



#### Project #2

### Assignment #1 – Data Processing with Hadoop MapReduce

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#### **Advanced Infrastructures for Data Science**

Pedro Neves, pedroneves@dei.uc.pt, 2023/2024

**Master in Data Science and Engineering (MDSE) Course** 

# Task #1 – Average Number of Friends by Age

Assignment #1





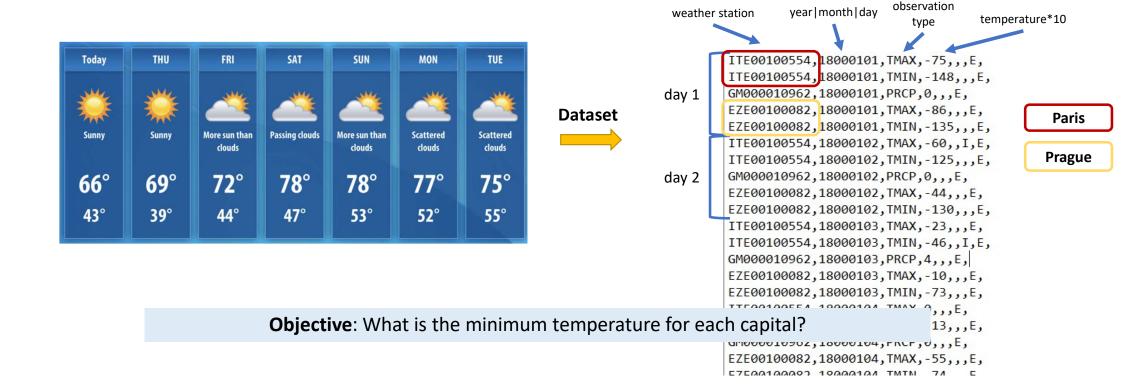
ID	Name	Age	Friends
0	Will	33	385
1	Jean-Luc	33	2
2	Hugh	55	221
3	Deanna	40	465
4	Quark	68	21

**Objective**: What is the average number of friends by age?

## Task #2 – Minimum Temperature Per Capital

Assignment #1

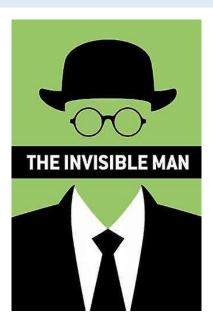
#### Context: Daily weather data for year 1800 dataset



# Task #3 — Sort the Word Frequency in a Book

Assignment #1

**Context:** Book dataset



**Objective**: What is the (sorted) word frequency in the book?

## Task #4 – Sort the Total Amount Spent by Customer

Assignment #1

**Context:** Shopping Store Dataset





Customer_ID	Product_ID	Amount
344	983	45.1
99	574	7.08
344	24	102.2
43	241	37.08
99	230	61.89

**Objective**: What is the (sorted) total amount spent by each customer?

