[MNA001] BASIC OF MACHINE LEARNING

GENERAL INFORMATION

Studies	MASTER DEGREE IN DATA ANALYSIS, CYBERSECURITY AND CLOUD COMPUTING	**Subject**	Data Analysis
Semester	1	**Course** 1	
Character	COMPULSORY	**Mention / Field of specialisation**	
Plan	2019	**Modality** Adapted Face-to-face	**Language** CASTELLANO
Credits	3	**Hours/week** 0	**Total hours** 34 class hours + 41 non-class hours = **75 total hours**

PROFESSORS

AGUIRRE ORTUZAR, AITOR

REQUIRED PREVIOUS KNOWLEDGE

Subjects	**Knowledge**
STATISTICAL METHODS	Knowledge of the basic foundations of statistical reasoning, in the design of studies, collection of information, analysis of data, and extraction of conclusions.

SKILLS

VERIFICA SKILLS

SPECIFIC

MNCE01 - Knowing, understanding and selecting the fundamentals of machine learning.

CROSS

MNCTR1 - Ability to work in multidisciplinary teams and in a multilingual environment (Basque/Spanish/English) and to communicate, both orally and in writing, knowledge, procedures, results and ideas related to the life cycle of the data, cybersecurity, and development and operations.

BASIC

M_CB9 - To share knowledge, conclusions and their rationale with specialised and lay audiences in a clear, unambiguous manner

CONTENTS

- Introduction

- Algebra and maths review

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- Data analysis process

    - Pandas

    - Statistics review

    - Exploratory data analysis

- Metrics and evaluation methods

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	**Bibliography**
Subject notes	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_lnk.pl?grupo=MASTERDATUANALISIA11&ejecuta=5&
Topic related web quires	
Technical articles	
Moodle Platform	
Labs	
Class presentations	
Computer practical training	