

Information about the final exam in Big Data Analytics

To be prepared for the project work and the exam, you must go through all the first e-learning of Visual Analytics and part of the second.

Please find below the list of the topics:

- [SAS® Visual Analytics 1 for SAS® Viya®: Basics](#)
 - Lesson 1 Getting Started with SAS® Visual Analytics
 - Lesson 2 Preparing Data Using SAS® Data Studio
 - Lesson 3 Analyzing Data Using SAS® Visual Analytics
 - Lesson 4 Designing Reports with SAS® Visual Analytics
 - + Designing Reports- Working with Gauges.pdf
 - + Designing Reports- Working with Other Objects.pdf
- [SAS Visual Analytics 2 for SAS® Viya®: Advanced](#)
 - Lesson 3 Restructuring Data for Forecasting *(exclude paragraph 3.1)*
 - Lesson 4 Performing Network Analysis *(exclude paragraph 4.1)*
 - Lesson 5 Performing Path Analysis
 - Lesson 6 Performing Text Analytics

There will be two different parts for the evaluation:

- First part, **Project Work, (19th of April)** that will include a team work to be finished in one day with a final presentation. The teamwork is based on a re-elaboration of an ugly report, that is not visual appealing, to be transformed in a report that is easy to read. You will be completely independent in the execution. **The project work will attribute up to 4 points to be added to the final mark.**
The groups can be decided by the students and must be made up of a minimum of 2 students up to a maximum of 4 for each group. It is mandatory to send the list of groups and their names before April 19th. On April 19th it will be online but it will not be a lesson. The groups of students will have to carry out the project work and present it at the end (power point is not necessary, they will present it directly from the software)
- Second part, exam (date TBC) : divided in two parts, one theoretical with questions to be answered with pure knowledge (with multiple choice questions, 1 h) and a practical part (with multiple choice and open answer questions, 1h), with action to be performed on the software to answer the questions. **The theoretical questions are not related to the two introductory lessons of the prof. Borra, but they only refer to the use of SAS Visual Analytics.**

Two examples of theoretical questions:

2. 1 - Assuming that there are data values for each city, how many different labels will be displayed when using this data item? *

New Custom Category

Name: Custom Category 1

Based on: Facility City - 7

Group by: Distinct values

Values of Facility City

Filter

☐ San Jose

Value Groups

North

- Fresno
- Oakland
- Sacramento
- San Francisco

South

- Long Beach
- San Diego

+ Click or drag values here to add a value group

Remaining Values:

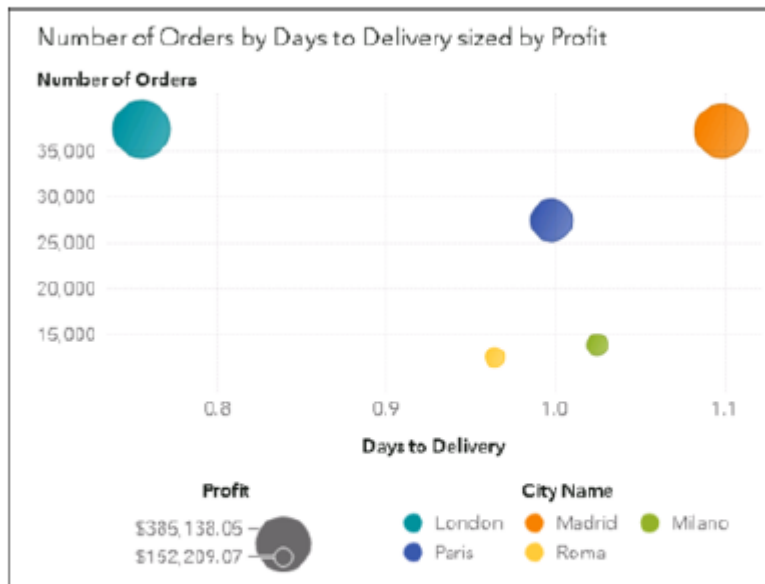
☐ Show as is ☐ Show as missing ☒ Group as: Other

OK Cancel

Contrassegna solo un ovale.

- ☐ 2
- ☐ 3
- ☐ 4
- ☐ None

11. 10 - For this Bubble plot object, which statement about the data item role assignments is true? *



Contrassegna solo un ovale.

- ☐ Number of Orders is assigned to the Lattice rows role.
- ☐ City Name is assigned to the Group role.
- ☐ Days to Delivery is assigned to the Animation role.
- ☐ Number of Orders is assigned to Measures role.

You will receive more information on the activities closer to the date, and please consider that on the 12th of April you will have a class with me that can be useful to clarify the last doubts.

Teams for the project work have not been created yet, but you will receive them closer to the 19th of April or on the same day.

Please consider that the completion of the e-learning, in the indicated parts, is strictly mandatory to succeed in the project work and the exam, so you are kindly invited to start from there.

If you have other questions, you can always reach out to me, Davide, at davide.dandrea@sas.com.