

Introduction to Statistical Learning

with applications in Python

Based on "Introduction to Statistical Learning, with applications in R" by Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani

Introduction

Course Overview & Work Environment

course content & goals, datasets, mathematical notation, bayesian basics, technicalities, getting ready

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Some of the figures in this presentation are taken from "An Introduction to Statistical Learning, with applications in R" (Springer, 2013) with permission from the authors: G. James, D. Witten, T. Hastie and R. Tibshirani

“If you fail to prepare you are preparing to fail.”

– Anonymous

We'll discuss the content and goals of the course and introduce the datasets we'll use, some mathematical notation and the work environment.

We (all of us) will need to spend some time to make sure everyone is technically ready to go.

We'd like to get an impression of what you expect, what you know and what you want to learn.

Overview

- Literature
- A first look at some data
- Some history
- Back to basics
- Some notation
- The work environment
- Making sure everything works

This will get us ready to go.