

Statistical Techniques I

EXST7005

Review



Objectives

- Develop an understanding and appreciation of Statistical Inference - **particularly Hypothesis testing concepts.**
- Understand the **role of Statistics** in decision making processes
- Develop procedures of basic statistical tests of Hypothesis and Estimations - develop an understanding of Statistical Methods.
- Develop a framework of Statistical Notation and Terminology.

Topics covered

- What is the Scientific Method?
- **STATISTICS** - the science and art of the development of the most effective methods of **collecting, tabulating** and interpreting quantitative data in such a manner that the **fallibility of the conclusions and estimates may be assessed** by means of **inductive reasoning** based on the mathematics of **probability**.