Test Presentation

RMarkdown and Xaringan Package

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Test Xaringan

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Introduction

Introduction

Who I am

Rafael Serrano

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Postdoctoral Researcher (macroeconomics and growth)

Empirical Evidence

Data

- We present the *Star Wars Database* from `dplyr` package
- R chunk codes are shown as well

```
library(dplyr)

data(starwars, package = "dplyr")

summ_tab ← starwars %>%
               filter(species == "Human") %>%
                   group_by(homeworld) %>%
                       summarise(mean_height = mean(height))
```

Data

Tables

- We can use `datatable()` to show nicely formatted tables

```
DT::datatable(summ_tab,
  fillContainer = FALSE,
  options = list(pageLength = 3))
```

Show 3 entries Search:

	homeworld	mean_height
1	Alderaan	176.333333333333
2	Bespin	175
3	Bestine IV	180

Showing 1 to 3 of 16 entries Previous 1 2 3 4 5 6 Next

Regressions

Regress Height on Mass

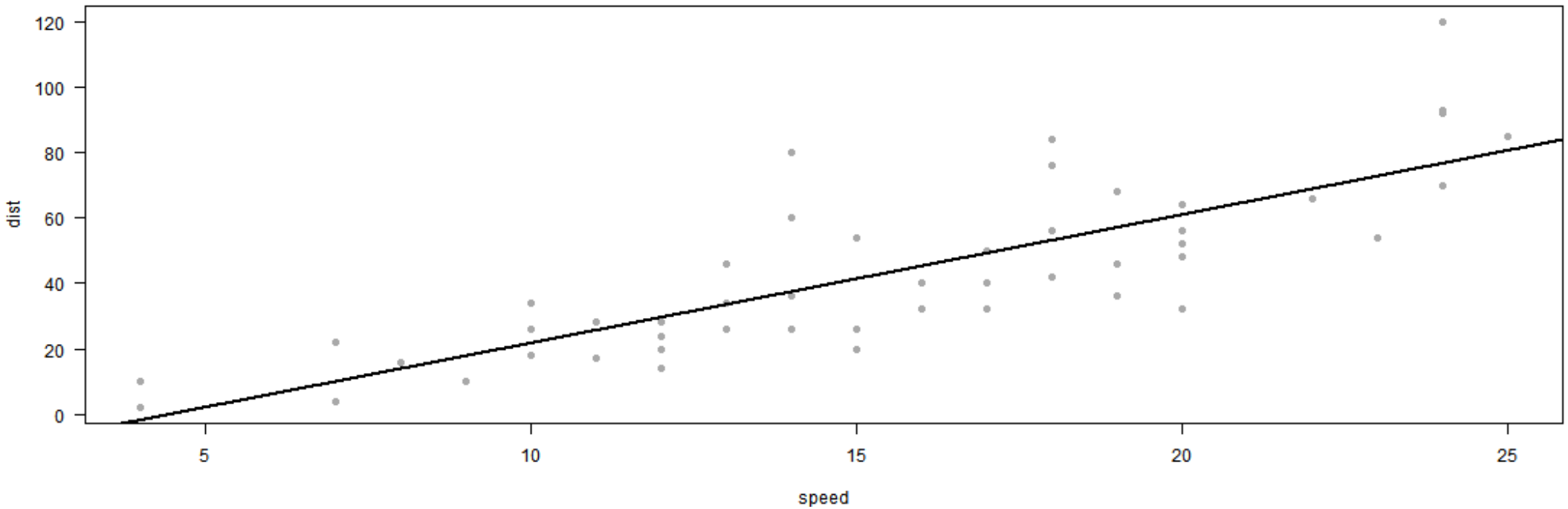
```
bodymass ← lm(height ~ 1 + mass, data = starwars)
tab_coefs ← coef(summary(bodymass))

kable(tab_coefs)
```

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	171.2853609	5.3434010	32.055495	0.0000000
mass	0.0280705	0.0275204	1.019986	0.3120447

Plots

```
fit ← lm(dist ~ 1 + speed, data = cars)
par(mar = c(4, 4, 1, .1))
plot(cars, pch = 19, col = "darkgray", las = 1)
abline(fit, lwd = 2)
```



Model

Main Equation

Writing Mathematical Expressions

1. In double dollar signs `$$`
2. Write in one line, not splitted
3. Test matrices as well

$$w_i L_{di} = \beta_{di} \sum_{j \in \mathcal{N}} \omega_d^{\rho} \left(T_{ji} \kappa_{di} \right)^{1-\sigma} A_{di}^{\sigma-1} P_{dj}^{\sigma-\rho} P_j^{\rho-1} \nu(w_j L_j + b_j E_j)$$

$$\begin{pmatrix} 1 & 2 & 3 \\ \sigma - 1 & \rho & \beta(1-\sigma)\rho \\ \sigma - \rho & 0 & 9 \end{pmatrix}$$

Exporting to PDF

- Use `pagedown::chrome_print()`
- Needs a Chromium browser installed
- Produces a PDF of the slides

```
#pagedown::chrome_print("test_xaringan.html")
```