### 

SUBDIRECCIÓN ACADÉMICA

DEPARTAMENTO DE SISTEMAS Y COMPUTACIÓN

ENERO - JUNIO 2020

INGENIERÍA INFORMÁTICA

MATERIA

DATOS MASIVOS

CATEDRÁTICO:

JOSE CHRISTIAN ROMERO HERNANDEZ

UNIT 2

# HOMEWORK 3

ALUMNO

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### **ElemStatLearn**

### It is a set of tools to model and understand complex data sets. It is a recently developed area in statistics and combines parallel developments in computing and, in particular, machine learning. The field encompasses many methods, such as looping and sparse regression, classification and regression trees, and reinforcement and support vector machines. It refers to a vast set of tools for understanding data. These tools can be classified as supervised or unsupervised. In general terms, supervised SL involves the construction of a statistical model to predict or estimate a product based on one or more inputs. Problems of this nature occur in fields as diverse as business, medicine, astrophysics, and public policy. With unsupervised SL, there are inputs, but there is no supervisory output; however, we can learn relationships and structure from such data.