

Analisis de ‘El juego de la fortuna’

Hector Corrada Bravo, Brad Pitt

June 24, 2015

```
# montar libreria de datos de beisbol
library(Lahman)

# montar otras librerias
library(dplyr)
library(ggplot2)
```

Preparar datos

La tabla **Salaries** continene salarios de jugadores.... La tabla **Teams** contiene numero de victorias por año....

```
# calcular total de salarios por equipo por año
payroll <- Salaries %>%
  group_by(yearID, teamID) %>%
  summarize(payload=sum(salary)/1e6)

team_payroll <- Teams %>%
  inner_join(payload, c("yearID", "teamID")) %>%
  filter(yearID >= 1990, yearID <= 2013) %>%
  select(yearID, teamID, W, payroll)
```

Aqui los primeras filas de la tabla:

yearID	teamID	W	payroll
1990	BOS	88	20.558333
1990	TOR	86	17.756834
1990	DET	79	17.593238
1990	CLE	77	14.487000
1990	BAL	76	9.680084
1990	ML4	74	19.719167
1990	NYA	67	20.912318
1990	OAK	103	19.887501
1990	CHA	94	9.491500
1990	TEX	83	14.874372

Graficos de victorias vs. nomina

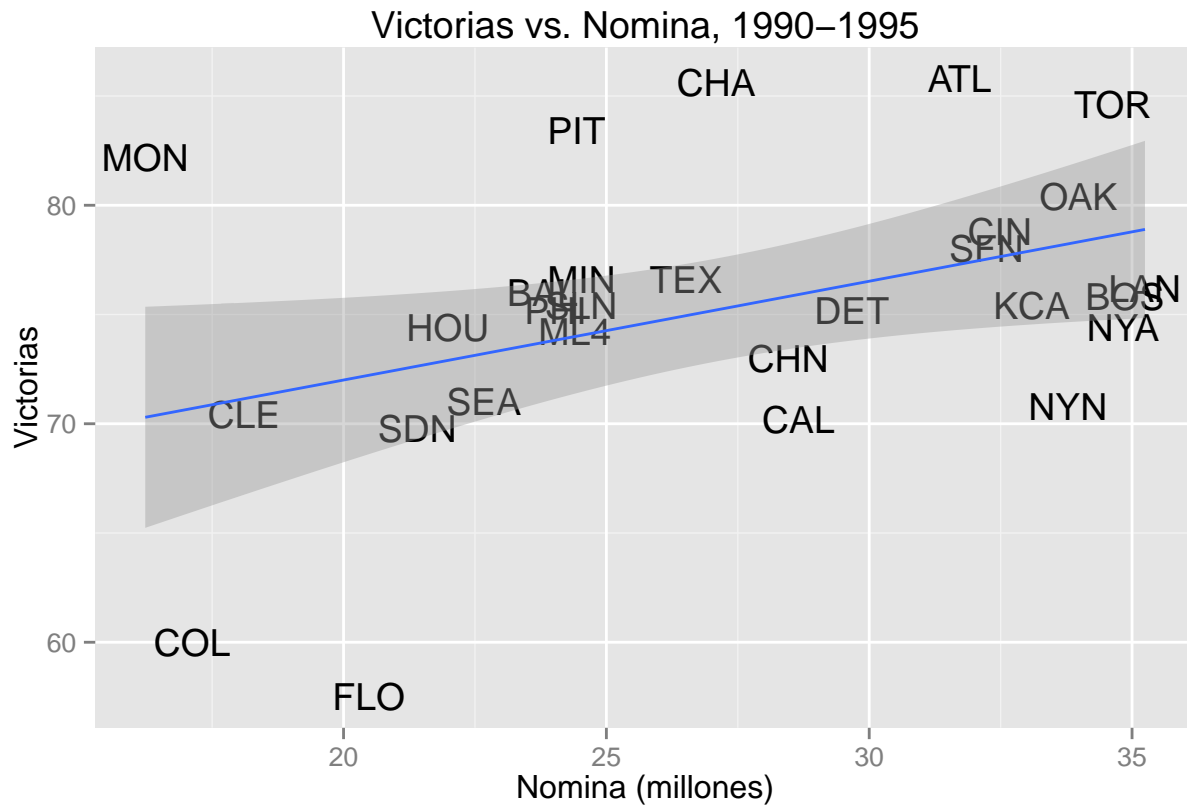
Aqui escrubsbkjhrhb

```
make_wins_payroll_graph <- function(start_year, end_year) {
  title <- paste0("Victorias vs. Nomina, ",
    start_year, "-", end_year)
```

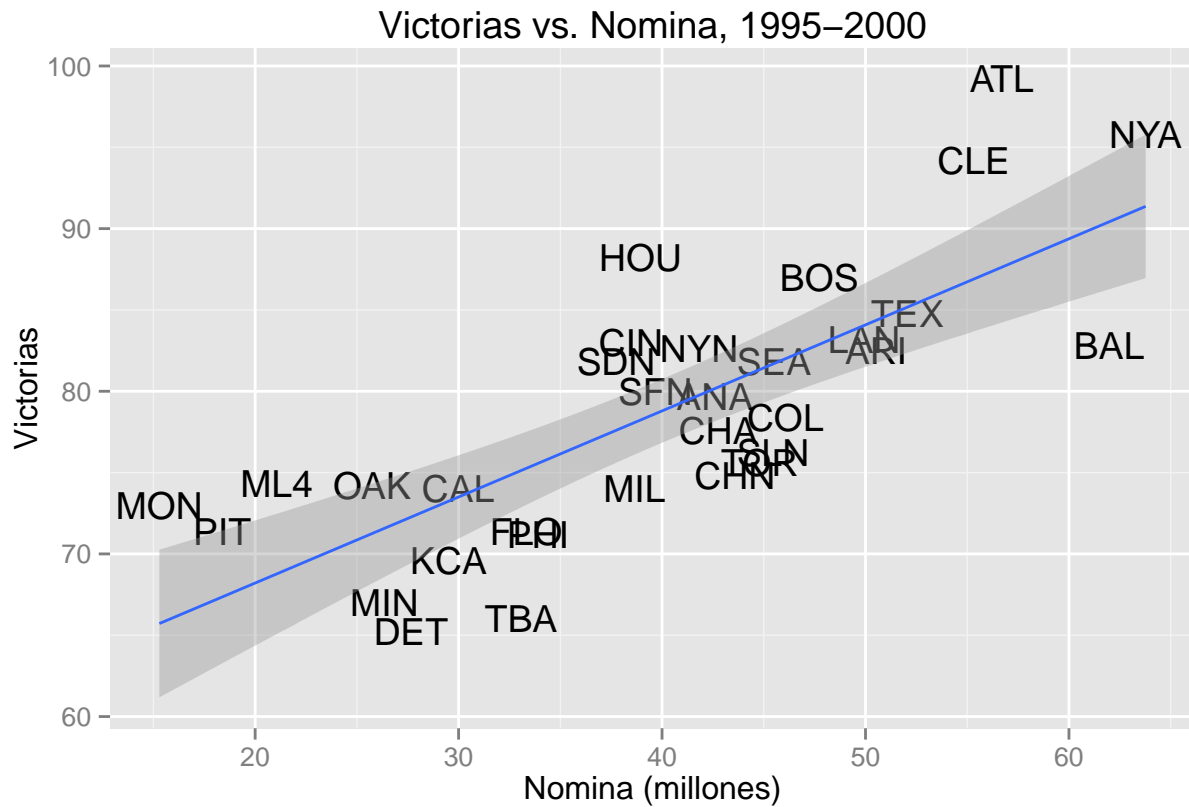
```

team_payroll %>%
  filter(yearID >= start_year, yearID < end_year) %>%
  group_by(teamID) %>%
  summarize(W=mean(W), payroll=mean(payroll)) %>%
  ggplot(aes(x=payroll, y=W, label=teamID)) +
    geom_text() +
    geom_smooth(method=lm) +
    labs(x="Nomina (millones)", y="Victorias", title=title)
}
make_wins_payroll_graph(1990, 1995)

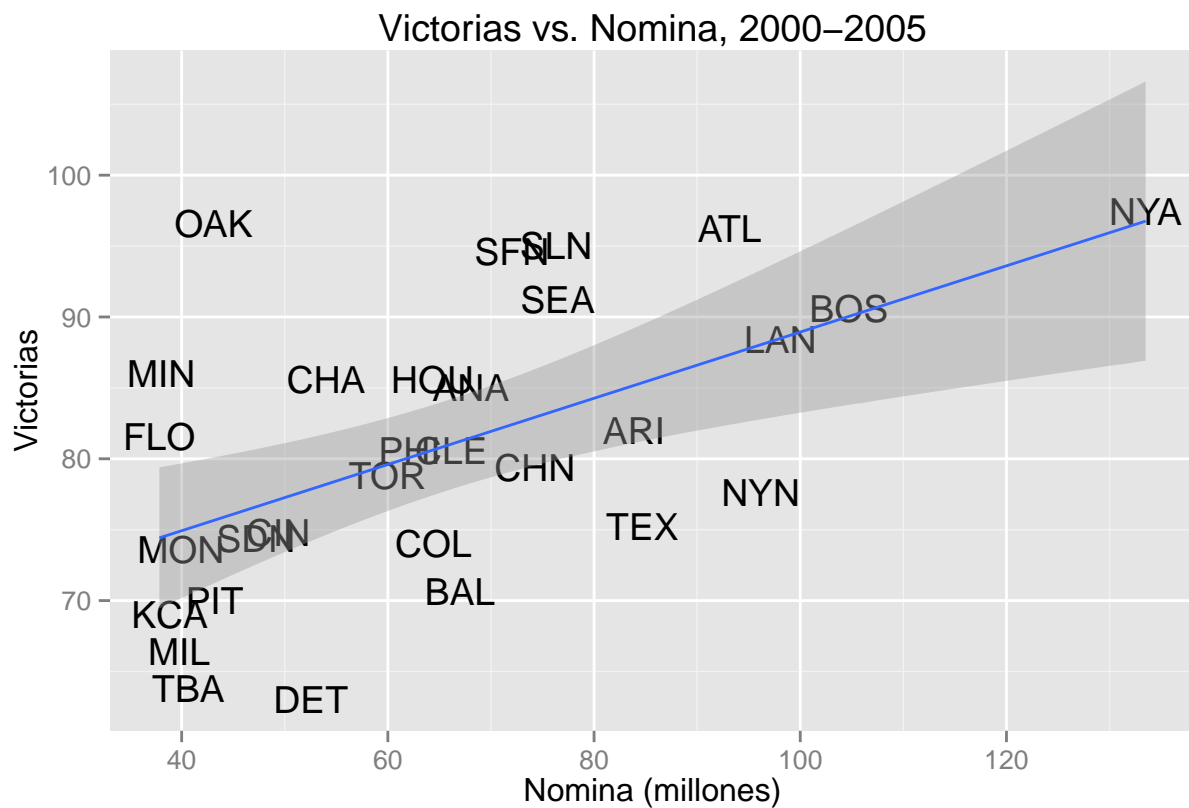
```



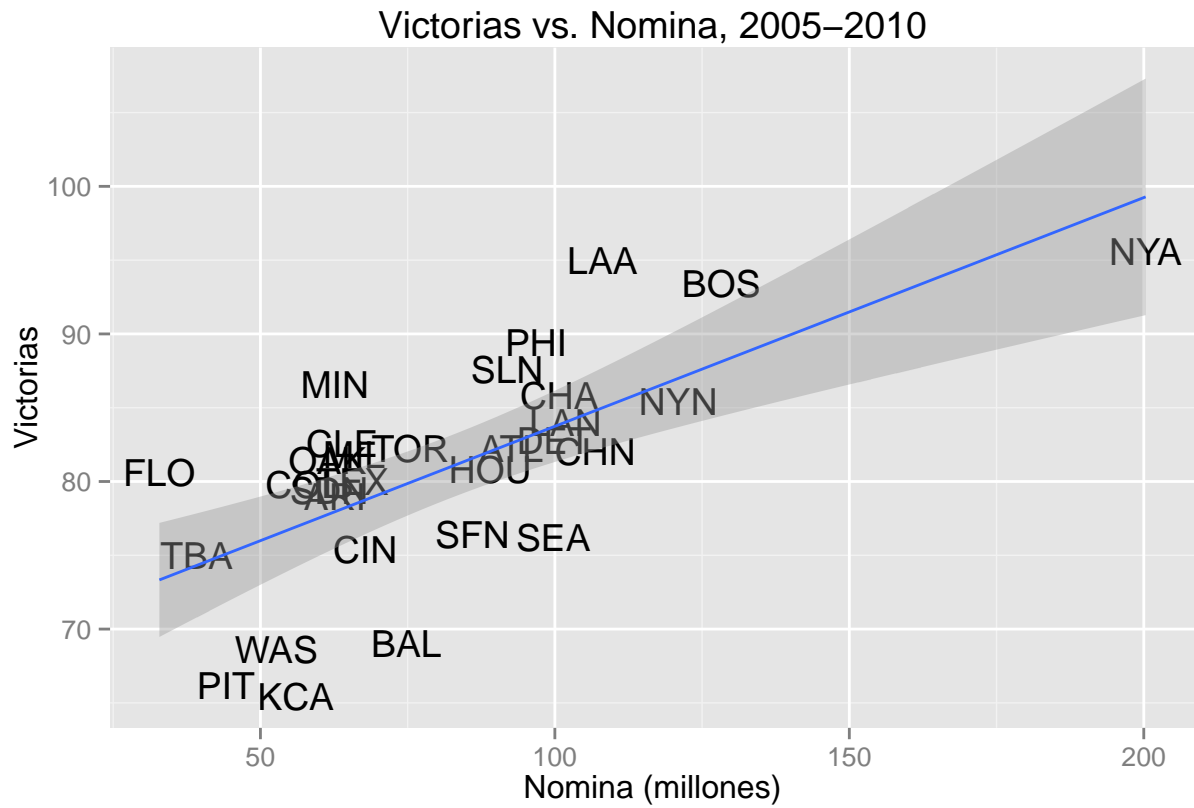
```
make_wins_payroll_graph(1995, 2000)
```



```
make_wins_payroll_graph(2000, 2005)
```



```
make_wins_payroll_graph(2005,2010)
```



```
make_wins_payroll_graph(2010, 2014)
```

