

Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]
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IPython 7.8.0 -- An enhanced Interactive Python.

```
In [1]: runfile('C:/Users/claire.loupias/Desktop/exercice-2.1.py', wdir='C:/Users/claire.loupias/Desktop')
```

Le taux de participation moyen est : 87.36

Contribution moyenne des employeurs : 0.73

OLS Regression Results

```
=====
Dep. Variable:          prate      R-squared:                0.075
Model:                  OLS      Adj. R-squared:           0.074
Method:                 Least Squares  F-statistic:             123.7
Date:                   Wed, 26 Feb 2020  Prob (F-statistic):     1.10e-27
Time:                   11:04:07      Log-Likelihood:         -6437.0
No. Observations:      1534          AIC:                    1.288e+04
Df Residuals:          1532          BIC:                    1.289e+04
Df Model:               1
Covariance Type:       nonrobust
=====
```

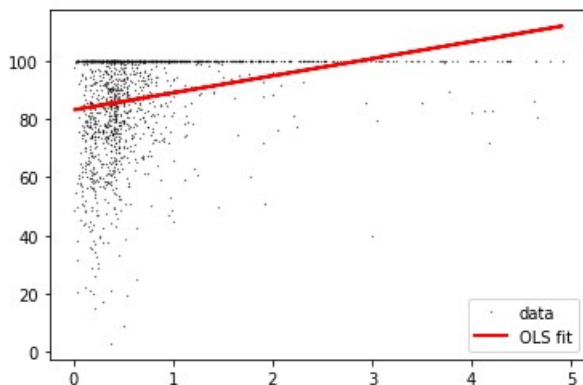
	coef	std err	t	P> t	[0.025	0.975]
Intercept	83.0755	0.563	147.484	0.000	81.971	84.180
mrate	5.8611	0.527	11.121	0.000	4.827	6.895

```
=====
Omnibus:                394.767      Durbin-Watson:           1.908
Prob(Omnibus):          0.000      Jarque-Bera (JB):       870.172
Skew:                   -1.444      Prob(JB):                1.11e-189
Kurtosis:               5.296      Cond. No.                2.32
=====
```

Warnings:

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

Le taux de participation moyen si mrate=3,5 est 103.59



In [2]: