

Homework assignment title.

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An alternative for big teams - Chick Corea (884422), Baby Yoda (774455), Paco de Lucía (778899), Suzanne Ciani (365411), Alan Turing (312511) and others.

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Abstract

Summary of main findings and conclusions. Optional section.

Keywords: Optional section. quantitative finance; financial risk; financial modeling in R; Optional section.

1 Introduction.

Look how you can add web links in the following sentence. This template is based on the generic OUP template available [here](#). **Now, look how you can add a different font.** This is useful for **file** or **function** names. The original OUP sample tex document, providing more details on preferred formatting for LaTeX documents, is included with the template in the file `ouparticle_sample.tex`.

Here are some sample references. *Reference in brackets as in a list.* Please see ([Hull 2015a](#); [Carhart 1997](#)) for a full discussion of multi-factor models. Bibliography will appear

at the end of the document. *Second, without brackets, separated by a comma.* See [Hull \(2015a\)](#), [Hull \(2015b\)](#), [Cochrane \(2009\)](#) for a formal demonstration of analytical results, and ([Carhart 1997](#); [Cochrane 1996](#)) for some empirical results.

2 Methodology.

An equation with a label for cross-referencing:

$$\int_0^{r_2} F(r, \varphi) dr d\varphi = [\sigma r_2 / (2\mu_0)] \int_0^\infty \exp(-\lambda |z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_i) \lambda d\lambda \quad (1)$$

This equation can be referenced as follows: Eq. [1](#). Now a simpler equation:

$$w = \sum_{i=1}^{20} [1/n^i] \quad (2)$$

This equation can be referenced as Eq. [2](#).

We can also write equations within the main text as here: $w = \sum_{i=1}^{20} [1/n^i]$.

2.1 A subsection.

A numbered list:

- 1) First numbered point
- 2) Second numbered point
 - Subpoint

A bullet list:

- First point
- Second point

3 Results.

3.1 Generate a figure.

```
plot(1:10, main = "Some data", xlab = "Distance (cm)",
     ylab = "Time (hours)")
```

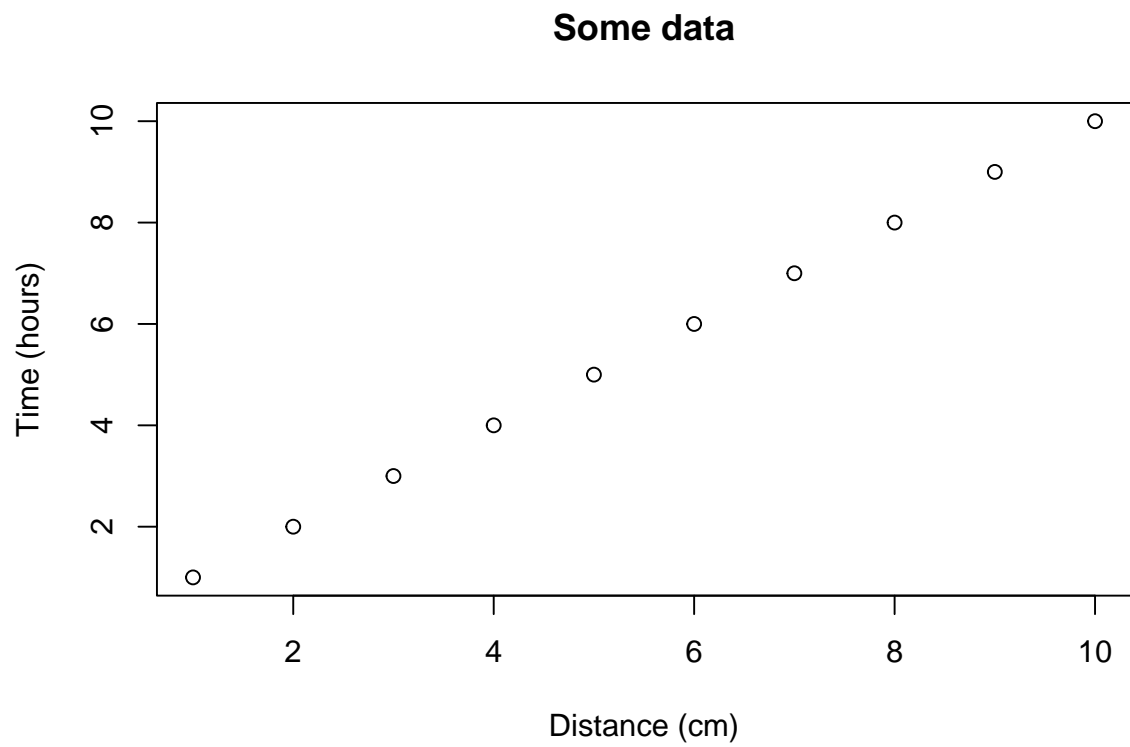


Figure 1: This is the first figure.

You can reference this figure as follows: Fig. 1.

```
plot(1:5, pch = 19, main = "Some data", xlab = "Distance (cm)",  
     ylab = "Time (hours)")
```

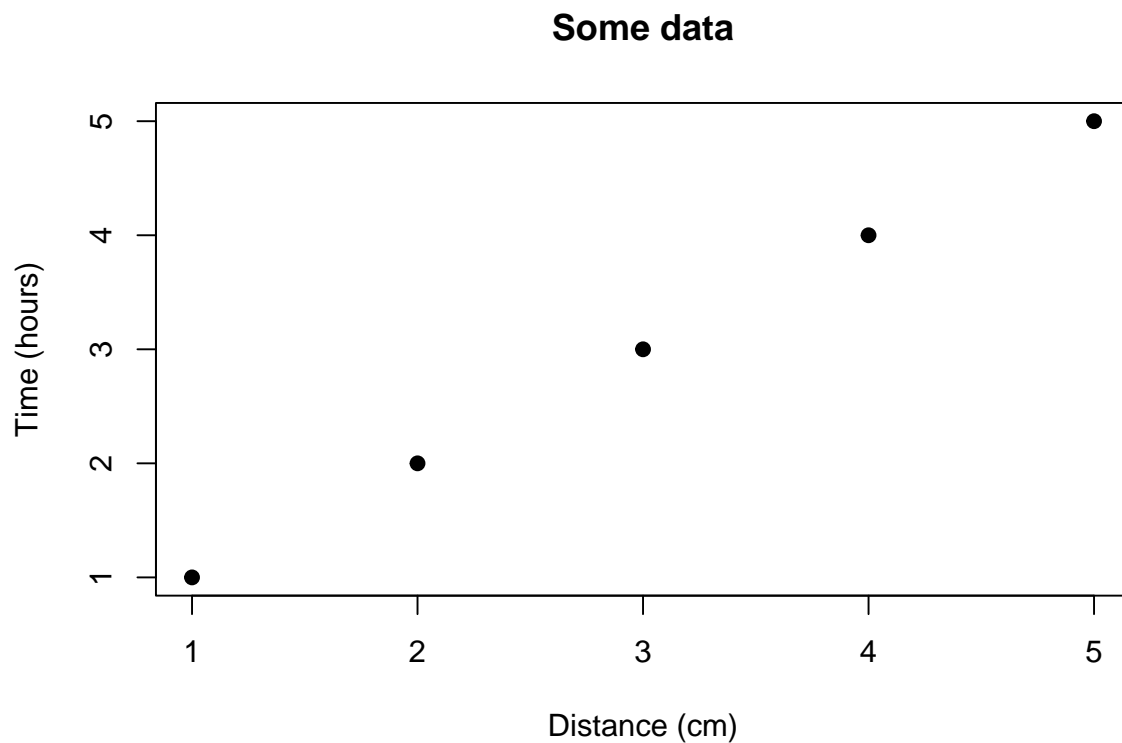


Figure 2: This is the second figure.

Reference to second figure: Fig. [2](#)

3.2 Generate a table using xtable.

```
df = data.frame(ID = 1:3, code = letters[1:3])

# Creates tables that follow OUP guidelines using xtable
library(xtable)
print(xtable(df, caption = "This is the table caption",
             label = "tab:tab1"), comment = FALSE)
```

	ID	code
1	1	a
2	2	b
3	3	c

Table 1: This is the table caption

You can reference this table as follows: Table [1](#).

Table 2: This is the table caption

ID	code
1	a
2	b
3	c

3.3 Generate a table using kable.

```
df = data.frame(ID = 1:3, code = letters[1:3])

# kable can also be used for creating tables
knitr::kable(df, caption = "This is the table caption", format = "latex",
             booktabs = TRUE, label = "tab2")
```

You can reference this table as follows: Table 2.

4 Nombres de los alumnos de PMF (fall 2021).

4.1 Grupo 3pm.

Diana Jacqueline Soto Alcaraz

Juan Pablo Almada Burr

Bernardo Amador Padilla

Christian Contreras Hernández

Melanie Flores García

Luis Fernando Rodríguez Parra

Diego Valdés Contreras

María Fernanda Rendón Muro

Eugenio Murillo Nader

Adriana Beatriz Santos Monterroza

Oscar David Cortés Gutiérrez

Pompilio Rainiero Amador Sandoval

José Gonzalo Morones Intriago

Andrea Newell Jasso

María Julia Romero Rico

Claudia Michelle de los Ríos Arellano

Salvador Adrián Sánchez Macías

Enrique Gallegos Pateiro

César Alejandro Marroquín Garibay
Natalia Azcárraga Kuri
Cecilia Reyes Villarreal
Ricardo Díaz Ceballos Corral
Medardo Chávez Aguilar
Sofía Aitana Salcedo Martínez
Karina Albarrán Herrera
César Jacob Linares Murguía
Edgar Fernández Reynaga
Marianne Obele Coll
Emilio Noriega González
Allan Alvarado Lozano
Lara Hanna Weitgasser

4.2 Grupo 6pm.

Juan Andrés Castro Moreno

Manuel Alejandro Manríquez Quezada
Juan Carlos Bocanegra Rivera
Alejandro Adolfo Pastor Lara
Adalberto Vladimir Palomares Ramos
Diana Angélica Sandoval Ramírez
Luis Daniel Puente Flores
José Ramón Santos Buhl
Raúl Antonio Valdez Lozano
Jesús Oscar López Mendoza
Eduardo Cuesy Saldaña
Héctor Alejandro Faz Zepeda
Adriana Sofía Salcido Berumen
Luis Arturo Payán Quiñones
Daniela Pizano Chávez
David Armando Placencia Aguilar
Marco Francisco Beltrán Soto
Román Muñoz Loza
Oscar Ventura Montaña
Manuel Eduardo Romero Jara
Juan Francisco Marcial Posas
Jorge Andrés Ángeles Luévano
Andrés Amílkar Yáñez Frías

Nicolai Reiners
Félix Muñoz Rodríguez
David Villard Linares
Álvaro Rubio Pina
Eyleen Lizeth López Cueva

5 Conclusion.

You can cross-reference sections and subsections as follows: Section [2](#) and Section [2.1](#).

Note: the last section in the document will be used as the section title for the bibliography.

References.

- Carhart, Mark M. 1997. “On Persistence in Mutual Fund Performance.” *The Journal of Finance* 52 (1): 57–82.
- Cochrane, John H. 1996. “A Cross-Sectional Test of an Investment-Based Asset Pricing Model.” *Journal of Political Economy* 104 (3): 572–621.
- . 2009. *Asset Pricing: Revised Edition*. Princeton university press.
- Hull, John C. 2015a. *Options, Futures, and Other Derivatives*. 9th ed. Prentice Hall.
- . 2015b. *Options, Futures, and Other Derivatives*. 9th ed. Prentice Hall.