

Data Science Capstone

The objective of the Capstone is to comprehensively evaluate all the topics covered throughout the academy as well as its effective application.

The project will be performed by 4 different groups of students:

Grupo 1 \ Data1	Grupo 2 \ Data2	Grupo 3 \ Data1	Grupo 4 \ Data2
Alonso Mondal	Alexis Gonzalez	Anthony Ulloa	David Gonzalez
Edward Ovaes	Javier Alvarez	Carolina Zamora	Jorge Goñi
Joe Arroyo	Jimmy Torres	Jose Alberto Guillen	Maria Jose Espinoza
Jorge Umana	Jose Vilapriño	Paula Robles	Ruanne Fung
Oswaldo Davila	Xenia Vega		

Each group has been assigned an "open source" data set that can be found in the following Links:

Data1: <https://archive.ics.uci.edu/ml/datasets/Individual+household+electric+power+consumption>

Data2: <https://archive.ics.uci.edu/ml/datasets/Air+Quality>

Each link may contain information and descriptions for each data set such as **Source**, **Attribute Information** or **Relevant Papers** that we strongly recommend to take into consideration before starting the data exploration.

Evaluation Points

The following evaluations points about presentations and material provided will be evaluated by the facilitators:

Data	Description
Bussiness Understanding	The presenter demonstrates business knowledge and provide answer to facilitator questions. The presenter explains clearly the analysis its expectations.
Data Understanding	The presenter demonstrates knowledge of the dataset, its properties, limitations and oportunities. The presenter applies data exploratory analysis.
Data Preparation	Tools used for data preparation. Was the dataset previously cleaned? Was any model for data preparation applied?
Modeling	Description of the model that was used, tools and why they were selected.
Evaluation	Results, findings, quality of the insights, application to business, business recommendations.
	Visualization. Selection and implementation of the most appropriates views that best fit to data type and volume of data.

Presentation	Description
Visual Aids	Visual material. It is clear, concise, visually attractive.
Time Management	Time distribution is effective during presentation.
Confidence of the speaker	The presenter acts with confidence when showing the project.
Dominio del tema	The presenter expresses with clarity and fluency ideas and details related to the topic.
Estructura de la presentacion	The presentation has a logical and ordered sequence which is followed during the showing.
Participacion del equipo	All the members participate actively in the presentation and also make contributions to enrich the topic.
Calidad de presentacion	The presenter keeps the viewer's attention and avoids reading.