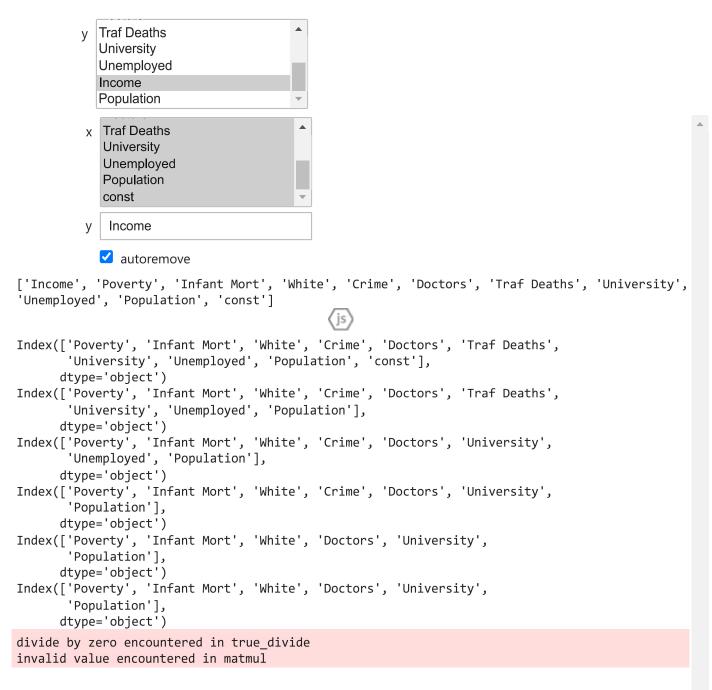
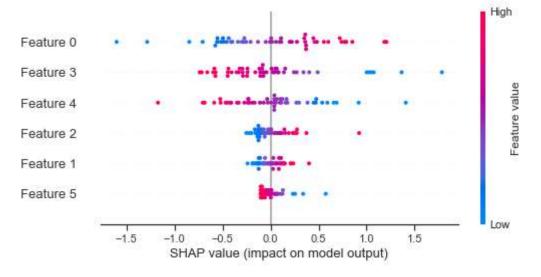
```
٥
```

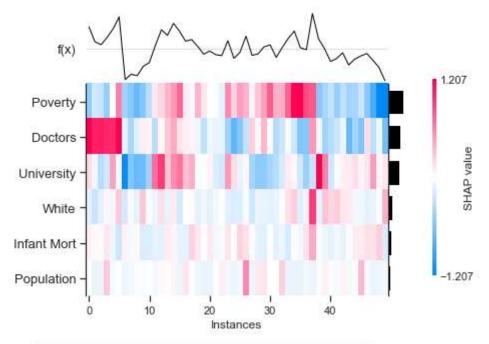
## BokehJS 2.4.2 successfully loaded.

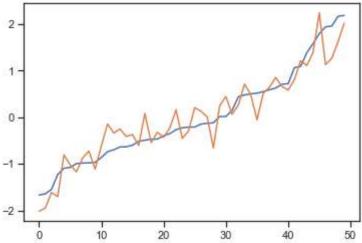
"\noutput figure = widgets.Output()\n \n# Create the default figure\nfig = [] # Storing the figur e in a singular list is a bit of a \n # hack. We need it to properly mutate the current\n # figure in our callbacks.\n#p = create figure(\n# iris['feature names'][0],\n# iris['featur e\_names'][1],\n# data)\n#fig.append(p)\nwith output\_figure:\n interact(derive\_xnames,y=y)\n #interact(return\_model\_vars, x=x\_, y=y, autoremove=autoremove)\n #show(fig)\n \napp\_layout = wi dgets.Layout(display='flex',\n flex flow='row nowrap',\n align items ='center',\n border='none',\n width='100%',\n margin ='5px 5px 5px 5px')\n \n# The final app is just a box\napp=widgets.Box([y, output\_figure], layout= app layout)\n \n# Display the app\ndisplay(app)\n"

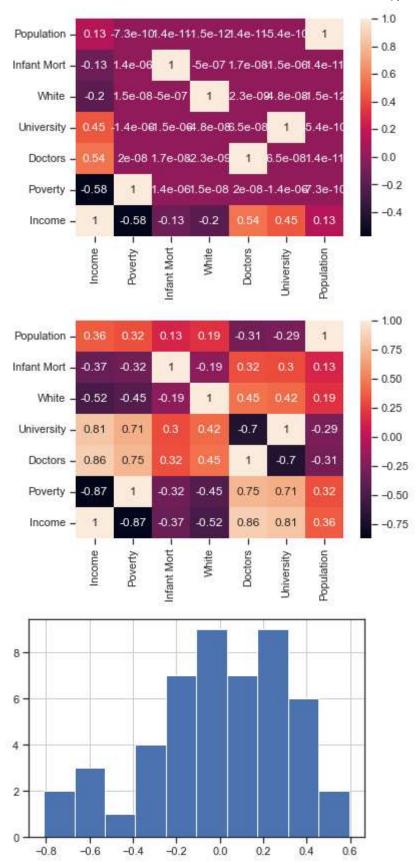


127.0.0.1:8082









mape: 146.83824419131614

Pass the following variables as keyword args: x, y. From version 0.12, the only valid position all argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

marker is redundantly defined by the 'marker' keyword argument and the fmt string "bo" (-> marker='o'). The keyword argument will take precedence.

color is redundantly defined by the 'color' keyword argument and the fmt string "bo" (-> color

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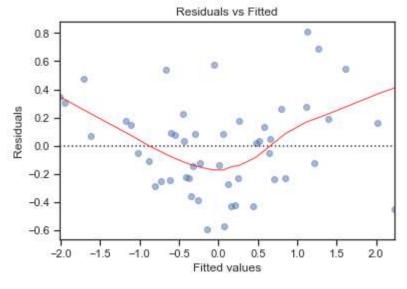
='b'). The keyword argument will take precedence.

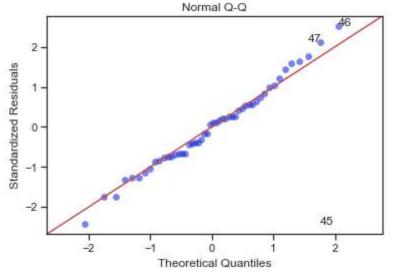
Pass the following variables as keyword args: x, y. From version 0.12, the only valid position all argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

Pass the following variables as keyword args: x, y. From version 0.12, the only valid position all argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

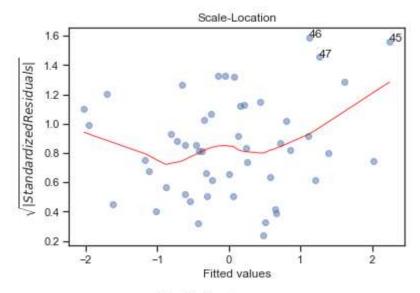
Diagnostic Tests of Regression

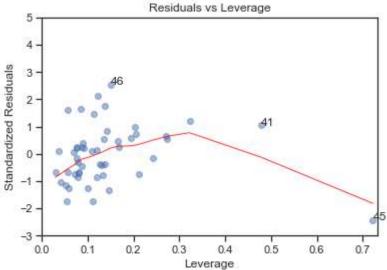
:{"Non\_Linearity\_Test": [["F value", NaN], ["p value", NaN]], "Hetroskedasticity\_Test": [["Lag range multiplier statistic", 5.4385149152484935], ["p-value", 0.4889189414357331], ["f-value", 0.8746571952248081], ["f p-value", 0.5214128740268116]], "Residual\_Normality\_Test": [["Jarque-Bera", 1.4762778060546502], ["Chi^2 two-tail prob.", 0.478002697583096], ["Skew", 0.3953845044 2848944], ["Kurtosis", 2.711386553435944]], "MultiCollnearity\_Test": [["condition no", 1.00000 62322020857]], "Residual\_AutoCorrelation\_Test": [["p value", 1.5772286825239092]]}





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

Prob(Omnibus):

## OLS Regression Results

Dep. Variable:	Income	R-squared (uncentered):	0.896
Model:	OLS	Adj. R-squared (uncentered):	0.881
Method:	Least Squares	F-statistic:	62.92
Date:	Sat, 22 Jan 2022	Prob (F-statistic):	5.75e-20
Time:	04:33:41	Log-Likelihood:	-14.456
No. Observations:	50	AIC:	40.91
Df Residuals:	44	BIC:	52.38
Df Model:	6		
Covariance Type:	nonrobust		

[0.025 coef 0.975] std err P>|t| Poverty -0.5771 0.049 -11.848 0.000 -0.675 -0.479 Infant Mort -0.1292 0.049 -2.652 0.011 -0.227 -0.031 White -0.1968 0.049 -4.041 0.000 -0.295 -0.099 Doctors 0.5388 0.049 11.062 0.000 0.441 0.637 University 0.4484 0.049 9.206 0.350 0.547 0.000 0.1255 Population 0.049 2.577 0.013 0.027 0.224 Omnibus: 1.554 Durbin-Watson: 1.577

0.460

127.0.0.1:8082

Jarque-Bera (JB):

1.476

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Notes

- [1]  $R^2$  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)>

127.0.0.1:8082