



# Analítica basada en árboles de clasificación y regresión

- Analytics based on classification and regression trees

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@lazarusA

mpipks



# Overview

## Aim of the course

To build non-parametric models based on data using decision trees (random forest).

But, we will learn a lot more !

## Structure of the course



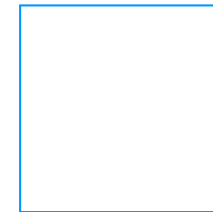
Introduction to R  
and the tidyverse



Shiny apps



Trees and h2o



Dev project

The tidyverse is a collection of R packages designed for data science that share common APIs and an underlying philosophy.

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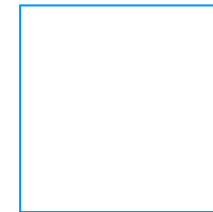
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4 + 4 + 4 + 4 = 16 Lectures

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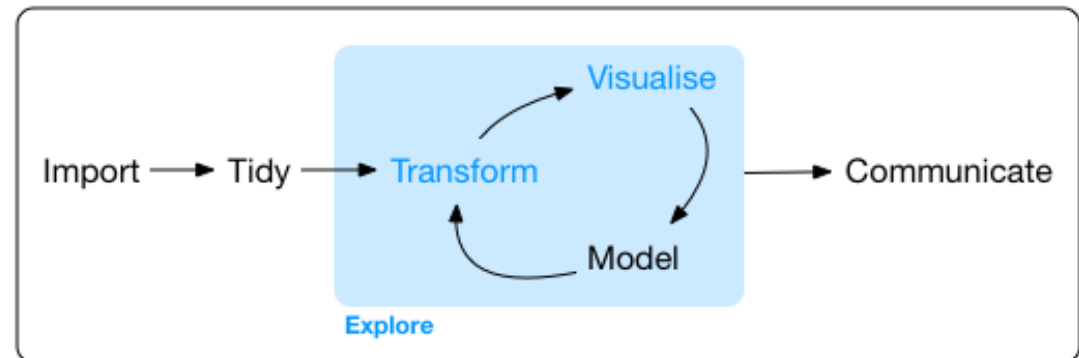
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Program

<https://r4ds.had.co.nz/>

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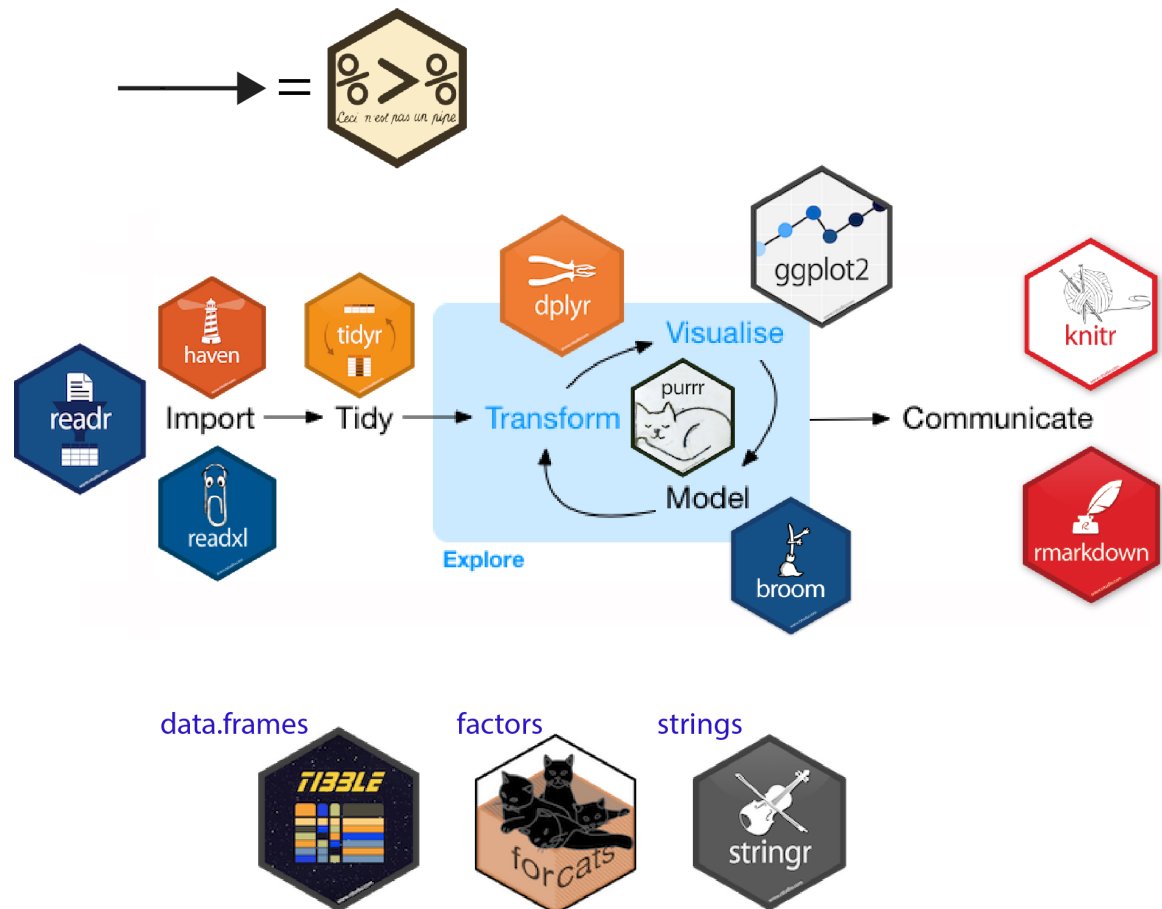
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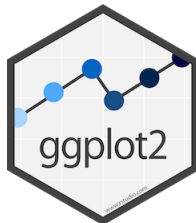
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## Data tidying and transforming: **wrangling**



## Visualisation



“...the grammar tells us that a statistical graphic is a **mapping** from data to **aesthetic** attributes (colour, shape, size) of **geometric** objects (points, lines, bars). The plot may also contain statistical transformations of the data and is drawn on a specific coordinate system” – from *ggplot2* book

**Let's code....**