

# Week 4: Tidying exercise

Daniel González-Suárez

February 19th, 2020

## Contents

Week 4: Tidying our data	1
Loading our data	1
Wide to long format	1

## Week 4: Tidying our data

```
library(knitr)
opts_chunk$set(tidy.opts=list(width.cutoff=100),tidy=TRUE)
```

This code was written for week's 4 exercise. Required libraries were ran first.

```
library(tidyverse)
```

## Loading our data

Data given for this exercise was assigned to MessyData

```
MessyData <- read.csv("D:/UABC/II_Semestre/Datos_R/week4/data/CompDec2011_2015.csv", na.strings = c("mi", "ma", "f", "m"))
view(MessyData)

df <- sapply(MessyData, function(x) sum(is.na(x))) # to check empty values
view(df)
```

## Wide to long format

To tidy our dataframe, we should change it from wide to long format

```
TidyData <- pivot_longer(MessyData, cols = X119.2011:X84.2015, names_to = c("Sites", "Year"), names_sep = "_")
view(TidyData)
```

And that's how we tidy our first dataframe.