

```
In [3]: runfile('C:/Users/claire.loupias/Desktop/exercice-4.1.py', wdir='C:/Users/claire.loupias/Desktop')
```

OLS Regression Results

```
=====
Dep. Variable:          voteA    R-squared:                0.793
Model:                  OLS      Adj. R-squared:           0.789
Method:                 Least Squares    F-statistic:              215.2
Date:                   Wed, 25 Mar 2020    Prob (F-statistic):       1.80e-57
Time:                   16:20:27          Log-Likelihood:           -596.88
No. Observations:      173             AIC:                      1202.
Df Residuals:          169             BIC:                      1214.
Df Model:               3
Covariance Type:       nonrobust
=====
```

	coef	std err	t	P> t	[0.025	0.975]
Intercept	45.0879	3.927	11.482	0.000	37.336	52.840
logged_expendA	6.0814	0.382	15.915	0.000	5.327	6.836
logged_expendB	-6.6156	0.379	-17.461	0.000	-7.364	-5.868
prtystrA	0.1520	0.062	2.451	0.015	0.030	0.274

```
=====
Omnibus:                8.908    Durbin-Watson:           1.604
Prob(Omnibus):          0.012    Jarque-Bera (JB):        8.841
Skew:                   0.493    Prob(JB):                 0.0120
Kurtosis:               3.505    Cond. No.                 344.
=====
```

Warnings:

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

OLS Regression Results

```
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Model:                  OLS      Adj. R-squared:           0.789
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Df Residuals:          169             BIC:                      1214.
Df Model:               3
Covariance Type:       nonrobust
=====
```

	coef	std err	t	P> t	[0.025	0.975]
Intercept	45.0879	3.927	11.482	0.000	37.336	52.840
logged_expendA	-0.5343	0.533	-1.002	0.318	-1.587	0.518
expend_gap	-6.6156	0.379	-17.461	0.000	-7.364	-5.868
prtystrA	0.1520	0.062	2.451	0.015	0.030	0.274

```
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Omnibus:                8.908    Durbin-Watson:           1.604
Prob(Omnibus):          0.012    Jarque-Bera (JB):        8.841
Skew:                   0.493    Prob(JB):                 0.0120
Kurtosis:               3.505    Cond. No.                 343.
=====
```

Warnings:

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specified.

In [4]: