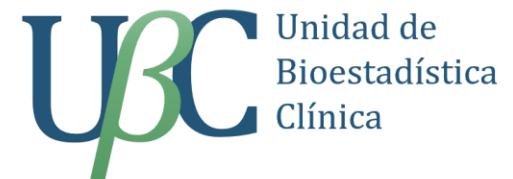


# Make it easy with valuable commands in Stata: **dtable and collect**

Laura del Campo Albendea

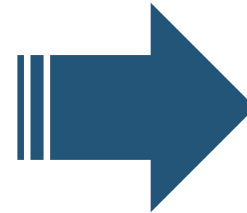
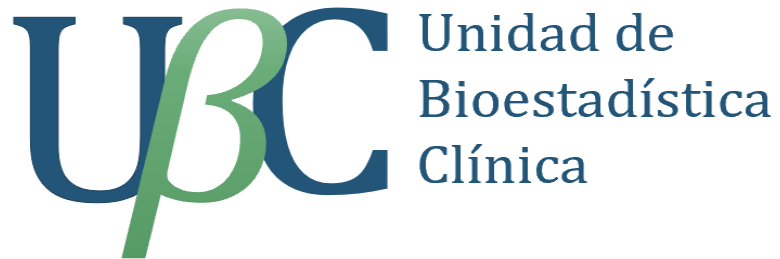
*Unidad de Bioestadística Clínica, Hospital Universitario Ramón y Cajal (IRYCIS). CIBER*

*Epidemiología y Salud Pública (CIBERESP). Madrid, España*



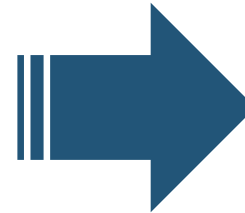
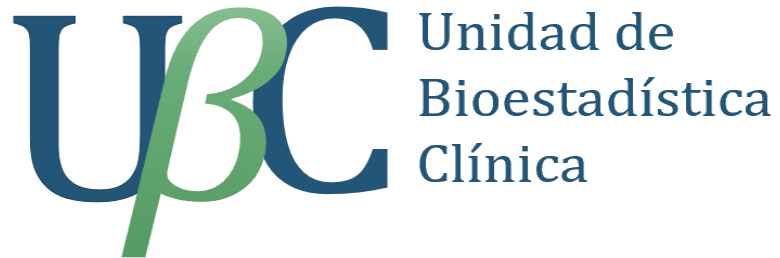
# La UBC actúa como **Unidad Central de Apoyo (UCA)**

- Soporte en la **realización y análisis estadístico** de los estudios



# La UBC actúa como **Unidad Central de Apoyo (UCA)**

- Soporte en la **realización y análisis estadístico** de los estudios
- Supone habitualmente desarrollar informes de resultados



Content:	
1. GENERAL DATA ABOUT THE THORACIC TUMOR REGISTRY.....	3
1.1. Contribution of the hospitals according to Autonomous community.....	3
1.2. Incidence of NSCLC and the other thoracic tumors in the TTR .....	4
2. NSCLC: stage IV analysis .....	4
3. TREATMENT INFORMATION.....	9
3.1. First line treatments in Stage IV population.....	9
4. OUTCOMES AND SURVIVAL ANALYSIS.....	10
4.1. General Progression free survival.....	11
4.2. General Overall survival .....	12
4.3. Overall survival depending on the presence or absence of brain metastases at diagnosis.....	13
4.4. Time to treatment failure depending on type of treatment .....	14

# Empezamos con tablas creadas de forma manual...

```
Archivo Edición Ver Idioma Proyecto Herramientas
do tablas manuales* x
1
2 use https://www.stata-press.com/data/r18/cattaneo2.dta
3
4
5
6 /*
7 -----
8                               VARIABLES CONTINUAS
9 -----
10 */
11
12 local evento lbweight
13
14 local lista mage nprenatal monthslb msmoke
15
16 foreach var in `lista'{
17     quiet: summ `var', detail
18     local col_0 = r(N)
19     local col_1 = r(mean)
20     local col_2 = r(sd)
21     quiet: summ `var' if `evento' == 0, detail
22     local col_3 = r(mean)
23     local col_4 = r(sd)
24
25     quiet: summ `var' if `evento' == 1, detail
26     local col_5 = r(mean)
27     local col_6 = r(sd)
28     quiet: ttest `var', by(`evento')
29     local col_7 = r(mu_1)-r(mu_2)
30     local col_8= (r(mu_1)-r(mu_2)) - 1.96*r(se)
31     local col_9= (r(mu_1)-r(mu_2)) + 1.96*r(se)
32     quiet: ranksum `var', by(`evento')
33     local p_val=2*(1-normal(abs(r(z))))
34
35     disp "`var'" # " # " string(`col_0', "%3.0f") " # " string(`col_1', "%3.1f") " (" ///
36     string(`col_2', "%3.1f") " ) " # " ///
37     string(`col_3', "%3.1f") " (" string(`col_4', "%3.1f") " ) " # " ///
38     string(`col_5', "%3.1f") " (" string(`col_6', "%3.1f") " ) # " ///
39     string(`col_7', "%3.1f") " (" string(`col_8', "%3.1f") " ; " ///
40     string(`col_9', "%3.1f") " ) " # " string(`p_val', "%6.3f")
41
42 }
43
44
45 /*
46
47 mage # 4642 # 26.5 (5.6) # 26.6 (5.6) # 25.5 (6.0) # 1.1 (0.4; 1.7) # 0.003
48 nprenatal # 4642 # 10.8 (3.7) # 10.9 (3.5) # 8.1 (4.6) # 2.8 (2.3; 3.2) # 0.000
49 monthslb # 4642 # 23.1 (32.7) # 23.0 (32.5) # 23.6 (35.8) # -0.6 (-4.5; 3.4) # 0.657
50 msmoke # 4642 # 0.4 (0.9) # 0.4 (0.9) # 0.8 (1.1) # -0.4 (-0.5; -0.3) # 0.000
51
52 */
53
54
55 /*
56 -----

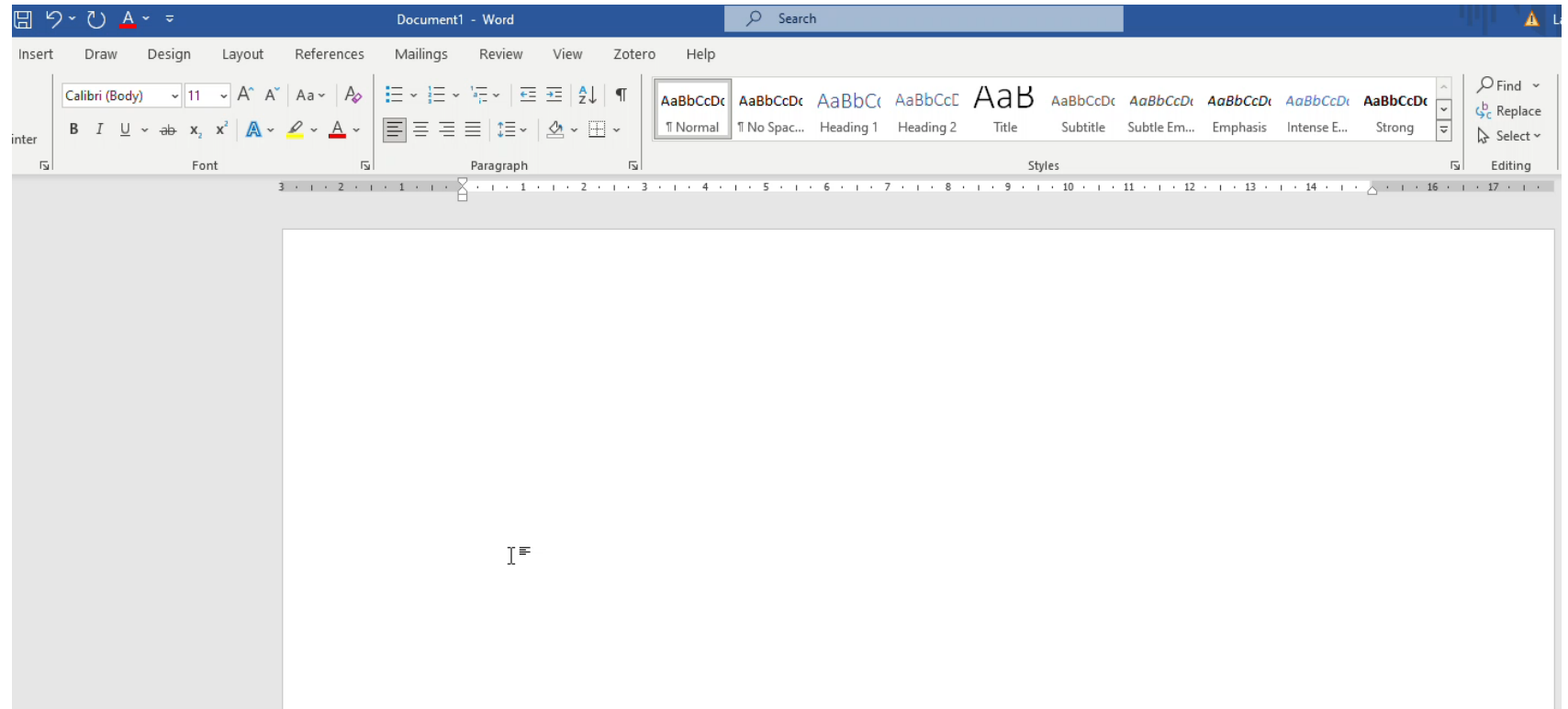
```

Linea: 2, Col: 1 CAP NUM OVR

# Empezamos con tablas creadas de forma manual...

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100 *****
```

**mage # 4642 # 26.5 (5.6) # 26.6 (5.6) # 25.5 (6.0) # 1.1 (0.4; 1.7) # 0.003**  
**nprenatal # 4642 # 10.8 (3.7) # 10.9 (3.5) # 8.1 (4.6) # 2.8 (2.3; 3.2) # 0.000**  
**months1b # 4642 # 23.1 (32.7) # 23.0 (32.5) # 23.6 (35.8) # -0.6 (-4.5; 3.4) # 0.657**  
**msmoke # 4642 # 0.4 (0.9) # 0.4 (0.9) # 0.8 (1.1) # -0.4 (-0.5; -0.3) # 0.000**



# baselinetable y table1\_mc parecían la salvación...

```

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```

		Total	No	Yes	p-value
		N=4,642	N=4,362	N=280	
<b>Mother's age</b>		26.50 (5.62)	26.57 (5.59)	25.51 (5.99)	0.002
<b>Mother is white</b>	No	740 (15.94%)	640 (14.67%)	100 (35.71%)	<0.001
	Yes	3,902 (84.06%)	3,722 (85.33%)	180 (64.29%)	
<b>Previous births where newborn died</b>	No	3,438 (74.06%)	3,240 (74.28%)	198 (70.71%)	0.19
	Yes	1,204 (25.94%)	1,122 (25.72%)	82 (29.29%)	
<b>Months since last birth</b>		23.07 (32.67)	23.04 (32.46)	23.64 (35.83)	0.77
<b>Mother smoked</b>	Nonsmoker	3,778 (81.39%)	3,593 (82.37%)	185 (66.07%)	<0.001
	Smoker	864 (18.61%)	769 (17.63%)	95 (33.93%)	
<b>Months since last birth</b>		13.00 (0.00-35.00)	13.00 (0.00-35.00)	11.00 (0.00-32.50)	0.66

# baselinetable y table1\_mc parecían la salvación...

```

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TABLE1_MC
cd "C:\Users\Usuario\Dropbox\Consultas en curso\Tesis"
table1_mc , by(lbweight) vars(mage contn\ mrace cat\ deadkids cat\ monthslb contn\ mbsmoke cat\ monthslb conts) percfmat(%9.2f) format(%9.2f) pdp(3) total(before) saving(table_mc, replace)

```

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Total	0	1	p-value	Total	0	1	Total	0	1	Total	Total	0	0	1	1
2			N=4,642	N=4,362	N=280		4,642	4,362	280	0	0	0						
3	Mother's a		26.50 (5.6)	26.57 (5.5)	25.51 (5.9)	0.002	4,642	4,362	280	0	0	0	26.50	(5.62)	26.57	(5.59)	25.51	(5.99)
4	1 if mothe	0	740 (15.94)	640 (14.67)	100 (35.71)	<0.001	4,642	4,362	280	0	0	0	740	(15.94%)	640	(14.67%)	100	(35.71%)
5		1	3,902 (84.1)	3,722 (85.3)	180 (64.29)								3,902	(84.06%)	3,722	(85.33%)	180	(64.29%)
6	Previous t	0	3,438 (74.1)	3,240 (74.1)	198 (70.71)	0.19	4,642	4,362	280	0	0	0	3,438	(74.06%)	3,240	(74.28%)	198	(70.71%)
7		1	1,204 (25.9)	1,122 (25.7)	82 (29.29%)								1,204	(25.94%)	1,122	(25.72%)	82	(29.29%)
8	Months si		23.07 (32.4)	23.04 (32.4)	23.64 (35.8)	0.77	4,642	4,362	280	0	0	0	23.07	(32.67)	23.04	(32.46)	23.64	(35.83)
9	1 if mothe	Nonsmoker	3,778 (81.3)	3,593 (82.3)	185 (66.07)	<0.001	4,642	4,362	280	0	0	0	3,778	(81.39%)	3,593	(82.37%)	185	(66.07%)
10		Smoker	864 (18.61)	769 (17.63)	95 (33.93%)								864	(18.61%)	769	(17.63%)	95	(33.93%)
11	Months si		13.00 (0.00-35.0)	13.00 (0.00-35.0)	11.00 (0.00-32.50)	0.66	4,642	4,362	280	0	0	0	13.00	(0.00-35.0)	13.00	(0.00-35.0)	11.00	(0.00-32.50)
12																		
13																		



# En ambos casos teníamos inconvenientes:

---

- Poca capacidad de unificar o modificar los apartados de la tabla
- La edición de formato tiene que hacerse directamente en otros programas (Word, Excel)
- **Ladrones del tiempo:** informes con un gran número de tablas y figura, problemas de capacidad de programas externos, corrección de formato, etc.





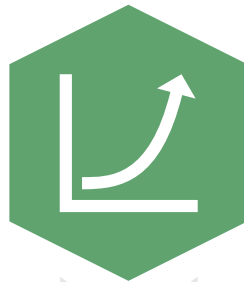
# Pero hemos detectado una forma de **optimización**:



# Pero hemos detectado una forma de **optimización**:



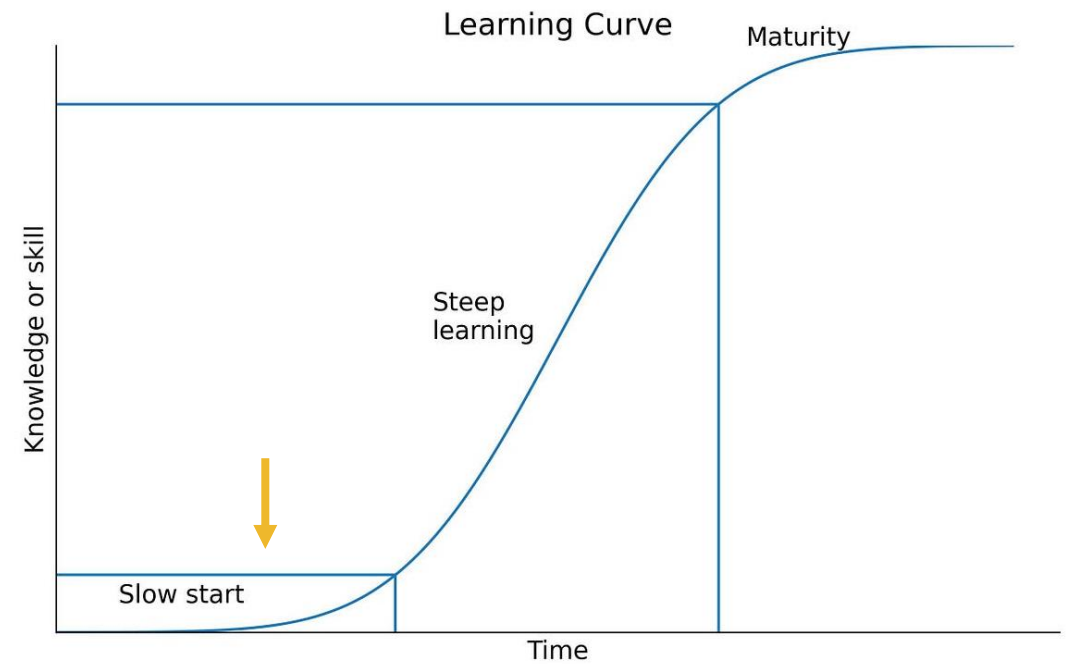
dtable



collect



putdocx



# Hemos usado *dtable* como nuestro punto de partida

```
dtable, by(lbweight, tests testnotes nototal) sample(, statistic(frequency proportion)) ///
continuous(mage months1b, statistics(mean sd) test(regress)) ///
continuous(months1b, statistics(q2 q1 q3) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent))
```

	Low birthweight baby		Test
	No	Yes	
N	4,362 0.940	280 0.060	
Mother's age	26.568 (5.589)	25.514 (5.988)	0.002
Months since last birth	13.000 0.000 35.000	11.000 0.000 32.500	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
Nonsmoker	3,593 (82.4%)	185 (66.1%)	<0.001
Smoker	769 (17.6%)	95 (33.9%)	
Trimester of first prenatal care visit			
0	46 (1.1%)	24 (8.6%)	<0.001
1	3,519 (80.7%)	201 (71.8%)	
2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Hemos usado *dtable* como nuestro punto de partida

```
dtable, by(lbweight, tests testnotes nototal) sample(, statistic(frequency proportion) place(seplabels)) ///
continuous(mage months1b, statistics(mean sd) test(regress)) ///
continuous(months1b, statistics(q2 q1 q3) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent))
```

	Low birthweight baby		Test
	No	Yes	
	4,362	280	
Mother's age	26.568 (5.589)	25.514 (5.988)	0.002
Months since last birth	13.000 0.000 35.000	11.000 0.000 32.500	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
Nonsmoker	3,593 (82.4%)	185 (66.1%)	<0.001
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1	3,519 (80.7%)	201 (71.8%)	
2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Hemos usado *dtable* como nuestro punto de partida

```
dtable, by(lbweight, tests testnotes nototal)sample(, statistic(frequency proportion) place(seplabels)) ///
define(iqi = q1 q3, delimiter("; ")) ///
continuous(mage monthslb, statistics(mean sd) test(regress)) ///
continuous(monthslb, statistics(q2 iq1) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent))
```

	Low birthweight baby		Test
	No 4,362	Yes 280	
Mother's age	26.568 (5.589)	25.514 (5.988)	0.002
Months since last birth	13.000 0.000; 35.000	11.000 0.000; 32.500	0.677
Mother is white			
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Yes	3,722 (85.3%)	180 (64.3%)	
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No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
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Smoker	769 (17.6%)	95 (33.9%)	
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2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Hemos usado *dtable* como nuestro punto de partida

```
dtable, by(lbweight, tests testnotes nototal)sample(, statistic(frequency proportion) place(seplabels)) ///
define(iqi = q1 q3, delimiter("; ")) ///
nformat(%6.1f mean sd) nformat(%6.1f q2 iq) ///
sformat("[%s]" iq) sformat("(%s)" fvproportion) sformat("n=%s" frequency) ///
continuous(mage monthslb, statistics(mean sd) test(regress)) ///
continuous(monthslb, statistics(q2 iq) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent))
```

	Low birthweight baby		Test
	No n=4,362	Yes n=280	
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
Nonsmoker	3,593 (82.4%)	185 (66.1%)	<0.001
Smoker	769 (17.6%)	95 (33.9%)	
Trimester of first prenatal care visit			
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1	3,519 (80.7%)	201 (71.8%)	
2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Y usamos *collect* para crear nuestra imagen de marca

```
dtable, by(lbweight, tests testnotes nototal)sample(, statistic(frequency proportion) place(seplabels)) ///
define(iqi = q1 q3, delimiter("; ")) ///
nformat(%6.1f mean sd) nformat(%6.1f q2 iq1) ///
sformat("[%s]" iq1) sformat("(%s)" fvproportion) sformat("n=%s" frequency) ///
continuous(mage monthslb, statistics(mean sd) test(regress)) ///
continuous(monthslb, statistics(q2 iq1) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent)) ///
export(myfile.docx, replace)
```

```
collect style cell border_block[column-header corner row-header item], ///
border(top bottom, width(1) pattern(double) color(35 85 120))
collect export "myfile.docx", replace
```



# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect export "myfile.docx", replace
```

	Low birthweight baby		Test
	No n=4,362	Yes n=280	
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
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No	3,240 (74.3%)	198 (70.7%)	0.187
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3	146 (3.3%)	9 (3.2%)	

# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)  
collect export "myfile.docx", replace
```

	Low birthweight baby		
	No n=4,362	Yes n=280	Test
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
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Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
Nonsmoker	3,593 (82.4%)	185 (66.1%)	<0.001
Smoker	769 (17.6%)	95 (33.9%)	
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3	146 (3.3%)	9 (3.2%)	

# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///
border(top bottom, width(1) pattern(double) color(35 85 120))
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///
shading(foreground(85 150 100))
collect export "myfile.docx", replace
```

	Low birthweight baby		Test
	No n=4,362	Yes n=280	
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
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2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Y usamos *collect* para crear nuestra imagen de marca

```
dtable, by(lbweight, tests testnotes nototal)sample(, statistic(frequency proportion) place(seplabels)) ///  
define(iqi = q1 q3, delimiter("; ")) ///  
nformat(%6.1f mean sd) nformat(%6.1f q2 iq1) ///  
sformat("[%s]" iq1) sformat("(%s)" fvproportion) sformat("n=%s" frequency) ///  
continuous(mage monthslb, statistics(mean sd) test(regress)) ///  
continuous(monthslb, statistics(q2 iq1) test(kwallis)) ///  
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent)) ///  
export(myfile.docx, replace)
```

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)  
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///  
shading(foreground(85 150 100))  
collect export "myfile.docx", replace
```

# Y usamos *collect* para crear nuestra imagen de marca

```
dtable, by(lbweight, tests testnotes nototal)sample(, statistic(frequency proportion) place(inlabels)) ///
define(iqi = q1 q3, delimiter("; ")) ///
nformat(%6.1f mean sd) nformat(%6.1f q2 iq1) ///
sformat("[%s]" iq1) sformat("(%s)" fvproportion) sformat("n=%s" frequency) ///
continuous(mage monthslb, statistics(mean sd) test(regress)) ///
continuous(monthslb, statistics(q2 iq1) test(kwallis)) ///
factor(mrace deadkids mbsmoke prenatal, statistics(fvfrequency fvpercent)) ///
export(myfile.docx, replace)
```

```
collect style cell border_block[column-header corner row-header item], ///
border(top bottom, width(1) pattern(double) color(35 85 120))
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///
shading(foreground(85 150 100))
collect export "myfile.docx", replace
```

# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)  
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///  
shading(foreground(85 150 100))  
collect export "myfile.docx", replace
```

	No n=4,362	Low birthweight baby Yes n=280	Test
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
No	640 (14.7%)	100 (35.7%)	<0.001
Yes	3,722 (85.3%)	180 (64.3%)	
Previous births where newborn died			
No	3,240 (74.3%)	198 (70.7%)	0.187
Yes	1,122 (25.7%)	82 (29.3%)	
Mother smoked			
Nonsmoker	3,593 (82.4%)	185 (66.1%)	<0.001
Smoker	769 (17.6%)	95 (33.9%)	
Trimester of first prenatal care visit			
0	46 (1.1%)	24 (8.6%)	<0.001
1	3,519 (80.7%)	201 (71.8%)	
2	651 (14.9%)	46 (16.4%)	
3	146 (3.3%)	9 (3.2%)	

# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)  
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///  
shading(foreground(85 150 100))  
collect style cell cell_type[row-header], shading(foreground(215 235 215)) font(Arial, size(10))  
collect style cell result[regress kwallis pearson], minimum(0.001) nformat(%6.3f)  
collect export "myfile.docx", replace
```

	Low birthweight baby		Test
	No n=4,362	Yes n=280	
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13.0 [0.0; 35.0]	11.0 [0.0; 32.5]	0.677
Mother is white			
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# Y usamos *collect* para crear nuestra imagen de marca

```
collect style cell border_block[column-header corner row-header item], ///  
border(top bottom, width(1) pattern(double) color(35 85 120))  
collect style cell result, font(Arial, size(10) color(35 85 120)) halign(center)  
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) ///  
shading(foreground(85 150 100))  
collect style cell cell_type[row-header], shading(foreground(215 235 215)) font(Arial, size(10))  
collect style cell result[regress kwallis pearson], minimum(0.001) nformat(%6.3f)  
collect title "Tabla 1. Análisis descriptivo de la muestra por grupo"  
collect style title, font(Arial, size(9) color(35 85 120) italic)  
collect export "myfile.docx", replace
```



*Tabla 1. Análisis univariable de la muestra por grupo*

	Low birthweight baby	
	No n=4,362	Yes n=280
Mother's age	26.6 (5.6)	25.5 (6.0)
Months since last birth	13.0 [0.0: 35.0]	11.0 [0.0: 32.5]

# Utilización más asequible por parte de todos

```
1 capture program drop table_abc
2
3 cd "G:\Mi unidad"
4
5 program define table_abc, eclass
6 version 18.0
7
8 syntax [if] [in], [contn(varlist) conts(varlist) cat(varlist) by(varlist) tests]
9
10 if missing("`by'") & "`tests'" != "" {
11     di as error "Error: the " as res "tests" as error " option is only available when the sample is splitted using the " as res "by" as error " option."
12     exit 1
13 }
14
15 if "`contn'" != "" {
16     if "`tests'" != "" {
17         local note1 "note(Mean (Standard deviation): p-value from Student-T test.)"
18     }
19     else {
20         local note1 "note(Mean (Standard deviation))"
21     }
22 }
23 if "`conts'" != "" {
24     if "`tests'" != "" {
25         local note2 "note(Median [p25; p75]: p-value from Kruskal-Wallis test.)"
26     }
27     else {
28         local note2 "note(Median [p25; p75])"
29     }
30 }
31 if "`cat'" != "" {
32     if "`tests'" != "" {
33         local note3 "note(Frequency (%): p-value from Pearson test.)"
34     }
35     else {
36         local note3 "note(Frequency (%))"
37     }
38 }
39 }
```

Linea: 5, Col: 33 CAP NUM OVR

# Podemos hacerlo de forma general...

Archivo Edición Datos Gráficos Estadísticas Usuario Ventana Ayuda



Comando

I

Tabla 1. Demographic data

	Summary n=4,642
Mother's age	26.5 (5.6)
Months since last birth	13 [0; 35]
Mother is white	
No	740 (15.9%)
Yes	3,902 (84.1%)
Previous births where newborn died	
No	3,438 (74.1%)
Yes	1,204 (25.9%)
Mother smoked	
Nonsmoker	3,778 (81.4%)
Smoker	864 (18.6%)
Trimester of first prenatal care visit	
0	70 (1.5%)
1	3,720 (80.1%)
2	697 (15.0%)
3	155 (3.3%)

Mean (Standard deviation)

Median [p25; p75]

Frequency (%)

# O por grupos (con o sin prueba estadística)

Comando



Tabla 1. Demographic data

	Low birthweight baby	
	No n=4,362	Yes n=280
Mother's age	26.6 (5.6)	25.5 (6.0)
Months since last birth	13 [0; 35]	11 [0; 32]

# O por grupos (con o sin prueba estadística)

Comando



Tabla 1. Demographic data

	Low birthweight baby	
	No n=4,362	Yes n=280
Mother's age	26.6 (5.6)	25.5 (6.0)
Months since last birth	13 [0; 35]	11 [0; 32]

Comando



Tabla 1. Demographic data

	Low birthweight baby		Test
	No n=4,362	Yes n=280	
Mother's age	26.6 (5.6)	25.5 (6.0)	0.002
Months since last birth	13 [0; 35]	11 [0; 32]	0.677
Mother is white			

Trimester of first prenatal care visit	
0	46 (1.1%)
1	3,519 (80.7%)
2	651 (14.9%)
3	146 (3.3%)

Mean (Standard deviation): p-value from Student-T test.

Median [p25; p75]: p-value from Kruskal-Wallis test.

Frequency (%): p-value from Pearson test.

# Futuros pasos

---

- Desarrollar un programa parecido para obtener el resultado de los modelos

# Futuros pasos

- Desarrollar un programa parecido para obtener el resultado de los modelos

```
collect: regress bweight mage months1b
collect layout (colname) (result[_r_b _r_se _r_ci _r_p]) (cmdset)
collect title "Tabla 3. Modelo lineal predictivo"
collect style cell border_block[column-header corner row-header item], border(top bottom, width(1) pattern(double) color(35 85 120))
collect style cell cell_type[column-header corner], font(Arial, size(10) color(white) bold) shading(foreground(85 150 100))
collect style cell cell_type[row-header], shading(foreground(215 235 215))
collect style cell cell_type[column-header item], halign(center)
collect style cell cell_type[item], halign(center) font(Arial, size(10) color(35 85 120)) nformat(%6.2f)
collect style cell result[_r_ci], sformat("%s") cidelimiter(,)
collect style cell result[_r_p], minimum(0.001) nformat(%6.3f)
collect export "mymodel.docx", replace
```

Tabla 3. Modelo lineal predictivo

	Coefficient	Std. error	95% CI	p-value
Months since last birth	0.06	0.00	[0.06, 0.07]	<0.001
Low birthweight baby	-1.09	0.32	[-1.72, -0.46]	<0.001
Intercept	25.09	0.10	[24.90, 25.27]	<0.001



# Futuros pasos y problemas a solucionar

- Desarrollar un programa parecido para obtener el resultado de los modelos

```
cd "G:\Mi unidad"
collect style save mystyle, replace

collect clear
collect: regress bweight mage monthslb
collect style use mystyle
collect export "mymodel.docx", replace
```

Tabla 3. Modelo lineal predictivo

	Coefficient	Std. error	95% CI	p-value
Months since last birth	0.06	0.00	[0.06, 0.07]	<0.001
Low birthweight baby	-1.09	0.32	[-1.72, -0.46]	<0.001
Intercept	25.09	0.10	[24.90, 25.27]	<0.001



Tabla 3. Modelo lineal predictivo

	Coefficient	Std. error	95% CI	p-value
Months since last birth	.0643522	.0023394	[.0597659, .0689384]	<0.001
Low birthweight baby	-1.092204	.3209548	[-1.721428, -.4629799]	<0.001
Intercept	25.08548	.0954897	[24.89828, 25.27269]	<0.001

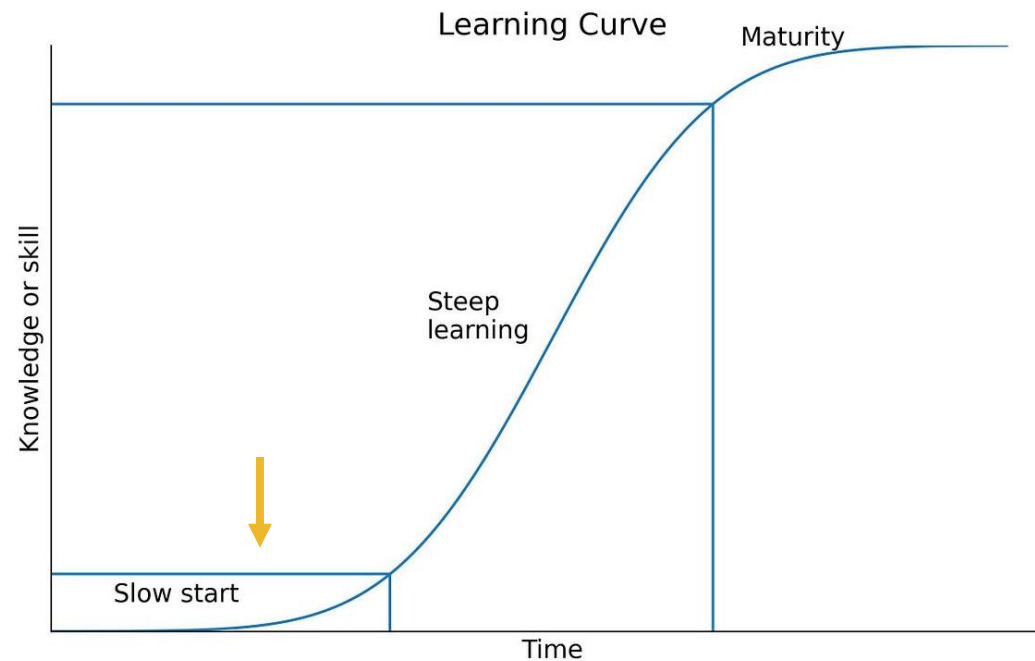
# Futuros pasos

---

- Desarrollar un programa parecido para obtener el resultado de los modelos
- Combinar *collect* y *putdocx* para optimizar nuestro tiempo en el proceso de desarrollar informes

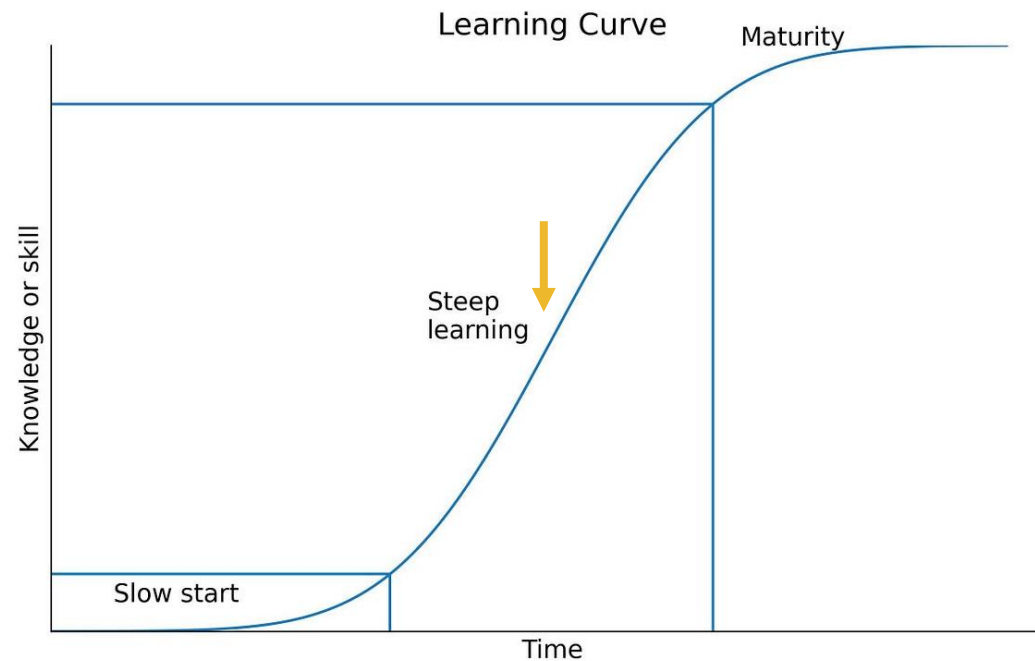
# Futuros pasos

- Desarrollar un programa parecido para obtener el resultado de los modelos
- Combinar ***collect*** y ***putdocx*** para optimizar nuestro tiempo en el proceso de desarrollar informes



# Futuros pasos


- Desarrollar un programa parecido para obtener el resultado de los modelos
- Combinar *collect* y *putdocx* para optimizar nuestro tiempo en el proceso de desarrollar informes



---

# *¡Muchas gracias por la atención!*

 @Bioest\_HRC

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@borjamfernandez Follows you



**Laura DCA**

@ldelcampalb Follows you

