

- A. Before we step into Supervised Learning, it is imperative to know how Statistical learning evolved to be the base of Supervised learning. In the e-pdf linked, we suggest you to read:
- a. "BRIEF HISTORY OF STATISTICAL LEARNING" (Page No:5,6)
 - b. "WHAT IS STATISTICAL LEARNING" - Page: 15,16

By reading above, you should be able to understand - The objective of machine learning is to capture $f^*(x)$ - the relation between Output & Input variables.

- c. "HOW DO WE ESTIMATE $f^*(x)$ " - Page 21 to 25

The Graph (Page No: 24) on the e-pdf shows, in a nut shell, wonderfully why machine learning is vast and why we use different techniques