SMBUD 2021 - Project work 3

Aman Gabba - 10793117

Andrea Cerasani - 10680486

Giovanni Demasi - 10656704

Pasquale Dazzeo - 10562130

Vlad Marian Cimpeanu - 10606922

POLITECNICO
MILANO 1863

Contents

1 Introduction

1.1 Problem Specification

The aim of this project was to ...

1.2 Hypothesis

The assumptions taken into account are the following:

- ...

2 ... diagram

...

3 Dataset description

3.1 Vaccine summary dataset

The Dataset of the project has been downloaded from The official Italian Government Github repository at the following link : ....

It contains information about administered vaccines and it is made by the following fields:

Field	Data type	Description
index	integer	Record identification code
area	string	Code of the delivery region
ultimo_aggiornamento	datetime	Day of the last update of the total
dosi_consegnate	integer	Total number of vaccine doses delivered by region
dosi_somministrate	integer	Total number of vaccine doses administered by region
percentuale_somministrazione	number	Percentage of administered doses over delivered doses
codice_NUTS1	string	European classification of NUTS territorial units: NUTS level 1
codice_NUTS2	string	European classification of NUTS territorial units: NUTS level 2
codice_regione_ISTAT	integer	ISTAT code of the Region
nome_regione	string	Standard denomination of the area (where necessary bilingual denomination)

3.2   ... dataset

We have also, as optional point of this porject, integrated our analysis with another dataset ...

4 Queries and Commands

In the following chapter all the queries and commands parameters (part of the code to substitute with desired values) will be highlighted with **magenta** bold text.

Some parameters information can be useful for different queries or commands so they are written here to avoid writing them multiple times:

- ...

4.1 Queries

4.1.1 Query 1

The following query...

```
CODE
```

4.1.2 Query 2

The following query...

```
CODE
```

4.1.3 Query 3

The following query...

```
CODE
```

4.1.4 Query 4

The following query...

```
CODE
```

4.1.5 Query 5

The following query...

```
CODE
```

4.1.6 Query 6

The following query...

```
CODE
```

4.1.7 Query 7

The following query...

```
CODE
```

4.1.8 Query 8

The following query...

```
CODE
```

4.2 Commands

4.2.1 Command 1

The following query...

```
CODE
```

4.2.2 Command 2

The following query...

```
CODE
```

5 Dashboard description

The Kibana Dashboard has been made by...

6   User guide

...

7   Conclusion

Some interesting conclusions can be drawn from the development of this project:

...

8   References and Sources

- Elastic Guide: https://www.elastic.co/guide/index.html

- Italian Government repository: https://github.com/italia/covid19-opendata-vaccini