



### Project #2

## Assignment #1 – Data Processing with Hadoop MapReduce

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

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Master in Data Science and Engineering (MDSE) Course

## Task #1 – Average Number of Friends by Age

Assignment #1





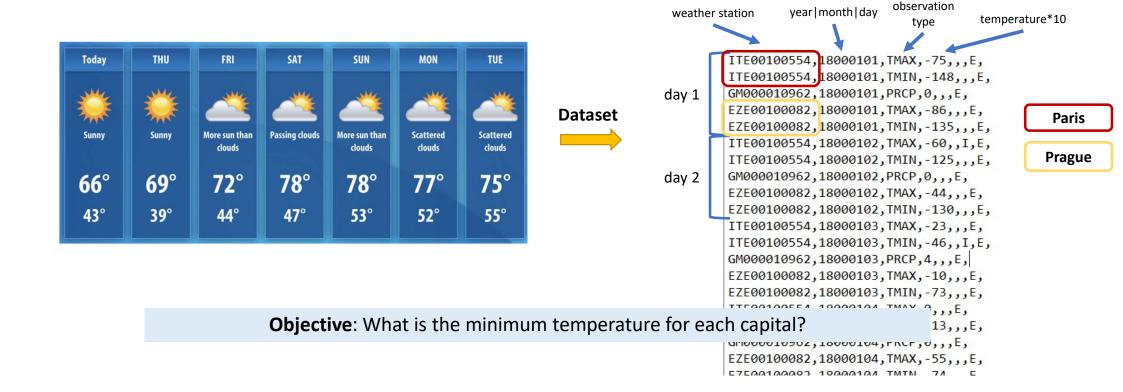
ID	Name	Age	Friends
0	Will	33	385
1	Jean-Luc	33	2
2	Hugh	55	221
3	Deanna	40	465
4	Quark	68	21

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

## Task #2 – Minimum Temperature Per Capital

Assignment #1

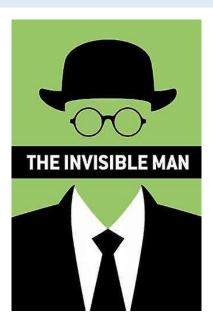
#### **Context:** Daily weather data for year 1800 dataset



## 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?

