

My first replicable Paper

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Abstract

This is an example on how to make a reproducible paper. We are using R from Rstudio, creating an RSweave document. This is a nice start to create a nice paper and get an A+. The next sections will show the steps taken.

1 Introduction

This is my intro to my great paper, I will explain the cool things I can do with my new ‘computational thinking’ powers combined with some Latex. This is my intro to my great paper, I will explain the cool things I can do with my new ‘computational thinking’ powers combined with some Latex. This is my intro to my great paper, I will explain the cool things I can do with my new ‘computational thinking’ powers combined with some Latex. This is my intro to my great paper, I will explain the cool things I can do with my new ‘computational thinking’ powers combined with some Latex.

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2 Exploring Data

Sections may use a label¹. This label is needed for referencing. For example the next section has label *datas*, so you can reference it by writing: As we see in section 2.1.

```
> # collecting
> fileLink="https://github.com/HitomiKariya/MyFirstRepo/raw/master/dataidx.RDS"
> # you need to copy the link from "download" button on the repo
> # right click on the "download" -> "Copy the link"
> # if you just copy the link on the google window, it won't work
>
> MyFile=url(fileLink)
> dataidx=readRDS(MyFile)
>
```

2.1 Exploring Categorical Data

Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work.

```
> tableONI=table(dataidx$ONIpoltical)
> tableONI
```

nd	per	sub	sel	ne
2	8	4	21	41

```
> barplot(tableONI)
```

¹In fact, you can have a label wherever you think a future reference to that content might be needed.

2.2 Exploring Numerical Data

Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work.

```
> summary(dataidx[,c(3,4)])
```

FHF	RWB
Min. :10.00	Min. : 6.38
1st Qu.:25.25	1st Qu.:23.60
Median :49.00	Median :28.72
Mean :47.24	Mean :32.40
3rd Qu.:63.00	3rd Qu.:38.50
Max. :97.00	Max. :84.83
NA's :5	NA's :23

```
> boxplot(dataidx[,c(3,4)])
```

Boxplots were introduced by Tuckey (Tukey, John W (1977). Exploratory Data Analysis. Addison-Wesley.)

3 Looking for Relationships

Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work. Here, I continue doing this nice work, I hope you like it and read it. It has been a very hard work.

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3.1 Numerical and Categorical

```
> boxplot(dataidx$FHF~dataidx$Region)
```

[illegible]

3.2 Numerical and Numerical

[illegible]

```
> plot(dataidx$FHF~dataidx$RWB)
```

The scatter plot is thought to be invented by John Frederick W. Herschel according to this link: <https://qz.com/1235712/the-origins-of-the-scatter-plot-data-visualizations-greatest-invention/>