Peach	6.642e-05	2.758e-02	0.002
## Admin2Pearl River	-1.596e-04	2.766e-02	-0.006
## Admin2Pecos	6.602e-03	2.759e-02	0.239
## Admin2Pembina	-9.715e-04	2.788e-02	-0.035
## Admin2Pemiscot	-4.355e-04	2.761e-02	-0.016
## Admin2Pend Oreille	-3.346e-02	2.795e-02	-1.197
## Admin2Pender	6.709e-05	2.767e-02	0.002
## Admin2Pendleton	-2.802e-04	2.402e-02	-0.012
## Admin2Pennington	-7.824e-04	2.410e-02	-0.032
## Admin2Penobscot	-6.077e-04	2.830e-02	-0.021
## Admin2Penuelas	-4.077e-03	3.034e-02	-0.134
## Admin2Peoria	-2.254e-04	2.760e-02	-0.008
## Admin2Pepin	-1.045e-03	2.773e-02	-0.038
## Admin2Perkins	-7.695e-04	2.406e-02	-0.032
## Admin2Perquimans	6.709e-05	2.767e-02	0.002
## Admin2Perry	-2.266e-04	2.064e-02	-0.011
## Admin2Pershing	-1.786e-03	2.861e-02	-0.062
## Admin2Person	6.709e-05	2.767e-02	0.002
## Admin2Petersburg	-4.331e-04	2.492e-02	-0.017
## Admin2Petroleum	-7.524e-04	2.786e-02	-0.027

## Admin2Pettis	-4.355e-04	2.761e-02	-0.016
## Admin2Phelps	-7.632e-04	2.400e-02	-0.032
## Admin2Philadelphia	-3.570e-04	2.768e-02	-0.013
## Admin2Phillips	-7.586e-04	2.200e-02	-0.034
## Admin2Piatt	-2.254e-04	2.760e-02	-0.008
## Admin2Pickaway	-2.899e-04	2.763e-02	-0.010
## Admin2Pickens	1.038e-04	2.238e-02	0.005
## Admin2Pickett	-1.078e-05	2.761e-02	0.000
## Admin2Pierce	-7.300e-03	2.156e-02	-0.339
## Admin2Pike	-2.188e-04	2.064e-02	-0.011
## Admin2Pima	-7.225e-04	2.997e-02	-0.024
## Admin2Pinal	-7.225e-04	2.997e-02	-0.024
## Admin2Pine	-1.117e-03	2.776e-02	-0.040
## Admin2Pinellas	-2.258e-06	2.772e-02	0.000
## Admin2Pipestone	-1.117e-03	2.776e-02	-0.040
## Admin2Piscataquis	-6.077e-04	2.830e-02	-0.021
## Admin2Pitkin	-1.421e-03	2.783e-02	-0.051
## Admin2Pitt	6.709e-05	2.767e-02	0.002
## Admin2Pittsburg	-4.258e-04	2.773e-02	-0.015
## Admin2Pittsylvania	-4.524e-05	2.762e-02	-0.002
## Admin2Piute	-1.807e-03	2.815e-02	-0.064
## Admin2Placer	-6.949e-05	2.853e-02	-0.002
## Admin2Plaquemines	-1.476e-04	2.783e-02	-0.005
## Admin2Platte	-7.999e-04	2.275e-02	-0.035
## Admin2Pleasants	-3.873e-04	2.771e-02	-0.014
## Admin2Plumas	-6.949e-05	2.853e-02	-0.002
## Admin2Plymouth	-3.272e-04	2.424e-02	-0.014
## Admin2Pocahontas	-2.686e-04	2.402e-02	-0.011
## Admin2Poinsett	-5.404e-04	2.766e-02	-0.020
## Admin2Pointe Coupee	-1.476e-04	2.783e-02	-0.005
## Admin2Polk	1.065e-04	2.049e-02	0.005
## Admin2Ponce	-4.077e-03	3.034e-02	-0.134
## Admin2Pondera	-7.524e-04	2.786e-02	-0.027
## Admin2Pontotoc	-2.927e-04	2.404e-02	-0.012
## Admin2Pope	-6.276e-04	2.268e-02	-0.028
## Admin2Poquoson	-4.524e-05	2.762e-02	-0.002
## Admin2Portage	-6.672e-04	2.403e-02	-0.028
## Admin2Porter	-3.189e-04	2.762e-02	-0.012
## Admin2Portsmouth	-4.524e-05	2.762e-02	-0.002
## Admin2Posey	-3.189e-04	2.762e-02	-0.012
## Admin2Pottawatomie	-3.733e-04	2.403e-02	-0.016
## Admin2Pottawattamie	-1.498e-04	2.761e-02	-0.005
## Admin2Potter	1.932e-03	2.268e-02	0.085
## Admin2Powder River	-7.524e-04	2.786e-02	-0.027
## Admin2Powell	-4.627e-04	2.406e-02	-0.019
## Admin2Power	-1.493e-03	2.797e-02	-0.053
## Admin2Poweshiek	-1.498e-04	2.761e-02	-0.005
## Admin2Powhatan	-4.524e-05	2.762e-02	-0.002
## Admin2Prairie	-6.464e-04	2.408e-02	-0.027
## Admin2Pratt	-3.208e-04	2.762e-02	-0.012
## Admin2Preble	-2.899e-04	2.763e-02	-0.010
## Admin2Prentiss	-1.596e-04	2.766e-02	-0.006
## Admin2Presidio	6.602e-03	2.759e-02	0.239
## Admin2Presque Isle	-2.370e-04	2.781e-02	-0.009

## Admin2Preston	-3.873e-04	2.771e-02	-0.014
## Admin2Price	-1.045e-03	2.773e-02	-0.038
## Admin2Prince Edward	-4.524e-05	2.762e-02	-0.002
## Admin2Prince George	-4.524e-05	2.762e-02	-0.002
## Admin2Prince George's	-3.918e-05	2.818e-02	-0.001
## Admin2Prince of Wales-Hyder	-8.209e-04	3.070e-02	-0.027
## Admin2Prince William	-4.524e-05	2.762e-02	-0.002
## Admin2Providence	-7.156e-05	2.942e-02	-0.002
## Admin2Prowers	-1.421e-03	2.783e-02	-0.051
## Admin2Pueblo	-1.421e-03	2.783e-02	-0.051
## Admin2Pulaski	-2.389e-04	2.102e-02	-0.011
## Admin2Pushmataha	-4.258e-04	2.773e-02	-0.015
## Admin2Putnam	-2.484e-04	2.074e-02	-0.012
## Admin2Quay	-1.166e-03	2.821e-02	-0.041
## Admin2Quebradillas	-4.077e-03	3.034e-02	-0.134
## Admin2Queen Anne's	-3.918e-05	2.818e-02	-0.001
## Admin2Queens	-6.316e-04	2.774e-02	-0.023
## Admin2Quitman	-4.660e-05	2.399e-02	-0.002
## Admin2Rabun	6.642e-05	2.758e-02	0.002
## Admin2Racine	-1.045e-03	2.773e-02	-0.038
## Admin2Radford	-4.524e-05	2.762e-02	-0.002
## Admin2Rains	6.602e-03	2.759e-02	0.239
## Admin2Raleigh	-3.873e-04	2.771e-02	-0.014
## Admin2Ralls	-4.355e-04	2.761e-02	-0.016
## Admin2Ramsey	-1.044e-03	2.413e-02	-0.043
## Admin2Randall	6.602e-03	2.759e-02	0.239
## Admin2Randolph	-1.911e-04	2.086e-02	-0.009
## Admin2Rankin	-1.596e-04	2.766e-02	-0.006
## Admin2Ransom	-9.715e-04	2.788e-02	-0.035
## Admin2Rapides	-1.476e-04	2.783e-02	-0.005
## Admin2Rappahannock	-4.524e-05	2.762e-02	-0.002
## Admin2Ravalli	-7.524e-04	2.786e-02	-0.027
## Admin2Rawlins	-3.208e-04	2.762e-02	-0.012
## Admin2Ray	-4.355e-04	2.761e-02	-0.016
## Admin2Reagan	6.602e-03	2.759e-02	0.239
## Admin2Real	6.602e-03	2.759e-02	0.239
## Admin2Red Lake	-1.117e-03	2.776e-02	-0.040
## Admin2Red River	3.227e-03	2.405e-02	0.134
## Admin2Red Willow	-1.091e-03	2.765e-02	-0.039
## Admin2Redwood	-1.117e-03	2.776e-02	-0.040
## Admin2Reeves	6.602e-03	2.759e-02	0.239
## Admin2Refugio	6.602e-03	2.759e-02	0.239
## Admin2Reno	-3.208e-04	2.762e-02	-0.012
## Admin2Rensselaer	-6.316e-04	2.774e-02	-0.023
## Admin2Renville	-1.044e-03	2.413e-02	-0.043
## Admin2Republic	-3.208e-04	2.762e-02	-0.012
## Admin2Reynolds	-4.355e-04	2.761e-02	-0.016
## Admin2Rhea	-1.078e-05	2.761e-02	0.000
## Admin2Rice	-7.189e-04	2.404e-02	-0.030
## Admin2Rich	-1.807e-03	2.815e-02	-0.064
## Admin2Richardson	-1.091e-03	2.765e-02	-0.039
## Admin2Richland	-4.902e-04	2.091e-02	-0.023
## Admin2Richmond	-1.358e-04	2.195e-02	-0.006
## Admin2Richmond City	-4.524e-05	2.762e-02	-0.002

## Admin2Riley	-3.208e-04	2.762e-02	-0.012
## Admin2Rincon	-4.077e-03	3.034e-02	-0.134
## Admin2Ringgold	-1.498e-04	2.761e-02	-0.005
## Admin2Rio Arriba	-1.166e-03	2.821e-02	-0.041
## Admin2Rio Blanco	-1.421e-03	2.783e-02	-0.051
## Admin2Rio Grande	-2.749e-03	2.492e-02	-0.110
## Admin2Ripley	-3.772e-04	2.399e-02	-0.016
## Admin2Ritchie	-3.873e-04	2.771e-02	-0.014
## Admin2Riverside	-6.949e-05	2.853e-02	-0.002
## Admin2Roane	-1.991e-04	2.402e-02	-0.008
## Admin2Roanoke	-4.524e-05	2.762e-02	-0.002
## Admin2Roanoke City	-4.524e-05	2.762e-02	-0.002
## Admin2Roberts	3.077e-03	2.404e-02	0.128
## Admin2Robertson	2.139e-03	2.265e-02	0.094
## Admin2Robeson	6.709e-05	2.767e-02	0.002
## Admin2Rock	-1.084e-03	2.270e-02	-0.048
## Admin2Rock Island	-2.254e-04	2.760e-02	-0.008
## Admin2Rockbridge	-4.524e-05	2.762e-02	-0.002
## Admin2Rockcastle	-1.730e-04	2.760e-02	-0.006
## Admin2Rockdale	6.642e-05	2.758e-02	0.002
## Admin2Rockingham	-1.506e-04	2.285e-02	-0.007
## Admin2Rockland	-6.316e-04	2.774e-02	-0.023
## Admin2Rockwall	6.602e-03	2.759e-02	0.239
## Admin2Roger Mills	-4.258e-04	2.773e-02	-0.015
## Admin2Rogers	-4.258e-04	2.773e-02	-0.015
## Admin2Rolette	-9.715e-04	2.788e-02	-0.035
## Admin2Rooks	-3.208e-04	2.762e-02	-0.012
## Admin2Roosevelt	-9.591e-04	2.425e-02	-0.040
## Admin2Roscommon	-2.370e-04	2.781e-02	-0.009
## Admin2Roseau	-1.117e-03	2.776e-02	-0.040
## Admin2Rosebud	-7.524e-04	2.786e-02	-0.027
## Admin2Ross	-2.899e-04	2.763e-02	-0.010
## Admin2Routt	-1.421e-03	2.783e-02	-0.051
## Admin2Rowan	-5.296e-05	2.400e-02	-0.002
## Admin2Runnels	6.602e-03	2.759e-02	0.239
## Admin2Rush	-3.199e-04	2.399e-02	-0.013
## Admin2Rusk	2.779e-03	2.401e-02	0.116
## Admin2Russell	-7.356e-05	2.194e-02	-0.003
## Admin2Rutherford	2.816e-05	2.400e-02	0.001
## Admin2Rutland	-4.803e-04	2.866e-02	-0.017
## Admin2Sabana Grande	-4.077e-03	3.034e-02	-0.134
## Admin2Sabine	3.227e-03	2.405e-02	0.134
## Admin2Sac	-1.498e-04	2.761e-02	-0.005
## Admin2Sacramento	-6.949e-05	2.853e-02	-0.002
## Admin2Sagadahoc	-6.077e-04	2.830e-02	-0.021
## Admin2Saginaw	-2.370e-04	2.781e-02	-0.009
## Admin2Saguache	-1.421e-03	2.783e-02	-0.051
## Admin2Salem	-7.107e-05	2.416e-02	-0.003
## Admin2Salinas	-4.077e-03	3.034e-02	-0.134
## Admin2Saline	-5.226e-04	2.153e-02	-0.024
## Admin2Salt Lake	-1.807e-03	2.815e-02	-0.064
## Admin2Saluda	1.918e-15	2.712e-02	0.000
## Admin2Sampson	6.709e-05	2.767e-02	0.002
## Admin2San Augustine	6.602e-03	2.759e-02	0.239



## Admin2San Benito	-6.949e-05	2.853e-02	-0.002
## Admin2San Bernardino	-6.949e-05	2.853e-02	-0.002
## Admin2San Diego	-6.949e-05	2.853e-02	-0.002
## Admin2San Francisco	-6.949e-05	2.853e-02	-0.002
## Admin2San German	-4.077e-03	3.034e-02	-0.134
## Admin2San Jacinto	6.602e-03	2.759e-02	0.239
## Admin2San Joaquin	-6.949e-05	2.853e-02	-0.002
## Admin2San Juan	-8.386e-03	2.181e-02	-0.384
## Admin2San Lorenzo	-4.077e-03	3.034e-02	-0.134
## Admin2San Luis Obispo	-6.949e-05	2.853e-02	-0.002
## Admin2San Mateo	-6.949e-05	2.853e-02	-0.002
## Admin2San Miguel	-1.293e-03	2.425e-02	-0.053
## Admin2San Patricio	6.602e-03	2.759e-02	0.239
## Admin2San Saba	6.602e-03	2.759e-02	0.239
## Admin2San Sebastian	-4.077e-03	3.034e-02	-0.134
## Admin2Sanborn	-4.479e-04	2.779e-02	-0.016
## Admin2Sanders	-7.524e-04	2.786e-02	-0.027
## Admin2Sandoval	-1.166e-03	2.821e-02	-0.041
## Admin2Sandusky	-2.899e-04	2.763e-02	-0.010
## Admin2Sangamon	-2.254e-04	2.760e-02	-0.008
## Admin2Sanilac	-2.370e-04	2.781e-02	-0.009
## Admin2Sanpete	-1.807e-03	2.815e-02	-0.064
## Admin2Santa Barbara	-6.949e-05	2.853e-02	-0.002
## Admin2Santa Clara	-6.949e-05	2.853e-02	-0.002
## Admin2Santa Cruz	-3.960e-04	2.506e-02	-0.016
## Admin2Santa Fe	-1.166e-03	2.821e-02	-0.041
## Admin2Santa Isabel	-4.077e-03	3.034e-02	-0.134
## Admin2Santa Rosa	-2.258e-06	2.772e-02	0.000
## Admin2Sarasota	-2.258e-06	2.772e-02	0.000
## Admin2Saratoga	-6.316e-04	2.774e-02	-0.023
## Admin2Sargent	-9.715e-04	2.788e-02	-0.035
## Admin2Sarpy	-1.091e-03	2.765e-02	-0.039
## Admin2Sauk	-1.045e-03	2.773e-02	-0.038
## Admin2Saunders	-1.091e-03	2.765e-02	-0.039
## Admin2Sawyer	-1.045e-03	2.773e-02	-0.038
## Admin2Schenectady	-6.316e-04	2.774e-02	-0.023
## Admin2Schleicher	6.602e-03	2.759e-02	0.239
## Admin2Schley	6.642e-05	2.758e-02	0.002
## Admin2Schoharie	-6.316e-04	2.774e-02	-0.023
## Admin2Schoolcraft	-2.370e-04	2.781e-02	-0.009
## Admin2Schuyler	-4.308e-04	2.267e-02	-0.019
## Admin2Schuylkill	-3.570e-04	2.768e-02	-0.013
## Admin2Scioto	-2.899e-04	2.763e-02	-0.010
## Admin2Scotland	-1.842e-04	2.400e-02	-0.008
## Admin2Scott	-3.179e-04	2.056e-02	-0.015
## Admin2Scotts Bluff	-1.091e-03	2.765e-02	-0.039
## Admin2Screven	6.642e-05	2.758e-02	0.002
## Admin2Scurry	6.602e-03	2.759e-02	0.239
## Admin2Searcy	-5.404e-04	2.766e-02	-0.020
## Admin2Sebastian	-5.404e-04	2.766e-02	-0.020
## Admin2Sedgwick	-8.708e-04	2.406e-02	-0.036
## Admin2Seminole	-1.205e-04	2.268e-02	-0.005
## Admin2Seneca	-4.607e-04	2.403e-02	-0.019
## Admin2Sequatchie	-1.078e-05	2.761e-02	0.000

## Admin2Sequoyah	-4.258e-04	2.773e-02	-0.015
## Admin2Sevier	-7.859e-04	2.274e-02	-0.035
## Admin2Seward	-7.059e-04	2.401e-02	-0.029
## Admin2Shackelford	6.602e-03	2.759e-02	0.239
## Admin2Shannon	-4.355e-04	2.761e-02	-0.016
## Admin2Sharkey	-1.596e-04	2.766e-02	-0.006
## Admin2Sharp	-5.404e-04	2.766e-02	-0.020
## Admin2Shasta	-6.949e-05	2.853e-02	-0.002
## Admin2Shawano	-1.045e-03	2.773e-02	-0.038
## Admin2Shawnee	-3.208e-04	2.762e-02	-0.012
## Admin2Sheboygan	-1.045e-03	2.773e-02	-0.038
## Admin2Shelby	5.826e-04	2.074e-02	0.028
## Admin2Shenandoah	-4.524e-05	2.762e-02	-0.002
## Admin2Sherburne	-1.117e-03	2.776e-02	-0.040
## Admin2Sheridan	-8.018e-04	2.160e-02	-0.037
## Admin2Sherman	1.031e-03	2.198e-02	0.047
## Admin2Shiawassee	-2.370e-04	2.781e-02	-0.009
## Admin2Shoshone	-1.493e-03	2.797e-02	-0.053
## Admin2Sibley	-1.117e-03	2.776e-02	-0.040
## Admin2Sierra	-6.177e-04	2.446e-02	-0.025
## Admin2Silver Bow	-7.524e-04	2.786e-02	-0.027
## Admin2Simpson	-1.663e-04	2.400e-02	-0.007
## Admin2Sioux	-7.374e-04	2.270e-02	-0.032
## Admin2Siskiyou	-6.949e-05	2.853e-02	-0.002
## Admin2Sitka	-8.209e-04	3.070e-02	-0.027
## Admin2Skagit	-3.346e-02	2.795e-02	-1.197
## Admin2Skagway	-8.209e-04	3.070e-02	-0.027
## Admin2Skamania	-3.346e-02	2.795e-02	-1.197
## Admin2Slope	-9.715e-04	2.788e-02	-0.035
## Admin2Smith	1.528e-03	2.196e-02	0.070
## Admin2Smyth	-4.524e-05	2.762e-02	-0.002
## Admin2Snohomish	-3.346e-02	2.795e-02	-1.197
## Admin2Snyder	-3.570e-04	2.768e-02	-0.013
## Admin2Socorro	-1.166e-03	2.821e-02	-0.041
## Admin2Solano	-6.949e-05	2.853e-02	-0.002
## Admin2Somerset	-2.752e-04	2.210e-02	-0.012
## Admin2Somervell	6.602e-03	2.759e-02	0.239
## Admin2Sonoma	-6.949e-05	2.853e-02	-0.002
## Admin2Southampton	-4.524e-05	2.762e-02	-0.002
## Admin2Southeast Fairbanks	-8.209e-04	3.070e-02	-0.027
## Admin2Southeast Utah	-1.807e-03	2.815e-02	-0.064
## Admin2Southwest Utah	-1.807e-03	2.815e-02	-0.064
## Admin2Spalding	6.642e-05	2.758e-02	0.002
## Admin2Spartanburg	1.919e-15	2.712e-02	0.000
## Admin2Spencer	-2.460e-04	2.399e-02	-0.010
## Admin2Spink	-4.479e-04	2.779e-02	-0.016
## Admin2Spokane	-3.346e-02	2.795e-02	-1.197
## Admin2Spotsylvania	-4.524e-05	2.762e-02	-0.002
## Admin2St. Bernard	-1.476e-04	2.783e-02	-0.005
## Admin2St. Charles	-2.915e-04	2.405e-02	-0.012
## Admin2St. Clair	-1.632e-04	2.197e-02	-0.007
## Admin2St. Croix	-1.045e-03	2.773e-02	-0.038
## Admin2St. Francis	-5.404e-04	2.766e-02	-0.020
## Admin2St. Francois	-4.355e-04	2.761e-02	-0.016

## Admin2St. Helena	-1.476e-04	2.783e-02	-0.005
## Admin2St. James	-1.476e-04	2.783e-02	-0.005
## Admin2St. John the Baptist	-1.476e-04	2.783e-02	-0.005
## Admin2St. Johns	-2.258e-06	2.772e-02	0.000
## Admin2St. Joseph	-2.780e-04	2.405e-02	-0.012
## Admin2St. Landry	-1.476e-04	2.783e-02	-0.005
## Admin2St. Lawrence	-6.316e-04	2.774e-02	-0.023
## Admin2St. Louis	-7.762e-04	2.404e-02	-0.032
## Admin2St. Louis City	-4.355e-04	2.761e-02	-0.016
## Admin2St. Lucie	-2.258e-06	2.772e-02	0.000
## Admin2St. Martin	-1.476e-04	2.783e-02	-0.005
## Admin2St. Mary	-1.476e-04	2.783e-02	-0.005
## Admin2St. Mary's	-3.918e-05	2.818e-02	-0.001
## Admin2St. Tammany	-1.476e-04	2.783e-02	-0.005
## Admin2Stafford	-1.830e-04	2.398e-02	-0.008
## Admin2Stanislaus	-6.949e-05	2.853e-02	-0.002
## Admin2Stanley	-4.479e-04	2.779e-02	-0.016
## Admin2Stanly	6.709e-05	2.767e-02	0.002
## Admin2Stanton	-7.059e-04	2.401e-02	-0.029
## Admin2Stark	-4.956e-04	2.270e-02	-0.022
## Admin2Starke	-3.189e-04	2.762e-02	-0.012
## Admin2Starr	6.602e-03	2.759e-02	0.239
## Admin2Staunton	-4.524e-05	2.762e-02	-0.002
## Admin2Ste. Genevieve	-4.355e-04	2.761e-02	-0.016
## Admin2Stearns	-1.117e-03	2.776e-02	-0.040
## Admin2Steele	-1.044e-03	2.413e-02	-0.043
## Admin2Stephens	2.081e-03	2.266e-02	0.092
## Admin2Stephenson	-2.254e-04	2.760e-02	-0.008
## Admin2Sterling	6.602e-03	2.759e-02	0.239
## Admin2Steuben	-4.753e-04	2.403e-02	-0.020
## Admin2Stevens	-1.163e-02	2.273e-02	-0.512
## Admin2Stewart	2.782e-05	2.397e-02	0.001
## Admin2Stillwater	-7.524e-04	2.786e-02	-0.027
## Admin2Stoddard	-4.355e-04	2.761e-02	-0.016
## Admin2Stokes	6.709e-05	2.767e-02	0.002
## Admin2Stone	-3.785e-04	2.267e-02	-0.017
## Admin2Stonewall	6.602e-03	2.759e-02	0.239
## Admin2Storey	-1.786e-03	2.861e-02	-0.062
## Admin2Story	-1.498e-04	2.761e-02	-0.005
## Admin2Strafford	-4.736e-04	2.898e-02	-0.016
## Admin2Stutsman	-9.715e-04	2.788e-02	-0.035
## Admin2Sublette	-8.733e-04	2.822e-02	-0.031
## Admin2Suffolk	-3.938e-04	2.279e-02	-0.017
## Admin2Sullivan	-3.712e-04	2.129e-02	-0.017
## Admin2Sully	-4.479e-04	2.779e-02	-0.016
## Admin2Summers	-3.873e-04	2.771e-02	-0.014
## Admin2Summit	-1.172e-03	2.277e-02	-0.051
## Admin2Sumner	-1.658e-04	2.399e-02	-0.007
## Admin2Sumter	7.725e-05	2.174e-02	0.004
## Admin2Sunflower	-1.596e-04	2.766e-02	-0.006
## Admin2Surry	1.093e-05	2.400e-02	0.000
## Admin2Susquehanna	-3.570e-04	2.768e-02	-0.013
## Admin2Sussex	-3.298e-05	2.311e-02	-0.001
## Admin2Sutter	-6.949e-05	2.853e-02	-0.002

## Admin2Sutton	6.602e-03	2.759e-02	0.239
## Admin2Suwannee	-2.258e-06	2.772e-02	0.000
## Admin2Swain	6.709e-05	2.767e-02	0.002
## Admin2Sweet Grass	-7.524e-04	2.786e-02	-0.027
## Admin2Sweetwater	-8.733e-04	2.822e-02	-0.031
## Admin2Swift	-1.117e-03	2.776e-02	-0.040
## Admin2Swisher	6.602e-03	2.759e-02	0.239
## Admin2Switzerland	-3.189e-04	2.762e-02	-0.012
## Admin2Talbot	1.362e-05	2.413e-02	0.001
## Admin2Taliaferro	6.642e-05	2.758e-02	0.002
## Admin2Talladega	2.449e-04	2.765e-02	0.009
## Admin2Tallahatchie	-1.596e-04	2.766e-02	-0.006
## Admin2Tallapoosa	2.449e-04	2.765e-02	0.009
## Admin2Tama	-1.498e-04	2.761e-02	-0.005
## Admin2Taney	-4.355e-04	2.761e-02	-0.016
## Admin2Tangipahoa	-1.476e-04	2.783e-02	-0.005
## Admin2Taos	-1.166e-03	2.821e-02	-0.041
## Admin2Tarrant	6.602e-03	2.759e-02	0.239
## Admin2Tate	-1.596e-04	2.766e-02	-0.006
## Admin2Tattnall	6.642e-05	2.758e-02	0.002
## Admin2Taylor	7.016e-04	2.102e-02	0.033
## Admin2Tazewell	-1.353e-04	2.398e-02	-0.006
## Admin2Tehama	-6.949e-05	2.853e-02	-0.002
## Admin2Telfair	6.642e-05	2.758e-02	0.002
## Admin2Teller	-1.421e-03	2.783e-02	-0.051
## Admin2Tensas	-1.476e-04	2.783e-02	-0.005
## Admin2Terrebonne	-1.476e-04	2.783e-02	-0.005
## Admin2Terrell	3.334e-03	2.397e-02	0.139
## Admin2Terry	6.602e-03	2.759e-02	0.239
## Admin2Teton	-1.040e-03	2.286e-02	-0.045
## Admin2Texas	-4.306e-04	2.402e-02	-0.018
## Admin2Thayer	-1.091e-03	2.765e-02	-0.039
## Admin2Thomas	-4.485e-04	2.265e-02	-0.020
## Admin2Throckmorton	6.602e-03	2.759e-02	0.239
## Admin2Thurston	-1.728e-02	2.411e-02	-0.717
## Admin2Tift	6.642e-05	2.758e-02	0.002
## Admin2Tillamook	-1.066e-03	2.788e-02	-0.038
## Admin2Tillman	-4.258e-04	2.773e-02	-0.015
## Admin2Tioga	-4.943e-04	2.405e-02	-0.021
## Admin2Tippah	-1.596e-04	2.766e-02	-0.006
## Admin2Tippecanoe	-3.189e-04	2.762e-02	-0.012
## Admin2Tipton	-1.649e-04	2.399e-02	-0.007
## Admin2Tishomingo	-1.596e-04	2.766e-02	-0.006
## Admin2Titus	6.602e-03	2.759e-02	0.239
## Admin2Toa Alta	-4.077e-03	3.034e-02	-0.134
## Admin2Toa Baja	-4.077e-03	3.034e-02	-0.134
## Admin2Todd	-5.793e-04	2.271e-02	-0.026
## Admin2Tolland	-5.470e-04	2.969e-02	-0.018
## Admin2Tom Green	6.602e-03	2.759e-02	0.239
## Admin2Tompkins	-6.316e-04	2.774e-02	-0.023
## Admin2Tooele	-1.807e-03	2.815e-02	-0.064
## Admin2Toole	-7.524e-04	2.786e-02	-0.027
## Admin2Toombs	6.642e-05	2.758e-02	0.002
## Admin2Torrance	-1.166e-03	2.821e-02	-0.041

## Admin2Towner	-9.715e-04	2.788e-02	-0.035
## Admin2Towns	6.642e-05	2.758e-02	0.002
## Admin2Traill	-9.715e-04	2.788e-02	-0.035
## Admin2Transylvania	6.709e-05	2.767e-02	0.002
## Admin2Traverse	-1.117e-03	2.776e-02	-0.040
## Admin2Travis	6.602e-03	2.759e-02	0.239
## Admin2Treasure	-7.524e-04	2.786e-02	-0.027
## Admin2Trego	-3.208e-04	2.762e-02	-0.012
## Admin2Trempealeau	-1.045e-03	2.773e-02	-0.038
## Admin2Treutlen	6.642e-05	2.758e-02	0.002
## Admin2TriCounty	-1.807e-03	2.815e-02	-0.064
## Admin2Trigg	-1.730e-04	2.760e-02	-0.006
## Admin2Trimble	-1.730e-04	2.760e-02	-0.006
## Admin2Trinity	3.266e-03	2.425e-02	0.135
## Admin2Tripp	-4.479e-04	2.779e-02	-0.016
## Admin2Troup	6.642e-05	2.758e-02	0.002
## Admin2Trousedale	-1.078e-05	2.761e-02	0.000
## Admin2Trujillo Alto	-4.077e-03	3.034e-02	-0.134
## Admin2Trumbull	-2.899e-04	2.763e-02	-0.010
## Admin2Tucker	-3.873e-04	2.771e-02	-0.014
## Admin2Tulare	-6.949e-05	2.853e-02	-0.002
## Admin2Tulsa	-4.258e-04	2.773e-02	-0.015
## Admin2Tunica	-1.596e-04	2.766e-02	-0.006
## Admin2Tuolumne	-6.949e-05	2.853e-02	-0.002
## Admin2Turner	-1.907e-04	2.403e-02	-0.008
## Admin2Tuscaloosa	2.449e-04	2.765e-02	0.009
## Admin2Tuscarawas	-2.899e-04	2.763e-02	-0.010
## Admin2Tuscola	-2.370e-04	2.781e-02	-0.009
## Admin2Twiggs	6.642e-05	2.758e-02	0.002
## Admin2Twin Falls	-1.493e-03	2.797e-02	-0.053
## Admin2Tyler	3.107e-03	2.401e-02	0.129
## Admin2Tyrrell	6.709e-05	2.767e-02	0.002
## Admin2Uinta	-8.733e-04	2.822e-02	-0.031
## Admin2Uintah	-1.807e-03	2.815e-02	-0.064
## Admin2Ulster	-6.316e-04	2.774e-02	-0.023
## Admin2Umatilla	-1.066e-03	2.788e-02	-0.038
## Admin2Unassigned	-1.097e-03	1.989e-02	-0.055
## Admin2Unicoi	-1.078e-05	2.761e-02	0.000
## Admin2Union	-2.788e-04	2.018e-02	-0.014
## Admin2Upshur	3.107e-03	2.401e-02	0.129
## Admin2Upson	6.642e-05	2.758e-02	0.002
## Admin2Upton	6.602e-03	2.759e-02	0.239
## Admin2Utah	-1.807e-03	2.815e-02	-0.064
## Admin2Utuado	-4.077e-03	3.034e-02	-0.134
## Admin2Uvalde	6.602e-03	2.759e-02	0.239
## Admin2Val Verde	6.602e-03	2.759e-02	0.239
## Admin2Valdez-Cordova	-8.209e-04	3.070e-02	-0.027
## Admin2Valencia	-1.166e-03	2.821e-02	-0.041
## Admin2Valley	-1.112e-03	2.276e-02	-0.049
## Admin2Van Buren	-2.345e-04	2.197e-02	-0.011
## Admin2Van Wert	-2.899e-04	2.763e-02	-0.010
## Admin2Van Zandt	6.602e-03	2.759e-02	0.239
## Admin2Vance	6.709e-05	2.767e-02	0.002
## Admin2Vanderburgh	-3.189e-04	2.762e-02	-0.012

## Admin2Vega Alta	-4.077e-03	3.034e-02	-0.134
## Admin2Vega Baja	-4.077e-03	3.034e-02	-0.134
## Admin2Venango	-3.570e-04	2.768e-02	-0.013
## Admin2Ventura	-6.949e-05	2.853e-02	-0.002
## Admin2Vermilion	-1.865e-04	2.405e-02	-0.008
## Admin2Vermillion	-3.189e-04	2.762e-02	-0.012
## Admin2Vernon	-5.426e-04	2.270e-02	-0.024
## Admin2Victoria	6.602e-03	2.759e-02	0.239
## Admin2Vieques	-4.077e-03	3.034e-02	-0.134
## Admin2Vigo	-3.189e-04	2.762e-02	-0.012
## Admin2Vilas	-1.045e-03	2.773e-02	-0.038
## Admin2Villalba	-4.077e-03	3.034e-02	-0.134
## Admin2Vinton	-2.899e-04	2.763e-02	-0.010
## Admin2Virginia Beach	-4.524e-05	2.762e-02	-0.002
## Admin2Volusia	-2.258e-06	2.772e-02	0.000
## Admin2Wabash	-2.721e-04	2.399e-02	-0.011
## Admin2Wabasha	-1.117e-03	2.776e-02	-0.040
## Admin2Wabaunsee	-3.208e-04	2.762e-02	-0.012
## Admin2Wadena	-1.117e-03	2.776e-02	-0.040
## Admin2Wagoner	-4.258e-04	2.773e-02	-0.015
## Admin2Wahkiakum	-3.346e-02	2.795e-02	-1.197
## Admin2Wake	6.709e-05	2.767e-02	0.002
## Admin2Wakulla	-2.258e-06	2.772e-02	0.000
## Admin2Waldo	-6.077e-04	2.830e-02	-0.021
## Admin2Walker	2.304e-03	2.265e-02	0.102
## Admin2Walla Walla	-3.346e-02	2.795e-02	-1.197
## Admin2Wallace	-3.208e-04	2.762e-02	-0.012
## Admin2Waller	6.602e-03	2.759e-02	0.239
## Admin2Wallowa	-1.066e-03	2.788e-02	-0.038
## Admin2Walsh	-9.715e-04	2.788e-02	-0.035
## Admin2Walthall	-1.596e-04	2.766e-02	-0.006
## Admin2Walton	3.208e-05	2.401e-02	0.001
## Admin2Walworth	-7.463e-04	2.408e-02	-0.031
## Admin2Wapello	-1.498e-04	2.761e-02	-0.005
## Admin2Ward	2.815e-03	2.406e-02	0.117
## Admin2Ware	6.642e-05	2.758e-02	0.002
## Admin2Warren	-1.971e-04	2.038e-02	-0.010
## Admin2Warrick	-3.189e-04	2.762e-02	-0.012
## Admin2Wasatch	-1.807e-03	2.815e-02	-0.064
## Admin2Wasco	-1.066e-03	2.788e-02	-0.038
## Admin2Waseca	-1.117e-03	2.776e-02	-0.040
## Admin2Washakie	-8.733e-04	2.822e-02	-0.031
## Admin2Washburn	-1.045e-03	2.773e-02	-0.038
## Admin2Washington	-2.417e-04	2.002e-02	-0.012
## Admin2Washita	-4.258e-04	2.773e-02	-0.015
## Admin2Washoe	-1.786e-03	2.861e-02	-0.062
## Admin2Washtenaw	-2.370e-04	2.781e-02	-0.009
## Admin2Watauga	6.709e-05	2.767e-02	0.002
## Admin2Watsonwan	-1.117e-03	2.776e-02	-0.040
## Admin2Waukesha	-1.045e-03	2.773e-02	-0.038
## Admin2Waupaca	-1.045e-03	2.773e-02	-0.038
## Admin2Waushara	-1.045e-03	2.773e-02	-0.038
## Admin2Wayne	-3.837e-04	2.030e-02	-0.019
## Admin2Waynesboro	-4.524e-05	2.762e-02	-0.002

## Admin2Weakley	-1.078e-05	2.761e-02	0.000
## Admin2Webb	6.602e-03	2.759e-02	0.239
## Admin2Weber	-1.807e-03	2.815e-02	-0.064
## Admin2Weber-Morgan	-1.807e-03	2.815e-02	-0.064
## Admin2Webster	-3.097e-04	2.087e-02	-0.015
## Admin2Weld	-1.421e-03	2.783e-02	-0.051
## Admin2Wells	-6.452e-04	2.407e-02	-0.027
## Admin2West Baton Rouge	-1.476e-04	2.783e-02	-0.005
## Admin2West Carroll	-1.476e-04	2.783e-02	-0.005
## Admin2West Feliciana	-1.476e-04	2.783e-02	-0.005
## Admin2Westchester	-6.316e-04	2.774e-02	-0.023
## Admin2Westmoreland	-2.011e-04	2.400e-02	-0.008
## Admin2Weston	-8.733e-04	2.822e-02	-0.031
## Admin2Wetzel	-3.873e-04	2.771e-02	-0.014
## Admin2Wexford	-2.370e-04	2.781e-02	-0.009
## Admin2Wharton	6.602e-03	2.759e-02	0.239
## Admin2Whatcom	-3.346e-02	2.795e-02	-1.197
## Admin2Wheatland	-7.524e-04	2.786e-02	-0.027
## Admin2Wheeler	1.128e-03	2.197e-02	0.051
## Admin2White	-2.058e-04	2.152e-02	-0.010
## Admin2White Pine	-1.786e-03	2.861e-02	-0.062
## Admin2Whiteside	-2.254e-04	2.760e-02	-0.008
## Admin2Whitfield	6.642e-05	2.758e-02	0.002
## Admin2Whitley	-2.460e-04	2.399e-02	-0.010
## Admin2Whitman	-3.346e-02	2.795e-02	-1.197
## Admin2Wibaux	-7.524e-04	2.786e-02	-0.027
## Admin2Wichita	3.140e-03	2.399e-02	0.131
## Admin2Wicomico	-3.918e-05	2.818e-02	-0.001
## Admin2Wilbarger	6.602e-03	2.759e-02	0.239
## Admin2Wilcox	1.556e-04	2.399e-02	0.006
## Admin2Wilkes	6.675e-05	2.399e-02	0.003
## Admin2Wilkin	-1.117e-03	2.776e-02	-0.040
## Admin2Wilkinson	-4.660e-05	2.399e-02	-0.002
## Admin2Will	-2.254e-04	2.760e-02	-0.008
## Admin2Willacy	6.602e-03	2.759e-02	0.239
## Admin2Williams	-6.307e-04	2.408e-02	-0.026
## Admin2Williamsburg	-2.262e-05	2.363e-02	-0.001
## Admin2Williamson	2.122e-03	2.265e-02	0.094
## Admin2Wilson	1.584e-03	2.195e-02	0.072
## Admin2Winchester	-4.524e-05	2.762e-02	-0.002
## Admin2Windham	-5.137e-04	2.499e-02	-0.021
## Admin2Windsor	-4.803e-04	2.866e-02	-0.017
## Admin2Winkler	6.602e-03	2.759e-02	0.239
## Admin2Winn	-1.476e-04	2.783e-02	-0.005
## Admin2Winnebago	-4.733e-04	2.266e-02	-0.021
## Admin2Winneshiek	-1.498e-04	2.761e-02	-0.005
## Admin2Winona	-1.117e-03	2.776e-02	-0.040
## Admin2Winston	4.262e-05	2.402e-02	0.002
## Admin2Wirt	-3.873e-04	2.771e-02	-0.014
## Admin2Wise	3.278e-03	2.397e-02	0.137
## Admin2Wolfe	-1.730e-04	2.760e-02	-0.006
## Admin2Wood	1.220e-03	2.197e-02	0.056
## Admin2Woodbury	-1.498e-04	2.761e-02	-0.005
## Admin2Woodford	-1.992e-04	2.399e-02	-0.008

## Admin2Woodruff	-5.404e-04	2.766e-02	-0.020
## Admin2Woods	-4.258e-04	2.773e-02	-0.015
## Admin2Woodson	-3.208e-04	2.762e-02	-0.012
## Admin2Woodward	-4.258e-04	2.773e-02	-0.015
## Admin2Worcester	-2.719e-04	2.443e-02	-0.011
## Admin2Worth	-1.730e-04	2.265e-02	-0.008
## Admin2Wrangell	-8.209e-04	3.070e-02	-0.027
## Admin2Wright	-5.674e-04	2.268e-02	-0.025
## Admin2Wyandot	-2.899e-04	2.763e-02	-0.010
## Admin2Wyandotte	-3.208e-04	2.762e-02	-0.012
## Admin2Wyoming	-4.586e-04	2.269e-02	-0.020
## Admin2Wythe	-4.524e-05	2.762e-02	-0.002
## Admin2Yabucoa	-4.077e-03	3.034e-02	-0.134
## Admin2Yadkin	6.709e-05	2.767e-02	0.002
## Admin2Yakima	-3.346e-02	2.795e-02	-1.197
## Admin2Yakutat	-8.209e-04	3.070e-02	-0.027
## Admin2Yalobusha	-1.596e-04	2.766e-02	-0.006
## Admin2Yamhill	-1.066e-03	2.788e-02	-0.038
## Admin2Yancey	6.709e-05	2.767e-02	0.002
## Admin2Yankton	-4.479e-04	2.779e-02	-0.016
## Admin2Yates	-6.316e-04	2.774e-02	-0.023
## Admin2Yauco	-4.077e-03	3.034e-02	-0.134
## Admin2Yavapai	-7.225e-04	2.997e-02	-0.024
## Admin2Yazoo	-1.596e-04	2.766e-02	-0.006
## Admin2Yell	-5.404e-04	2.766e-02	-0.020
## Admin2Yellow Medicine	-1.117e-03	2.776e-02	-0.040
## Admin2Yellowstone	-7.524e-04	2.786e-02	-0.027
## Admin2Yoakum	6.602e-03	2.759e-02	0.239
## Admin2Yolo	-6.949e-05	2.853e-02	-0.002
## Admin2York	-4.202e-04	2.138e-02	-0.020
## Admin2Young	6.602e-03	2.759e-02	0.239
## Admin2Yuba	-6.949e-05	2.853e-02	-0.002
## Admin2Yukon-Koyukuk	-8.209e-04	3.070e-02	-0.027
## Admin2Yuma	-1.072e-03	2.479e-02	-0.043
## Admin2Zapata	6.602e-03	2.759e-02	0.239
## Admin2Zavala	6.602e-03	2.759e-02	0.239
## Admin2Ziebach	-4.479e-04	2.779e-02	-0.016
##	Pr(> t )		
## (Intercept)	0.9902		
## Date	NA		
## Province_StateAlaska	0.9394		
## Province_StateArizona	0.9374		
## Province_StateArkansas	0.8498		
## Province_StateCalifornia	0.9693		
## Province_StateColorado	0.7500		
## Province_StateConnecticut	0.9467		
## Province_StateDelaware	0.9874		
## Province_StateDistrict of Columbia	0.9455		
## Province_StateFlorida	0.9575		
## Province_StateGeorgia	0.9607		
## Province_StateHawaii	0.9455		
## Province_StateIdaho	0.7674		
## Province_StateIllinois	0.9015		
## Province_StateIndiana	0.8853		



## Province_StateIowa	0.9190
## Province_StateKansas	0.8881
## Province_StateKentucky	0.9125
## Province_StateLouisiana	0.9402
## Province_StateMaine	0.9084
## Province_StateMaryland	0.9679
## Province_StateMassachusetts	0.9260
## Province_StateMichigan	0.9246
## Province_StateMinnesota	0.7788
## Province_StateMississippi	0.9214
## Province_StateMissouri	0.8580
## Province_StateMontana	0.8540
## Province_StateNebraska	0.7514
## Province_StateNevada	0.8101
## Province_StateNew Hampshire	0.9407
## Province_StateNew Jersey	0.9603
## Province_StateNew Mexico	0.8400
## Province_StateNew York	0.8524
## Province_StateNorth Carolina	0.9674
## Province_StateNorth Dakota	0.8266
## Province_StateOhio	0.8953
## Province_StateOklahoma	0.8859
## Province_StateOregon	0.8120
## Province_StatePennsylvania	0.8928
## Province_StatePuerto Rico	0.7431
## Province_StateRhode Island	0.9768
## Province_StateSouth Carolina	0.9638
## Province_StateSouth Dakota	0.8905
## Province_StateTennessee	0.9471
## Province_StateTexas	0.0875
## Province_StateUtah	0.7600
## Province_StateVermont	0.9332
## Province_StateVirginia	0.9458
## Province_StateWashington	9.04e-09 ***
## Province_StateWest Virginia	0.8898
## Province_StateWisconsin	0.7851
## Province_StateWyoming	0.8737
## Admin2Acadia	0.9958
## Admin2Accomack	0.9987
## Admin2Ada	0.9574
## Admin2Adair	0.9892
## Admin2Adams	0.8677
## Admin2Addison	0.9866
## Admin2Adjuntas	0.8931
## Admin2Aguada	0.8931
## Admin2Aguadilla	0.8931
## Admin2Aguas Buenas	0.8931
## Admin2Aibonito	0.8931
## Admin2Aiken	1.0000
## Admin2Aitkin	0.9679
## Admin2Alachua	0.9999
## Admin2Alamance	0.9981
## Admin2Alameda	0.9981
## Admin2Alamosa	0.9593

## Admin2Albany	0.9752
## Admin2Albemarle	0.9987
## Admin2Alcona	0.9932
## Admin2Alcorn	0.9954
## Admin2Aleutians East	0.9787
## Admin2Aleutians West	0.9787
## Admin2Alexander	0.9974
## Admin2Alexandria	0.9987
## Admin2Alfalfa	0.9878
## Admin2Alger	0.9932
## Admin2Allamakee	0.9957
## Admin2Allegan	0.9932
## Admin2Allegany	0.9889
## Admin2Alleghany	0.9996
## Admin2Allegheny	0.9897
## Admin2Allen	0.9907
## Admin2Allendale	1.0000
## Admin2Alpena	0.9932
## Admin2Alpine	0.9981
## Admin2Amador	0.9981
## Admin2Amelia	0.9987
## Admin2Amherst	0.9987
## Admin2Amite	0.9954
## Admin2Anasco	0.8931
## Admin2Anchorage	0.9787
## Admin2Anderson	0.9544
## Admin2Andrew	0.9874
## Admin2Andrews	0.8109
## Admin2Androscoggin	0.9829
## Admin2Angelina	0.8109
## Admin2Anne Arundel	0.9989
## Admin2Anoka	0.9679
## Admin2Anson	0.9981
## Admin2Antelope	0.9685
## Admin2Antrim	0.9932
## Admin2Apache	0.9808
## Admin2Appanoose	0.9957
## Admin2Appling	0.9981
## Admin2Appomattox	0.9987
## Admin2Aransas	0.8109
## Admin2Arapahoe	0.9593
## Admin2Archer	0.8109
## Admin2Archuleta	0.9593
## Admin2Arecibo	0.8931
## Admin2Arenac	0.9932
## Admin2Arkansas	0.9844
## Admin2Arlington	0.9987
## Admin2Armstrong	0.8965
## Admin2Aroostook	0.9829
## Admin2Arroyo	0.8931
## Admin2Arthur	0.9685
## Admin2Ascension	0.9958
## Admin2Ashe	0.9981
## Admin2Ashland	0.9779

## Admin2Ashley	0.9844
## Admin2Ashtabula	0.9916
## Admin2Asotin	0.2314
## Admin2Assumption	0.9958
## Admin2Atascosa	0.8109
## Admin2Atchison	0.9874
## Admin2Athens	0.9916
## Admin2Atkinson	0.9981
## Admin2Atlantic	0.9973
## Admin2Atoka	0.9878
## Admin2Attala	0.9954
## Admin2Audrain	0.9874
## Admin2Audubon	0.9957
## Admin2Auglaize	0.9916
## Admin2Augusta	0.9987
## Admin2Aurora	0.9871
## Admin2Austin	0.8109
## Admin2Autauga	0.9929
## Admin2Avery	0.9981
## Admin2Avoyelles	0.9958
## Admin2Baca	0.9593
## Admin2Bacon	0.9981
## Admin2Bailey	0.8109
## Admin2Baker	0.9883
## Admin2Baldwin	0.9948
## Admin2Ballard	0.9950
## Admin2Baltimore	0.9989
## Admin2Baltimore City	0.9989
## Admin2Bamberg	1.0000
## Admin2Bandera	0.8109
## Admin2Banks	0.9981
## Admin2Banner	0.9685
## Admin2Bannock	0.9574
## Admin2Baraga	0.9932
## Admin2Barber	0.9907
## Admin2Barbour	0.9976
## Admin2Barceloneta	0.8931
## Admin2Barnes	0.9722
## Admin2Barnstable	0.9859
## Admin2Barnwell	1.0000
## Admin2Barranquitas	0.8931
## Admin2Barren	0.9950
## Admin2Barron	0.9700
## Admin2Barrow	0.9981
## Admin2Barry	0.9888
## Admin2Bartholomew	0.9908
## Admin2Barton	0.9874
## Admin2Bartow	0.9981
## Admin2Bastrop	0.8109
## Admin2Bates	0.9874
## Admin2Bath	0.9964
## Admin2Baxter	0.9844
## Admin2Bay	0.9960
## Admin2Bayamon	0.8931

## Admin2Bayfield	0.9700
## Admin2Baylor	0.8109
## Admin2Beadle	0.9871
## Admin2Bear Lake	0.9574
## Admin2Bear River	0.9488
## Admin2Beaufort	0.9989
## Admin2Beauregard	0.9958
## Admin2Beaver	0.9697
## Admin2Beaverhead	0.9785
## Admin2Becker	0.9679
## Admin2Beckham	0.9878
## Admin2Bedford	0.9952
## Admin2Bee	0.8109
## Admin2Belknap	0.9870
## Admin2Bell	0.8934
## Admin2Belmont	0.9916
## Admin2Beltrami	0.9679
## Admin2Ben Hill	0.9981
## Admin2Benewah	0.9574
## Admin2Bennett	0.9871
## Admin2Bennington	0.9866
## Admin2Benson	0.9722
## Admin2Bent	0.9593
## Admin2Benton	0.8419
## Admin2Benzie	0.9932
## Admin2Bergen	0.9973
## Admin2Berkeley	0.9935
## Admin2Berks	0.9897
## Admin2Berkshire	0.9859
## Admin2Bernalillo	0.9670
## Admin2Berrien	0.9972
## Admin2Bertie	0.9981
## Admin2Bethel	0.9787
## Admin2Bexar	0.8109
## Admin2Bibb	0.9948
## Admin2Bienville	0.9958
## Admin2Big Horn	0.9733
## Admin2Big Stone	0.9679
## Admin2Billings	0.9722
## Admin2Bingham	0.9574
## Admin2Black Hawk	0.9957
## Admin2Blackford	0.9908
## Admin2Bladen	0.9981
## Admin2Blaine	0.9659
## Admin2Blair	0.9897
## Admin2Blanco	0.8109
## Admin2Bland	0.9987
## Admin2Bleckley	0.9981
## Admin2Bledsoe	0.9997
## Admin2Blount	0.9961
## Admin2Blue Earth	0.9679
## Admin2Boise	0.9574
## Admin2Bolivar	0.9954
## Admin2Bollinger	0.9874

## Admin2Bon Homme	0.9871
## Admin2Bond	0.9935
## Admin2Bonner	0.9574
## Admin2Bonneville	0.9574
## Admin2Boone	0.9841
## Admin2Borden	0.8109
## Admin2Bosque	0.8109
## Admin2Bossier	0.9958
## Admin2Botetourt	0.9987
## Admin2Bottineau	0.9722
## Admin2Boulder	0.9593
## Admin2Boundary	0.9574
## Admin2Bourbon	0.9918
## Admin2Bowie	0.8109
## Admin2Bowman	0.9722
## Admin2Box Butte	0.9685
## Admin2Box Elder	0.9488
## Admin2Boyd	0.9790
## Admin2Boyle	0.9950
## Admin2Bracken	0.9950
## Admin2Bradford	0.9940
## Admin2Bradley	0.9908
## Admin2Branch	0.9932
## Admin2Brantley	0.9981
## Admin2Braxton	0.9888
## Admin2Brazoria	0.8109
## Admin2Brazos	0.8109
## Admin2Breathitt	0.9950
## Admin2Breckinridge	0.9950
## Admin2Bremer	0.9957
## Admin2Brevard	0.9999
## Admin2Brewster	0.8109
## Admin2Briscoe	0.8109
## Admin2Bristol	0.9928
## Admin2Bristol Bay	0.9787
## Admin2Bristol Bay plus Lake and Peninsula	0.9787
## Admin2Broadwater	0.9785
## Admin2Bronx	0.9818
## Admin2Brooke	0.9888
## Admin2Brookings	0.9871
## Admin2Brooks	0.8894
## Admin2Broome	0.9818
## Admin2Broomfield	0.9593
## Admin2Broward	0.9999
## Admin2Brown	0.9925
## Admin2Brule	0.9871
## Admin2Brunswick	0.9996
## Admin2Bryan	0.9940
## Admin2Buchanan	0.9926
## Admin2Buckingham	0.9987
## Admin2Bucks	0.9897
## Admin2Buena Vista	0.9968
## Admin2Buffalo	0.9698
## Admin2Bullitt	0.9950

## Admin2Bulloch	0.9981
## Admin2Bullock	0.9929
## Admin2Buncombe	0.9981
## Admin2Bureau	0.9935
## Admin2Burke	0.9902
## Admin2Burleigh	0.9722
## Admin2Burleson	0.8109
## Admin2Burlington	0.9973
## Admin2Burnet	0.8109
## Admin2Burnett	0.9700
## Admin2Burt	0.9685
## Admin2Butler	0.9877
## Admin2Butte	0.9766
## Admin2Butts	0.9981
## Admin2Cabarrus	0.9981
## Admin2Cabell	0.9888
## Admin2Cabo Rojo	0.8931
## Admin2Cache	0.9488
## Admin2Caddo	0.9905
## Admin2Caguas	0.8931
## Admin2Calaveras	0.9981
## Admin2Calcasieu	0.9958
## Admin2Caldwell	0.9562
## Admin2Caledonia	0.9866
## Admin2Calhoun	0.9815
## Admin2Callahan	0.8109
## Admin2Callaway	0.9874
## Admin2Calloway	0.9950
## Admin2Calumet	0.9700
## Admin2Calvert	0.9989
## Admin2Camas	0.9574
## Admin2Cambria	0.9897
## Admin2Camden	0.9964
## Admin2Cameron	0.9286
## Admin2Camp	0.8109
## Admin2Campbell	0.9885
## Admin2Camuy	0.8931
## Admin2Canadian	0.9878
## Admin2Candler	0.9981
## Admin2Cannon	0.9997
## Admin2Canovanas	0.8931
## Admin2Canyon	0.9574
## Admin2Cape Girardeau	0.9874
## Admin2Cape May	0.9973
## Admin2Carbon	0.9658
## Admin2Caribou	0.9574
## Admin2Carlisle	0.9950
## Admin2Carlton	0.9679
## Admin2Carolina	0.8931
## Admin2Caroline	0.9986
## Admin2Carroll	0.9916
## Admin2Carson	0.8109
## Admin2Carson City	0.9502
## Admin2Carter	0.9867

## Admin2Carteret	0.9981
## Admin2Carver	0.9679
## Admin2Cascade	0.9785
## Admin2Casey	0.9950
## Admin2Cass	0.9912
## Admin2Cassia	0.9574
## Admin2Castro	0.8109
## Admin2Caswell	0.9981
## Admin2Catahoula	0.9958
## Admin2Catano	0.8931
## Admin2Catawba	0.9981
## Admin2Catoosa	0.9981
## Admin2Catron	0.9670
## Admin2Cattaraugus	0.9818
## Admin2Cavalier	0.9722
## Admin2Cayey	0.8931
## Admin2Cayuga	0.9818
## Admin2Cecil	0.9989
## Admin2Cedar	0.9803
## Admin2Ceiba	0.8931
## Admin2Central Utah	0.9488
## Admin2Centre	0.9897
## Admin2Cerro Gordo	0.9957
## Admin2Chaffee	0.9593
## Admin2Chambers	0.8866
## Admin2Champaign	0.9914
## Admin2Chariton	0.9874
## Admin2Charles	0.9989
## Admin2Charles City	0.9987
## Admin2Charles Mix	0.9871
## Admin2Charleston	1.0000
## Admin2Charlevoix	0.9932
## Admin2Charlotte	0.9992
## Admin2Charlottesville	0.9987
## Admin2Charlton	0.9981
## Admin2Chase	0.9765
## Admin2Chatham	0.9978
## Admin2Chattahoochee	0.9981
## Admin2Chattooga	0.9981
## Admin2Chautauqua	0.9842
## Admin2Chaves	0.9670
## Admin2Cheatham	0.9997
## Admin2Cheboygan	0.9932
## Admin2Chelan	0.2314
## Admin2Chemung	0.9818
## Admin2Chenango	0.9818
## Admin2Cherokee	0.9708
## Admin2Cherry	0.9685
## Admin2Chesapeake	0.9987
## Admin2Cheshire	0.9870
## Admin2Chester	0.9956
## Admin2Chesterfield	0.9992
## Admin2Cheyenne	0.9668
## Admin2Chickasaw	0.9949

## Admin2Chicot	0.9844
## Admin2Childress	0.8109
## Admin2Chilton	0.9929
## Admin2Chippewa	0.9719
## Admin2Chisago	0.9679
## Admin2Chittenden	0.9866
## Admin2Choctaw	0.9960
## Admin2Chouteau	0.9785
## Admin2Chowan	0.9981
## Admin2Christian	0.9902
## Admin2Chugach	0.9787
## Admin2Churchill	0.9502
## Admin2Ciales	0.8931
## Admin2Cibola	0.9670
## Admin2Cidra	0.8931
## Admin2Cimarron	0.9878
## Admin2Citrus	0.9999
## Admin2Clackamas	0.9695
## Admin2Claiborne	0.9963
## Admin2Clallam	0.2314
## Admin2Clare	0.9932
## Admin2Clarendon	1.0000
## Admin2Clarion	0.9897
## Admin2Clark	0.8692
## Admin2Clarke	0.9997
## Admin2Clatsop	0.9695
## Admin2Clay	0.9965
## Admin2Clayton	0.9986
## Admin2Clear Creek	0.9593
## Admin2Clearfield	0.9897
## Admin2Clearwater	0.9569
## Admin2Cleburne	0.9951
## Admin2Clermont	0.9916
## Admin2Cleveland	0.9895
## Admin2Clinch	0.9981
## Admin2Clinton	0.9880
## Admin2Cloud	0.9907
## Admin2Coahoma	0.9954
## Admin2Coal	0.9878
## Admin2Coamo	0.8931
## Admin2Cobb	0.9981
## Admin2Cochise	0.9808
## Admin2Cochran	0.8109
## Admin2Cocke	0.9997
## Admin2Coconino	0.9808
## Admin2Codington	0.9871
## Admin2Coffee	0.9965
## Admin2Coffey	0.9907
## Admin2Coke	0.8109
## Admin2Colbert	0.9929
## Admin2Cole	0.9874
## Admin2Coleman	0.8109
## Admin2Coles	0.9935
## Admin2Colfax	0.9628



## Admin2Colleton	1.0000
## Admin2Collier	0.9999
## Admin2Collin	0.8109
## Admin2Collingsworth	0.8109
## Admin2Colonial Heights	0.9987
## Admin2Colorado	0.8109
## Admin2Colquitt	0.9981
## Admin2Columbia	0.8246
## Admin2Columbiana	0.9916
## Admin2Columbus	0.9981
## Admin2Colusa	0.9981
## Admin2Comal	0.8109
## Admin2Comanche	0.9314
## Admin2Comerio	0.8931
## Admin2Concho	0.8109
## Admin2Concordia	0.9958
## Admin2Conecuh	0.9929
## Admin2Conejos	0.9593
## Admin2Contra Costa	0.9981
## Admin2Converse	0.9753
## Admin2Conway	0.9844
## Admin2Cook	0.9850
## Admin2Cooke	0.8109
## Admin2Cooper	0.9874
## Admin2Coos	0.9749
## Admin2Coosa	0.9929
## Admin2Copiah	0.9954
## Admin2Copper River	0.9787
## Admin2Corozal	0.8931
## Admin2Corson	0.9871
## Admin2Cortland	0.9818
## Admin2Coryell	0.8109
## Admin2Coshocton	0.9916
## Admin2Costilla	0.9593
## Admin2Cottle	0.8109
## Admin2Cotton	0.9878
## Admin2Cottonwood	0.9679
## Admin2Covington	0.9995
## Admin2Coweta	0.9981
## Admin2Cowley	0.9907
## Admin2Cowlitz	0.2314
## Admin2Craig	0.9922
## Admin2Craighead	0.9844
## Admin2Crane	0.8109
## Admin2Craven	0.9981
## Admin2Crawford	0.9864
## Admin2Creek	0.9878
## Admin2Crenshaw	0.9929
## Admin2Crisp	0.9981
## Admin2Crittenden	0.9881
## Admin2Crockett	0.8907
## Admin2Crook	0.9681
## Admin2Crosby	0.8109
## Admin2Cross	0.9844

## Admin2Crow Wing	0.9679
## Admin2Crowley	0.9593
## Admin2Culberson	0.8109
## Admin2Culebra	0.8931
## Admin2Cullman	0.9929
## Admin2Culpeper	0.9987
## Admin2Cumberland	0.9931
## Admin2Cuming	0.9685
## Admin2Currituck	0.9981
## Admin2Curry	0.9633
## Admin2Custer	0.9648
## Admin2Cuyahoga	0.9916
## Admin2Dade	0.9939
## Admin2Daggett	0.9488
## Admin2Dakota	0.9634
## Admin2Dale	0.9929
## Admin2Dallam	0.8109
## Admin2Dallas	0.9576
## Admin2Dane	0.9700
## Admin2Daniels	0.9785
## Admin2Danville	0.9987
## Admin2Dare	0.9981
## Admin2Darke	0.9916
## Admin2Darlington	1.0000
## Admin2Dauphin	0.9897
## Admin2Davidson	0.9991
## Admin2Davie	0.9981
## Admin2Daviess	0.9891
## Admin2Davis	0.9677
## Admin2Davison	0.9871
## Admin2Dawes	0.9685
## Admin2Dawson	0.9562
## Admin2Day	0.9871
## Admin2De Baca	0.9670
## Admin2De Soto	0.9958
## Admin2De Witt	0.9935
## Admin2Deaf Smith	0.8109
## Admin2Dearborn	0.9908
## Admin2Decatur	0.9946
## Admin2Deer Lodge	0.9785
## Admin2Defiance	0.9916
## Admin2DeKalb	0.9957
## Admin2Del Norte	0.9981
## Admin2Delaware	0.9864
## Admin2Delta	0.9422
## Admin2Denali	0.9787
## Admin2Dent	0.9874
## Admin2Denton	0.8109
## Admin2Denver	0.9593
## Admin2Des Moines	0.9957
## Admin2Deschutes	0.9695
## Admin2Desha	0.9844
## Admin2DeSoto	0.9973
## Admin2Deuel	0.9745

## Admin2Dewey	0.9855
## Admin2DeWitt	0.8109
## Admin2Dickens	0.8109
## Admin2Dickenson	0.9987
## Admin2Dickey	0.9722
## Admin2Dickinson	0.9917
## Admin2Dickson	0.9997
## Admin2Dillingham	0.9787
## Admin2Dillon	1.0000
## Admin2Dimmit	0.8109
## Admin2Dinwiddie	0.9987
## Admin2District of Columbia	0.9740
## Admin2Divide	0.9722
## Admin2Dixie	0.9999
## Admin2Dixon	0.9685
## Admin2Doddridge	0.9888
## Admin2Dodge	0.9711
## Admin2Dolores	0.9593
## Admin2Dona Ana	0.9670
## Admin2Doniphan	0.9907
## Admin2Donley	0.8109
## Admin2Dooly	0.9981
## Admin2Door	0.9700
## Admin2Dorado	0.8931
## Admin2Dorchester	0.9993
## Admin2Dougherty	0.9981
## Admin2Douglas	0.8634
## Admin2Drew	0.9844
## Admin2Dubois	0.9908
## Admin2Dubuque	0.9957
## Admin2Duchesne	0.9488
## Admin2Dukes	0.9859
## Admin2Dukes and Nantucket	0.9859
## Admin2Dundy	0.9685
## Admin2Dunklin	0.9874
## Admin2Dunn	0.9666
## Admin2DuPage	0.9935
## Admin2Duplin	0.9981
## Admin2Durham	0.9981
## Admin2Dutchess	0.9818
## Admin2Duval	0.8907
## Admin2Dyer	0.9997
## Admin2Eagle	0.9593
## Admin2Early	0.9981
## Admin2East Baton Rouge	0.9958
## Admin2East Carroll	0.9958
## Admin2East Feliciana	0.9958
## Admin2Eastland	0.8109
## Admin2Eaton	0.9932
## Admin2Eau Claire	0.9700
## Admin2Echols	0.9981
## Admin2Ector	0.8109
## Admin2Eddy	0.9649
## Admin2Edgar	0.9935

## Admin2Edgecombe	0.9981
## Admin2Edgefield	1.0000
## Admin2Edmonson	0.9950
## Admin2Edmunds	0.9871
## Admin2Edwards	0.9290
## Admin2Effingham	0.9974
## Admin2El Dorado	0.9981
## Admin2El Paso	0.9142
## Admin2Elbert	0.9775
## Admin2Elk	0.9887
## Admin2Elkhart	0.9908
## Admin2Elko	0.9502
## Admin2Elliott	0.9950
## Admin2Ellis	0.9314
## Admin2Ellsworth	0.9907
## Admin2Elmore	0.9793
## Admin2Emanuel	0.9981
## Admin2Emery	0.9488
## Admin2Emmet	0.9936
## Admin2Emmons	0.9722
## Admin2Emporia	0.9987
## Admin2Erath	0.8109
## Admin2Erie	0.9850
## Admin2Escambia	0.9960
## Admin2Esmeralda	0.9502
## Admin2Essex	0.9871
## Admin2Estill	0.9950
## Admin2Etowah	0.9929
## Admin2Eureka	0.9502
## Admin2Evangeline	0.9958
## Admin2Evans	0.9981
## Admin2Fairbanks North Star	0.9787
## Admin2Fairfax	0.9987
## Admin2Fairfax City	0.9987
## Admin2Fairfield	0.9902
## Admin2Fajardo	0.8931
## Admin2Fall River	0.9871
## Admin2Fallon	0.9785
## Admin2Falls	0.8109
## Admin2Falls Church	0.9987
## Admin2Fannin	0.8894
## Admin2Faribault	0.9679
## Admin2Faulk	0.9871
## Admin2Faulkner	0.9844
## Admin2Fauquier	0.9987
## Admin2Fayette	0.9824
## Admin2Federal Correctional Institution (FCI)	0.9932
## Admin2Fentress	0.9997
## Admin2Fergus	0.9785
## Admin2Ferry	0.2314
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## Admin2Huerfano	0.9593



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## Admin2Kimble	0.8109
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## Admin2King and Queen	0.9987
## Admin2King George	0.9987
## Admin2King William	0.9987
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## Admin2Kingman	0.9907

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## Admin2New Hanover	0.9981
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## Admin2Nowata	0.9878
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## Admin2Oakland	0.9932



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## Admin20kanogan	0.2314
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## Admin2West Feliciana	0.9958
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## Admin2Weston	0.9753
## Admin2Wetzel	0.9888
## Admin2Wexford	0.9932
## Admin2Wharton	0.8109
## Admin2Whatcom	0.2314
## Admin2Wheatland	0.9785
## Admin2Wheeler	0.9591

## Admin2White	0.9924
## Admin2White Pine	0.9502
## Admin2Whiteside	0.9935
## Admin2Whitfield	0.9981
## Admin2Whitley	0.9918
## Admin2Whitman	0.2314
## Admin2Wibaux	0.9785
## Admin2Wichita	0.8959
## Admin2Wicomico	0.9989
## Admin2Wilbarger	0.8109
## Admin2Wilcox	0.9948
## Admin2Wilkes	0.9978
## Admin2Wilkin	0.9679
## Admin2Wilkinson	0.9985
## Admin2Will	0.9935
## Admin2Willacy	0.8109
## Admin2Williams	0.9791
## Admin2Williamsburg	0.9992
## Admin2Williamson	0.9254
## Admin2Wilson	0.9425
## Admin2Winchester	0.9987
## Admin2Windham	0.9836
## Admin2Windsor	0.9866
## Admin2Winkler	0.8109
## Admin2Winn	0.9958
## Admin2Winnebago	0.9833
## Admin2Winneshiek	0.9957
## Admin2Winona	0.9679
## Admin2Winston	0.9986
## Admin2Wirt	0.9888
## Admin2Wise	0.8913
## Admin2Wolfe	0.9950
## Admin2Wood	0.9557
## Admin2Woodbury	0.9957
## Admin2Woodford	0.9934
## Admin2Woodruff	0.9844
## Admin2Woods	0.9878
## Admin2Woodson	0.9907
## Admin2Woodward	0.9878
## Admin2Worcester	0.9911
## Admin2Worth	0.9939
## Admin2Wrangell	0.9787
## Admin2Wright	0.9800
## Admin2Wyandot	0.9916
## Admin2Wyandotte	0.9907
## Admin2Wyoming	0.9839
## Admin2Wythe	0.9987
## Admin2Yabucoa	0.8931
## Admin2Yadkin	0.9981
## Admin2Yakima	0.2314
## Admin2Yakutat	0.9787
## Admin2Yalobusha	0.9954
## Admin2Yamhill	0.9695
## Admin2Yancey	0.9981

```
## Admin2Yankton 0.9871
## Admin2Yates 0.9818
## Admin2Yauco 0.8931
## Admin2Yavapai 0.9808
## Admin2Yazoo 0.9954
## Admin2Yell 0.9844
## Admin2Yellow Medicine 0.9679
## Admin2Yellowstone 0.9785
## Admin2Yoakum 0.8109
## Admin2Yolo 0.9981
## Admin2York 0.9843
## Admin2Young 0.8109
## Admin2Yuba 0.9981
## Admin2Yukon-Koyukuk 0.9787
## Admin2Yuma 0.9655
## Admin2Zapata 0.8109
## Admin2Zavala 0.8109
## Admin2Ziebach 0.9871
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.01918 on 1305 degrees of freedom
## (6 observations deleted due to missingness)
## Multiple R-squared:  0.5199, Adjusted R-squared:  -0.227
## F-statistic: 0.6961 on 2030 and 1305 DF, p-value: 1
```

Intercept: The intercept represents the estimated value of the response variable when all predictor variables are zero. In this case, it may not have a meaningful interpretation because having zero cases on the start date (January 22, 2020) is not realistic.

US\_State coefficients: The coefficients for each US\_State variable represent the estimated change in the response variable for a one-unit increase in that state, compared to the reference state (usually the first state listed alphabetically or numerically, depending on how the data is encoded). A positive coefficient indicates that the number of confirmed cases tends to be higher in that state compared to the reference state, while a negative coefficient indicates the opposite. The magnitude of the coefficient indicates the strength of the effect.

US\_county coefficients: Similarly, the coefficients for each UD\_county variable represent the estimated change in the response variable for a one-unit increase in that county, compared to the reference county. Again, positive coefficients indicate higher confirmed cases in that county compared to the reference county, while negative coefficients indicate the opposite.

```
# Preprocess the data
date_columns <- grep("^\\d{2}/\\d{2}/\\d{4}$", names(df), value = TRUE)
df[date_columns] <- lapply(df[date_columns], as.Date, format = "%m/%d/%Y")

# Convert the data to long format
long_data <- df %>%
  pivot_longer(cols = starts_with("1/22/20"), names_to = "Date", values_to = "Cases") %>%
  mutate(Date = as.Date(Date, format = "%m/%d/%Y"))

# Fit the model
model_coords <- lm(Cases ~ Date + df$Lat + df$Long_, data = long_data)

summary(model_coords)
```

```
##
## Call:
## lm(formula = Cases ~ Date + df$Lat + df$Long_, data = long_data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.00203 -0.00048 -0.00032 -0.00017  0.99900
##
## Coefficients: (1 not defined because of singularities)
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -1.617e-03  1.342e-03  -1.204   0.229
## Date                NA           NA      NA     NA
## df$Lat           5.862e-06  4.767e-05   0.123   0.902
## df$Long_        -1.919e-05  1.987e-05  -0.965   0.334
##
## Residual standard error: 0.0173 on 3339 degrees of freedom
## Multiple R-squared:  0.0007001, Adjusted R-squared:  0.0001016
## F-statistic:  1.17 on 2 and 3339 DF,  p-value: 0.3106
```

Latitude coefficient: The coefficient for the Latitude variable represents the estimated change in the response variable for a one-unit increase in latitude, holding all other variables constant. Since latitude represents north-south position, a positive coefficient suggests that moving north tends to be associated with higher confirmed cases, while a negative coefficient suggests the opposite.

Longitude coefficient: Similarly, the coefficient for the Longitude variable represents the estimated change in the response variable for a one-unit increase in longitude, holding all other variables constant. Since longitude represents east-west position, a positive coefficient suggests that moving east tends to be associated with higher confirmed cases, while a negative coefficient suggests the opposite.

## References

Dong, E., Du, H., & Gardner, L. (2020). An interactive web-based dashboard to track COVID-19 in real time. *The Lancet infectious diseases*, 20(5), 533-534.