LaTeX- Exercise

IFMR Summit 2015

XYZ

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This is an exercise to understand the basic functions of LaTeX.

Contents

1 Equations

1. **Single Equation**

$$income = \alpha + \beta_1.education + \beta_2.age + \delta.gender\_dummy + \epsilon \quad (1)$$

2. **Long equation**

$$income = \alpha + \beta_1.education + \beta_2.age + \delta.gender\_dummy + \delta_u.urban + \delta_r.rural + \epsilon$$

3. **Split environment**

$$\begin{aligned} z &= x + x + x + y + y \\ &= 3x + 2y \end{aligned} \quad (2)$$

4. **Align Environment**

$$\begin{aligned} 3x + 2y &= 34 \\ 2x + y &= 20 \end{aligned}$$

5. **Matrix**

$$\begin{bmatrix} x & y \\ z & v \end{bmatrix}$$

2 Tables

Prisoner 1/Prisoner 2	Confess	Deny
Confess	$(-3, -3)$	$(-1, -5)$
Deny	$(-5, -1)$	$(0, 0)$

3 STATA Output

- **Regression output**

Table 1: Sample regression

	(1) Without regional dummies	(2) Including regional dummies
lexp	-0.0651**	-0.0397
	(0.047)	(0.103)
gnppc	-0.00000986	-0.00000286
	(0.498)	(0.791)
1.region		0
		(.)
2.region		1.211***
		(0.000)
3.region		1.297***
		(0.000)
_cons	5.768**	3.433**
	(0.012)	(0.045)
N	63	63
F	6.765	19.46
r2	0.184	0.573

p-values in parentheses

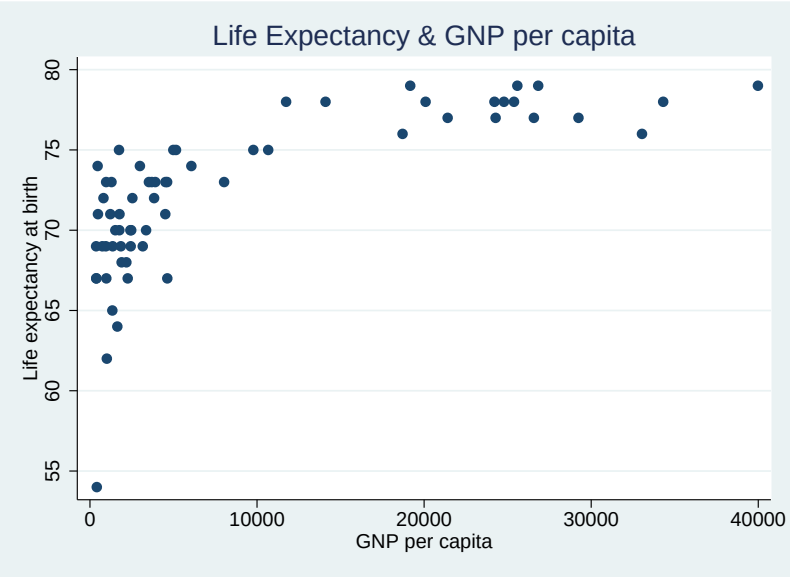
This is a sample regression.

* $p < .10$, ** $p < .05$, *** $p < .01$

- **Data Matrix**

	N. and S. America	Europe and C. Asia	Difference	(p-value)
GNP per capita	4,829.82	10,738.05	-5,908.23	0.03
Life expectancy	70.83	73.07	-2.23	0.06
(n)	24.00	44.00		

- **Graph**


Life Expectancy & GNP per capita
Life expectancy at birth
55
60
65
70
75
80
0
10000
20000
30000
40000
GNP per capita