What is this course about?

ECON 3640-001

Marcio Santetti Spring 2022

Defining Statistics

Defining Statistics

Statistics embodies the practice of collecting and analyzing data, either quantitative or qualitative.

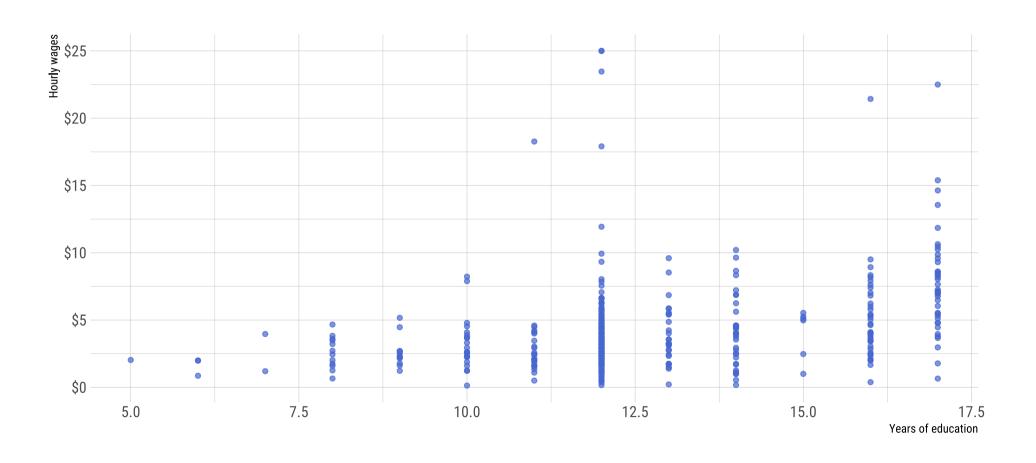
Its purpose is to describe, measure, and infer relevant information from any data one has available.

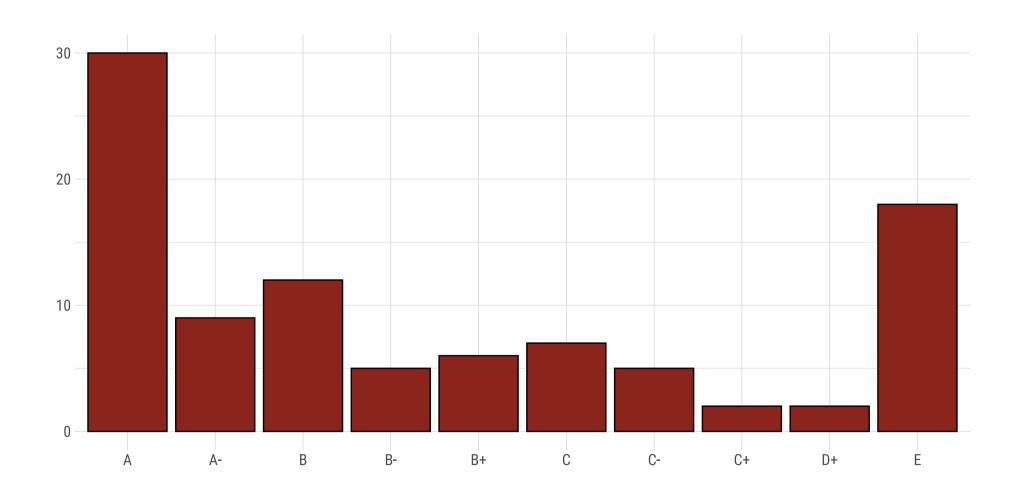
But data are fuzzy.

Some data from Mroz (1987):

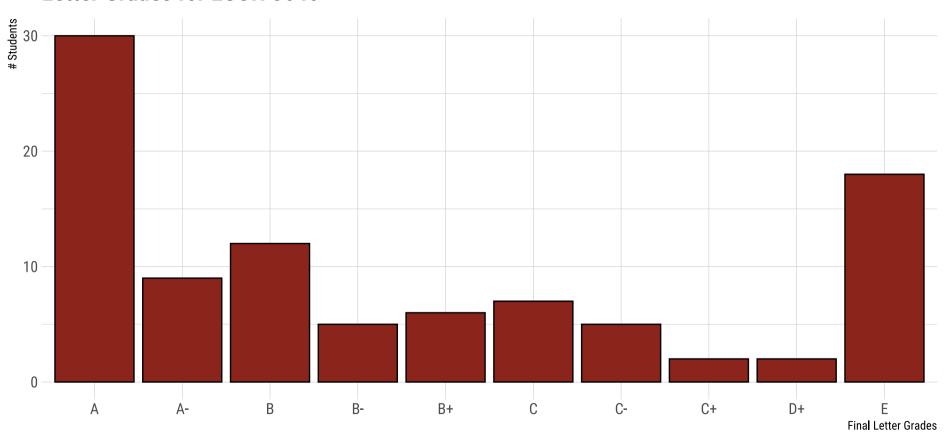
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#>	2	1656	12	1.39	1	5	7	7	8.44	30
#>	3	1980	12	4.55	1	15	12	7	3.58	40
#>	4	456	12	1.10	1	6	7	7	3.54	53
#>	5	1568	14	4.59	1	7	12	14	10	32
#>	6	2032	12	4.74	1	33	14	7	6.71	57
#>	7	1440	16	8.33	1	11	14	7	3.43	37
#>	8	1020	12	7.84	1	35	3	3	2.55	53
#>	9	1458	12	2.13	1	24	7	7	4.22	52
#>	10	1600	12	4.69	1	21	7	7	5.71	43
#>	11	1969	12	4.06	1	15	12	3	9.80	34
#>	12	1960	11	4.59	1	14	14	7	8	47
#>	13	240	12	2.08	1	0	16	16	5.30	33
#>	14	997	12	2.27	1	14	10	10	4.34	46
#>	15	1848	10	3.68	1	6	7	7	10.9	45

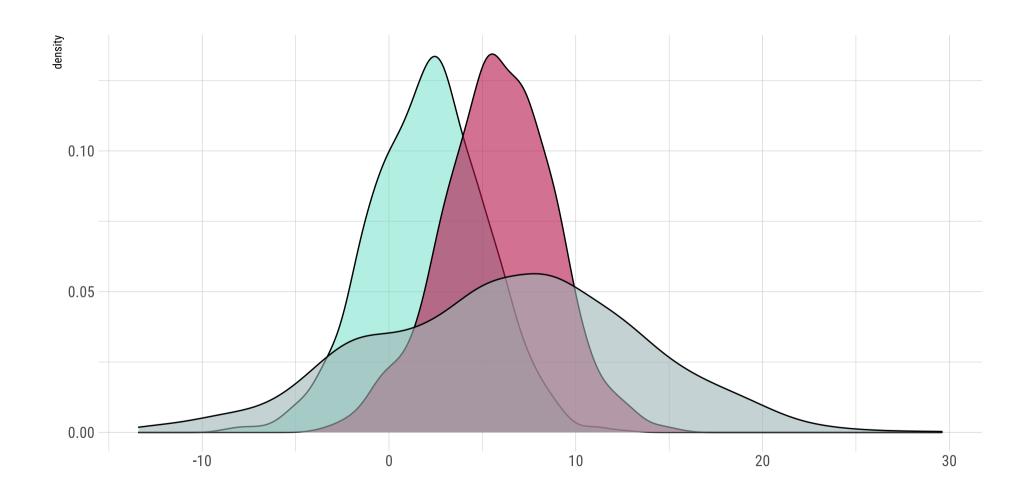
Some data from Mroz (1987):





Letter Grades for ECON 3640





Some practical tips

Is this class hard?

- What does an Economist always have as a **standard answer**?
 - It depends!

- Learning Statistics is quite a journey
 - But well worth it!
 - Will not be exhausted with this course
 - Here, a nicer challenge (theory and practice)
 - The instructor is here to help you

Is this class hard?

- In summary:
 - Take this class seriously
 - Come to class in time and with an open mind
 - Ask questions
 - Do the assignments
 - Exams will reflect what assignments (esp. Problem Sets) have asked you
- About R
 - It may take some time to feel comfortable with it
 - But after a few weeks, it will become a good friend
 - Feed it well and it will be fine!

A friend's advice

- Create a **folder** in your computer for this course.
 - Please.

- We will use **hundreds** of different files throughout the semester.
 - **Organization** is key!
 - Even better: create folders for **each week**. It will make your life easier.

Next time: Descriptive Statistics