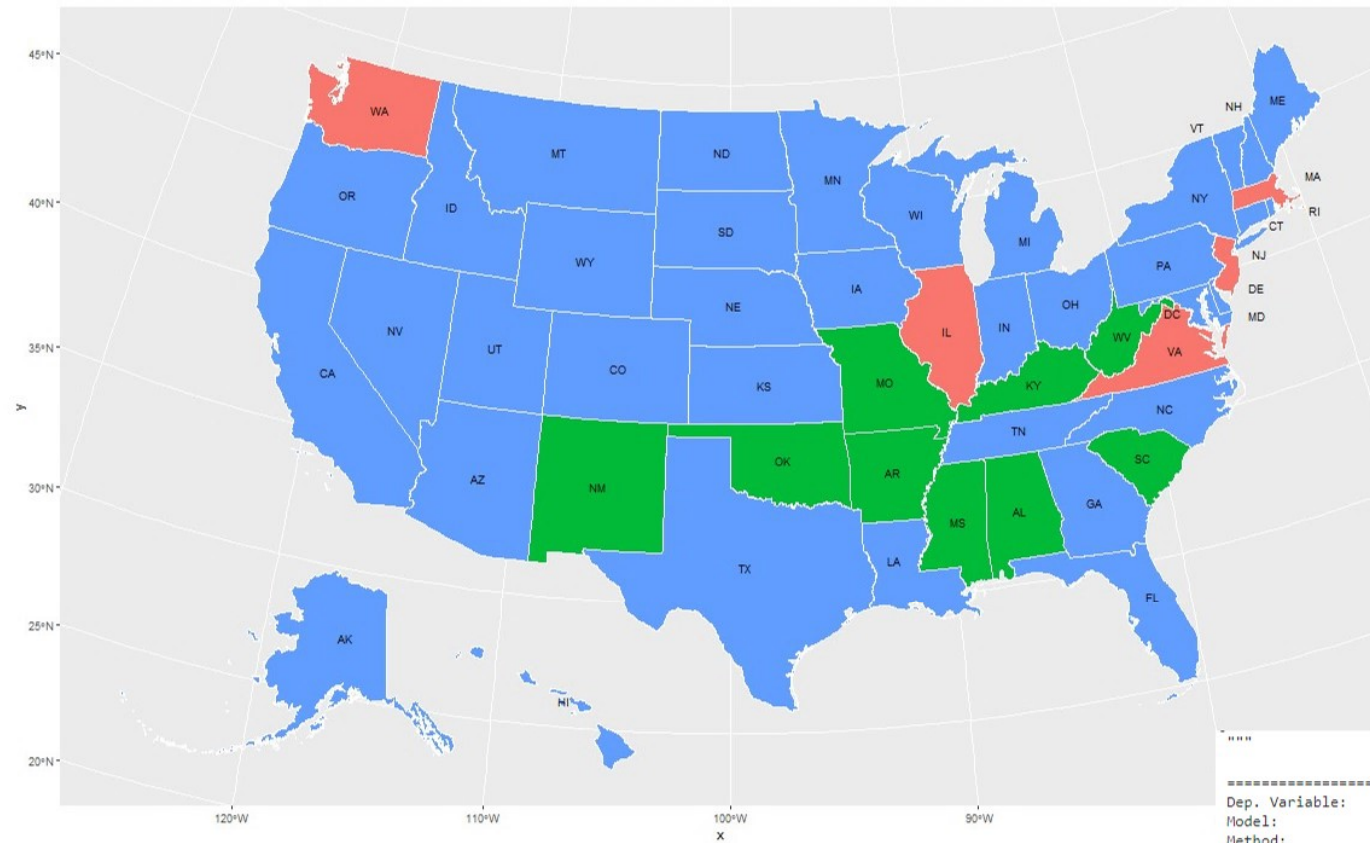


[1] "C:/Users/User/Documents/R/R-4.1.2/library"

Cluster selection interface with dropdowns for y (Poverty, Infant Mort, White, Crime, Doctors), x (Traf Deaths, University, Unemployed, Income, Population), and y (Poverty). Includes checkboxes for AboveCenter, BelowCenter, and Center (checked).

```
[<class 'statsmodels.iolib.summary.Summary'>
"""]
OLS Regression Results
=====
Dep. Variable: Poverty R-squared (uncentered): 0.752
Model: OLS Adj. R-squared (uncentered): 0.742
Method: Least Squares F-statistic: 72.83
Date: Sun, 23 Jan 2022 Prob (F-statistic): 2.89e-15
Time: 09:40:25 Log-Likelihood: -36.073
No. Observations: 50 AIC: 76.15
Df Residuals: 48 BIC: 79.97
Df Model: 2
Covariance Type: nonrobust
=====
coef std err t P>|t| [0.025 0.975]
-----
Crime 0.2343 0.072 3.261 0.002 0.090 0.379
Income -0.8350 0.072 -11.621 0.000 -0.979 -0.691
=====
Omnibus: 6.834 Durbin-Watson: 1.373
Prob(Omnibus): 0.033 Jarque-Bera (JB): 5.786
Skew: 0.700 Prob(JB): 0.0554
Kurtosis: 3.905 Cond. No. 1.00
=====

Notes:
[1] R² is computed without centering (uncentered) since the model does not contain a constant.
[2] Standard Errors assume that the covariance matrix of the errors is correctly specified.
"""]
<function __main__.return_model_subset(x, y, autoremove)>
```



cluster  
2  
3  
4

y  
Traf Deaths  
University  
Unemployed  
Income  
Population

x  
const  
Poverty  
Infant Mort  
White  
Crime

y  
Income

AboveCenter  
Doctors  
Traf Deaths  
University  
Unemployed  
Population

BelowCenter  
const  
Poverty  
Infant Mort  
White  
Crime

☒ Center: [Checked: Mean, Unchecked: Median]

#### OLS Regression Results

```

=====
Dep. Variable:          Income    R-squared (uncentered):      0.821
Model:                  OLS      Adj. R-squared (uncentered): 0.806
Method:                  Least Squares    F-statistic:                  52.90
Date:                    Sun, 23 Jan 2022  Prob (F-statistic):        1.23e-16
Time:                    09:37:28      Log-Likelihood:              -27.879
No. Observations:        50          AIC:                          63.76
Df Residuals:            46          BIC:                          71.41
Df Model:                 4
Covariance Type:         nonrobust
=====

```

	coef	std err	t	P> t	[0.025	0.975]
Poverty	-0.5608	0.062	-9.001	0.000	-0.686	-0.435
Doctors	0.5435	0.062	8.722	0.000	0.418	0.669
University	0.4425	0.062	7.102	0.000	0.317	0.568
Population	0.1255	0.062	2.015	0.050	0.000	0.251

```

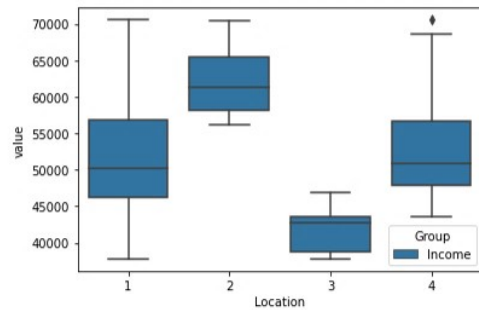
=====
Omnibus:                 3.728    Durbin-Watson:              1.021
Prob(Omnibus):            0.155    Jarque-Bera (JB):            2.895
Skew:                     0.578    Prob(JB):                     0.235
Kurtosis:                 3.230    Cond. No.                     1.00
=====

```

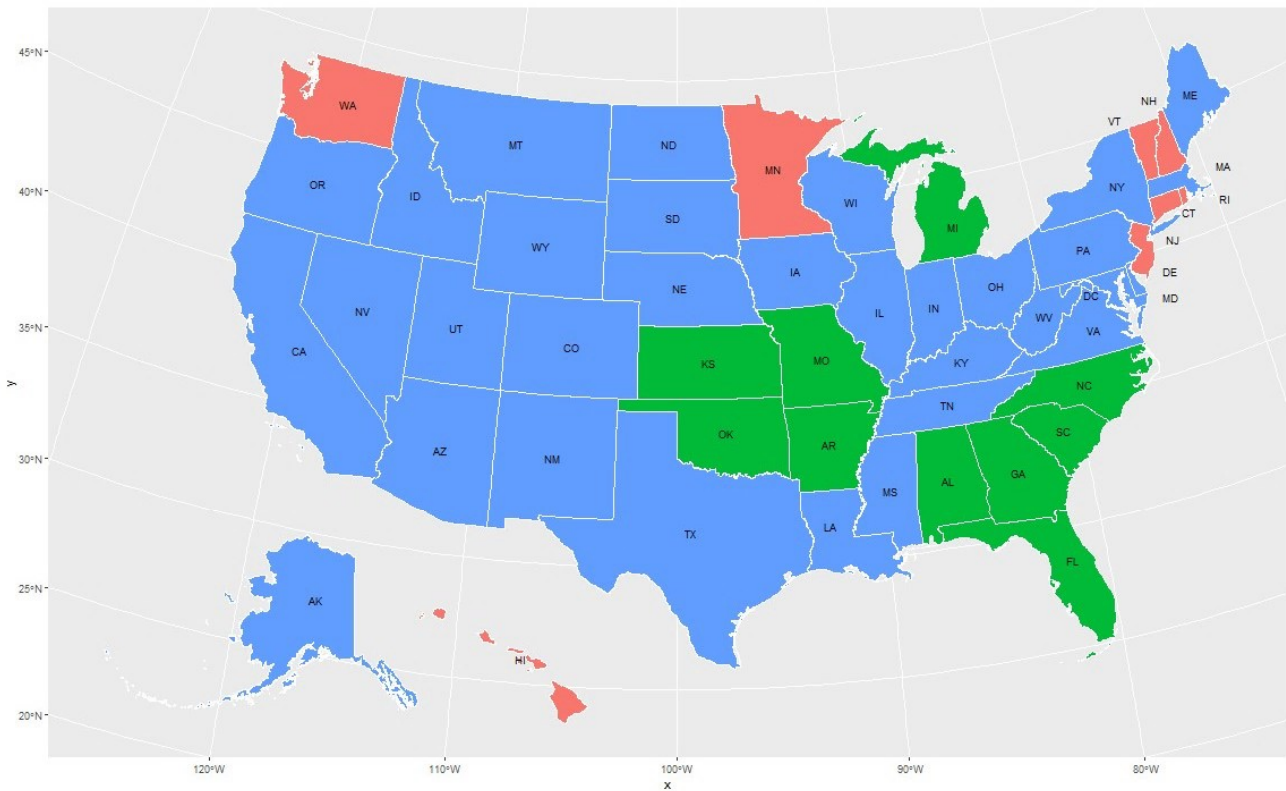
#### Notes:

[1] R<sup>2</sup> is computed without centering (uncentered) since the model does not contain a constant.  
 [2] Standard Errors assume that the covariance matrix of the errors is correctly specified.  
 """]

```
<function __main__.return_model_subset(x, y, autoremove)>
```



all mapped against either group  
 all mapped against neither group  
 7 number ogive all mapped with in and out group  
 7 number ogive all mapped against neither group



[1] "C:/Users/User/Documents/R/R-4.1.2/library"

y: Traf Deaths, University, Unemployed, Income, Population  
 x: Doctors, Traf Deaths, Unemployed, Income, Population  
 y: University  
 AboveCenter: Doctors, Traf Deaths, Unemployed, Income, Population  
 BelowCenter: const, Poverty, Infant Mort, White, Crime  
☒ Center: [Checked: Mean, Unchecked: Median]

[<class 'statsmodels.iolib.summary.Summary']

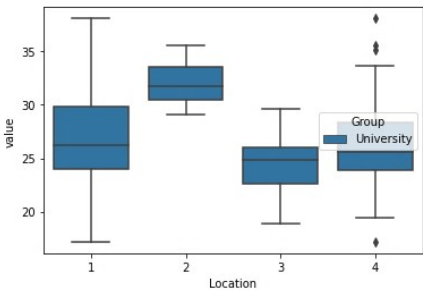
OLS Regression Results						
Dep. Variable:	University	R-squared (uncentered):	0.804			
Model:	OLS	Adj. R-squared (uncentered):	0.787			
Method:	Least Squares	F-statistic:	47.26			
Date:	Sun, 23 Jan 2022	Prob (F-statistic):	9.93e-16			
Time:	09:46:43	Log-likelihood:	-30.169			
No. Observations:	50	AIC:	68.34			
Df Residuals:	46	BIC:	75.99			
Df Model:	4					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
Infant Mort	-0.1406	0.065	-2.156	0.036	-0.272	-0.009
Crime	-0.1746	0.065	-2.676	0.010	-0.306	-0.043
Doctors	0.2861	0.065	4.386	0.000	0.155	0.417
Income	0.8199	0.065	12.570	0.000	0.689	0.951
Omnibus:	3.648	Durbin-Watson:		1.942		
Prob(Omnibus):	0.161	Jarque-Bera (JB):		3.376		
Skew:	0.133	Prob(JB):		0.185		
Kurtosis:	4.245	Cond. No.		1.00		

Notes:

[1] R<sup>2</sup> is computed without centering (uncentered) since the model does not contain a constant.

[2] Standard Errors assume that the covariance matrix of the errors is correctly specified.

"""]



all mapped against either group