Clase 7 - Taller de econometría aplicada

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kableExtra

Este paquete nos permite crear tablas con buen formato en R

```
datos <- mtcars[1:8,1:6]
kbl(datos,booktabs=T, linesep="") %>%
  kable_styling(position="center",
                latex_options=c("striped","HOLD_position"),
                stripe_index = c(1,2,5:6),
                full_width=F,
                font_size = 8)
```

	mpg	cyl	disp	hp	drat	wt
Mazda RX4	21.0	6	160.0	110	3.90	2.620
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875
Datsun 710	22.8	4	108.0	93	3.85	2.320
Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215
Hornet Sportabout	18.7	8	360.0	175	3.15	3.440
Valiant	18.1	6	225.0	105	2.76	3.460
Duster 360	14.3	8	360.0	245	3.21	3.570
Merc 240D	24.4	4	146.7	62	3.69	3.190

Podemos agregar encabezados y pies de página

```
kbl(datos,booktabs=T, linesep="") %>%
  add_header_above(c("", "Group 1" = 3,"Group 2" = 3)) %>%
  kable_styling(position="center",
                latex_options=c("striped","HOLD_position"),
                stripe_index = c(1,2,5:6),
                full_width=F,
                font_size = 8) %>%
  footnote(general="Own ellaboration")
```

	Group 1			Group 2		
	mpg	cyl	disp	hp	drat	wt
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Merc 240D	24.4	4	146.7	62	3.69	3.190

Note:
Own ellaboration

Race and Marriage in the Labor Market: A Discrimination Correspondence Study in a Developing Country

```
data %>% filter(all8==1) %>%
  group_by(photo) %>%
  summarize(Edad=mean(age),
            Sexo=mean(sex),
            Casado=mean(married),
            BPub=mean(public_highschool),
            UPub=mean(public_college),
            Beca=mean(scholarship),
            Llamado=mean(callback)) %>%
  kbl(booktabs=T,
      caption = "Características del grupo por raza",
      col.names=c("Raza","Edad","Sexo","Casado","BPub","UPub","Beca","Llamado"), digits=c(0,2,2,2,2,2,2
  kable_styling(position="center", latex_options=c("striped","HOLD_position"), full_width=F)
```

Table 1: Características del grupo por raza

Raza	Edad	Sexo	Casado	BPub	UPub	Beca	Llamado
1	24.44	0.5	0.26	0.52	0.64	0.31	0.14
2	24.60	0.5	0.26	0.50	0.61	0.21	0.13
3	24.70	0.5	0.25	0.50	0.64	0.27	0.12
4	24.49	0.5	0.34	0.48	0.61	0.23	0.11

Replicaremos la tabla

```
dt8 <- subset(data,all8==1)

wa <- subset(dt8,sex==1)
ws <- subset(dt8,sex==1 & married ==0)
```

```r
ma <- subset(dt8,sex==0)
ms <- subset(dt8,sex==0 & married == 0)

par1 <- table(wa$callback, wa$photo)
round(100*prop.table(par1,2),2)
```

```
##
##         1     2     3     4
##   0 84.41 85.79 86.78 87.91
##   1 15.59 14.21 13.22 12.09
```

```r
chisq.test(par1)
```

```
##
##  Pearson's Chi-squared test
##
## data:  par1
## X-squared = 4.4608, df = 3, p-value = 0.2158
```

```r
par2 <- table(ws$callback, ws$photo)
round(100*prop.table(par2,2),2)
```

```
##
##         1     2     3     4
##   0 84.35 86.75 85.90 86.65
##   1 15.65 13.25 14.10 13.35
```

```r
chisq.test(par2)
```

```
##
##  Pearson's Chi-squared test
##
## data:  par2
## X-squared = 1.7664, df = 3, p-value = 0.6223
```

```r
pbr1 <- table(ma$callback, ma$photo)
round(100*prop.table(pbr1,2),2)
```

```
##
##         1     2     3     4
##   0 88.40 88.28 90.15 90.15
##   1 11.60 11.72  9.85  9.85
```

```r
chisq.test(pbr1)
```

```
##
##  Pearson's Chi-squared test
##
## data:  pbr1
## X-squared = 2.7379, df = 3, p-value = 0.4338
```

```r
pbr2 <- table(ms$callback, ms$photo)
round(100*prop.table(pbr2,2),2)
```

```
##
##         1     2     3     4
##   0 88.47 88.79 91.45 90.04
##   1 11.53 11.21  8.55  9.96
```

```r
chisq.test(pbr2)
```

```
##
##  Pearson's Chi-squared test
##
## data:  pbr2
## X-squared = 3.4498, df = 3, p-value = 0.3273
```

Regresiones tabla 2

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: mié., feb. 24, 2021 - 09:03:54 a. m.

Table 2:

	Dependent variable:		
	callback		
	(1)	(2)	(3)
sex	0.043***		
	(0.008)		
public_college	−0.0004	0.0001	0.005
	(0.006)	(0.012)	(0.009)
married	−0.010	−0.018	0.010
	(0.008)	(0.014)	(0.012)
photo1	0.025***	0.025**	0.016
	(0.007)	(0.012)	(0.011)
photo2	0.017***	0.011	0.016
	(0.006)	(0.012)	(0.011)
photo4	−0.006	−0.008	−0.002
	(0.007)	(0.012)	(0.011)
Constant	0.015	−0.035	0.024
	(0.090)	(0.129)	(0.100)
Observations	8,149	3,208	3,208
R^2	0.006	0.003	0.004
Adjusted R^2	0.005	−0.001	0.0002
Residual Std. Error	0.334 (df = 8134)	0.345 (df = 3194)	0.310 (df = 3194)
F Statistic	3.657*** (df = 14; 8134)	0.802 (df = 13; 3194)	1.061 (df = 13; 3194)
Note:			*p<0.1; **p<0.05; ***p<0.01