## luforential Statistics 25/01/4 11/02/14 11/02/14 10/02/4 00/24 00/24 00/24 00/24 00/24 00/24 00/24 00/24 - perhapsacione de - [0,3] - which per hills from Volube il procedimento e non il sisultato "Mollumatical Statistics, May Miller Greg " "Becars, and Solissin in Statistical Heary" Ublictions "R" ( Numbe a Python)

## Introduction

Stohistics is a way to better understand a problem and helps making on algorithm

Three ore 3 mans steps in inferential statistics:

- 1) Trous late the problem in terms of a statistical model
- 2) Fit the model with the data
- 3) Translate the output of the madel in terms of the original problem
- 2 key points during there steps:
  - 1) choice of the statistical model thre 15nt just our solution
  - 2) fit the model to the data

Chooning the mo	dul is hard: -	"every madel is wrong	(always just ou approximation)
		•	we never end with the "rig" one
	-	corefully dissum	adds con be useful
esthation: 0	shimote the most	probable outcome by	testing L
lots of romples, cou't mexure all			
AYROTESIS TESTING: use the date collected to relidate on hypotenis			
CONFIDENCE SET: which is the verdoclity of my venets			
Bosed on our	problem we ca	n hove different in	adels:
	Parawetric	Nou-parametric	
Frequentist			
Boyeriou			