



WELCOME



Basic Information Course



Class name & course code

Matemáticas III

Econometría I

Álgebra Lineal y
modelos
económicos

Econometría II



Description

This course focuses on **designing, estimating** and **interpreting** results from econometric models based on macroeconomics and microeconomics



Prerequisites

- Intermediate **Probs & Statistics**
- Intro to **Econometrics**
- **English (B1-B2)**
- Basic **Econometric Software** Knowledge (stata, e-views)
- Desired **programming skills** (R, Python...)



Benjamín García

Tenured Lecturer

PhD in Economics from UNAM
and Master of Science from
Faculty of Engineering,
University of London.

Studies in Environmental
Technology and Energy
Economics and Development
from the Imperial College of
Science and University of
Surrey.



Humberto Acevedo

Associate professor

Bachelor of Economics, and
Major in Applied Econometrics,
UNAM

Working as a Data analyst with
more than 2 years of
experience.

Currently studying for a master's
degree



Emilio Sandoval

Collaborator

Currently studying bachelor of
economics, UNAM

Working as a Data analyst
coding Machine Learning and
Deep Learning models.

Material we need

01

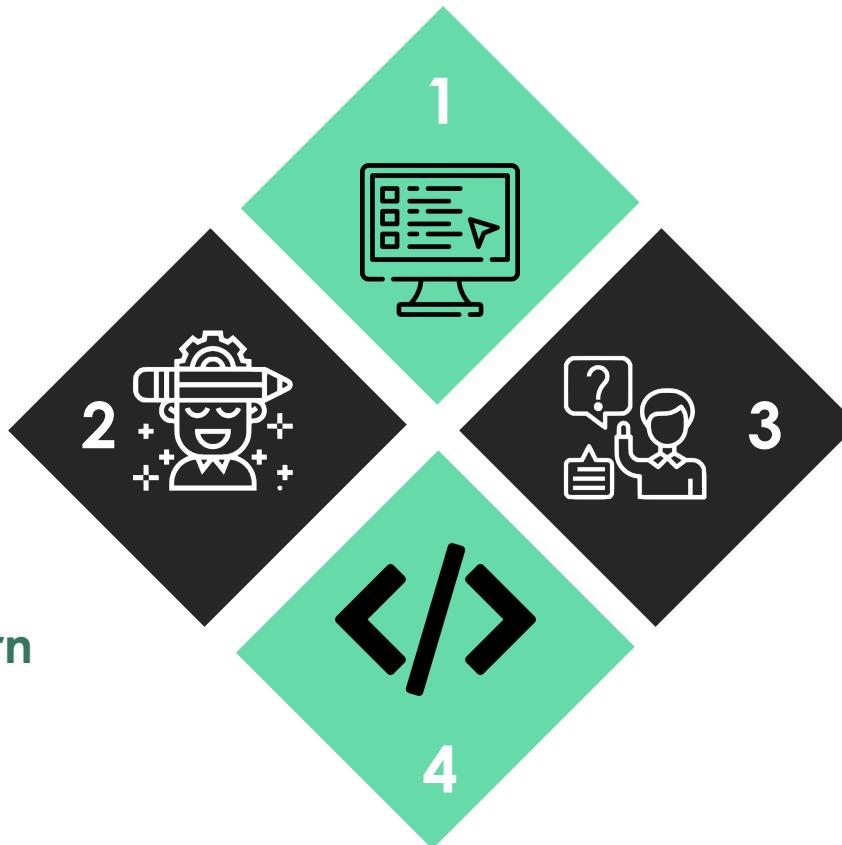
Computer

In order to **use software**
(Stata, Google Colab)

02

Full of enthusiasm to learn

We will provide, you just
have to worry about of
paying attention



03

Willingness to ask

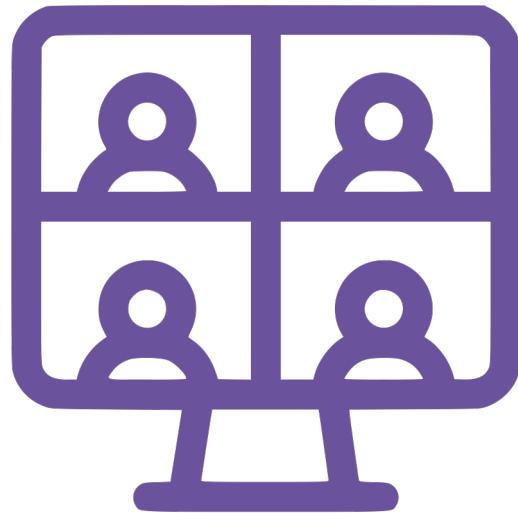
Think about it, if you ask
you don't lose anything
but we all gain!

04

Not afraid to code

Don't worry, we cover
you as long as you show
interest

Class calendar



Face-to-face classes
every **two weeks***

Online rest of the time

31
sessions

2
exam days

* Note: presence-based classes will start on Feb 28th

Grading



Note: we do not take into account attendance

Own Policies and School Policies

Deeply important to consider



Language

Class materials (i.e. pptx, Google Colab) are given in english.

Homeworks can be written in either spanish or english

Attendance

Fifteen minutes of tolerance in both face-to-face and online sessions.

Please, pay attention every time you are requested online

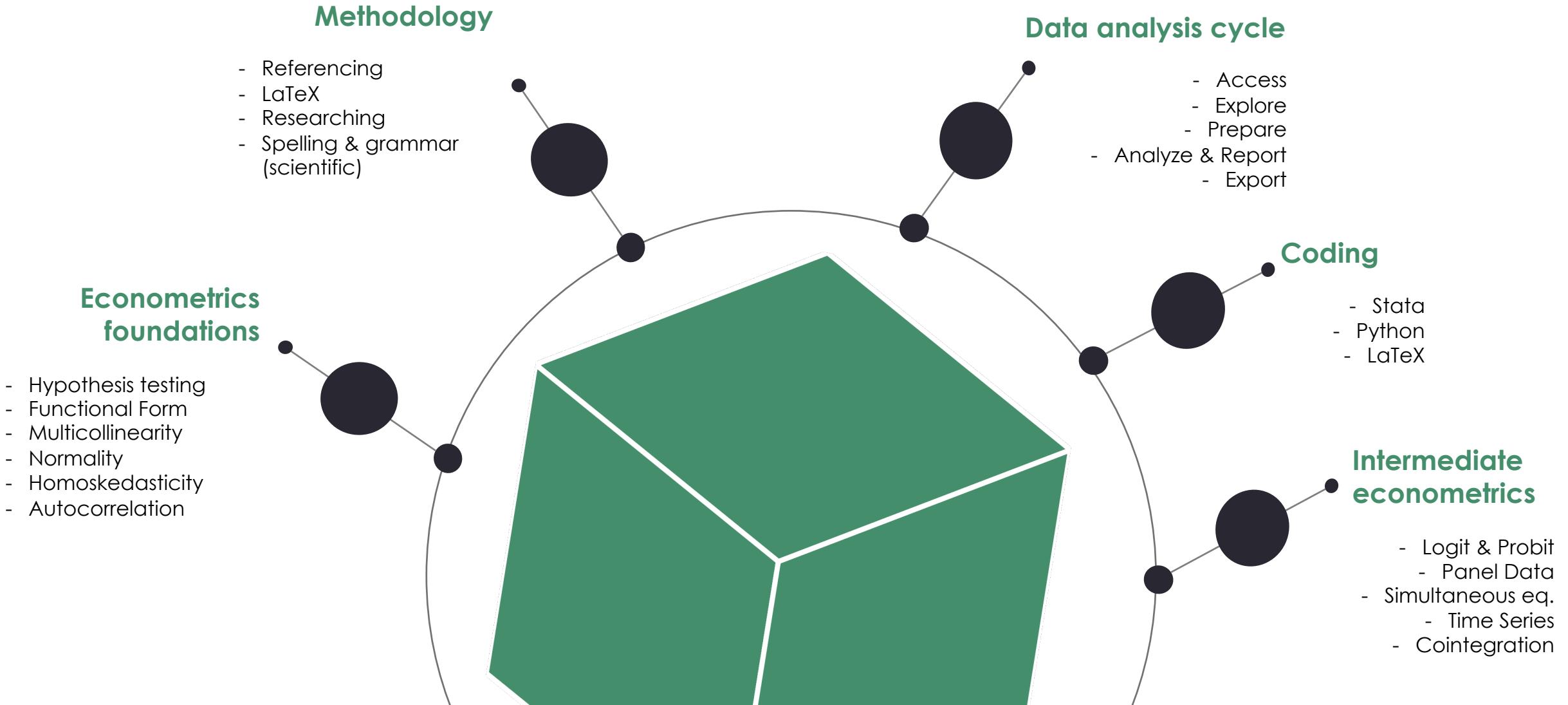
Penalty

You can send your practices even when the deadline has passed, but with no opportunity to get the highest grade

Ethics & plagiarism

We are all grown-ups and accountable for our actions, so please, do not make us to ban you from the class

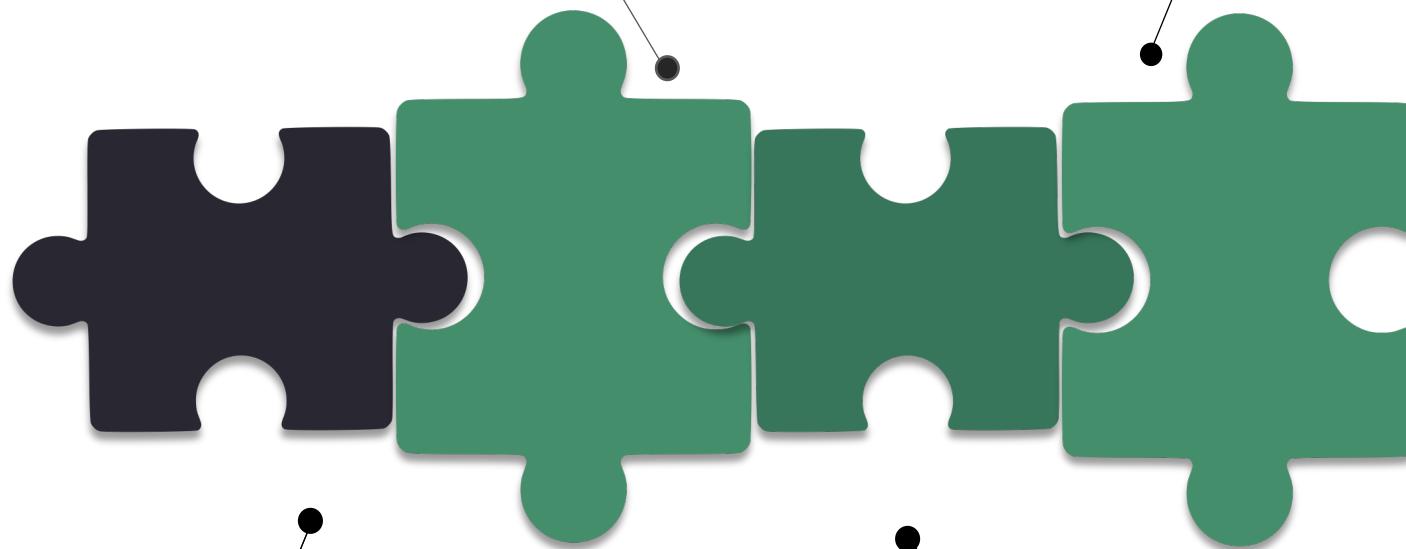
Course Goals



Academic Integrity and what we expect

Self-taught

Classes are better when they are complemented with our own time.



Independence

Do not wait to be given every single thing. We are here for leading you, but not to make for you.

No doubts at all

Feel free to ask for help. Classes are not made for feeling stress but to learn in the best possible way.

Responsability

Even when we adapt material for each group independently, we expect you to take full responsibility to keep track of your studies.

Stats

TypeForm
submissions = 20

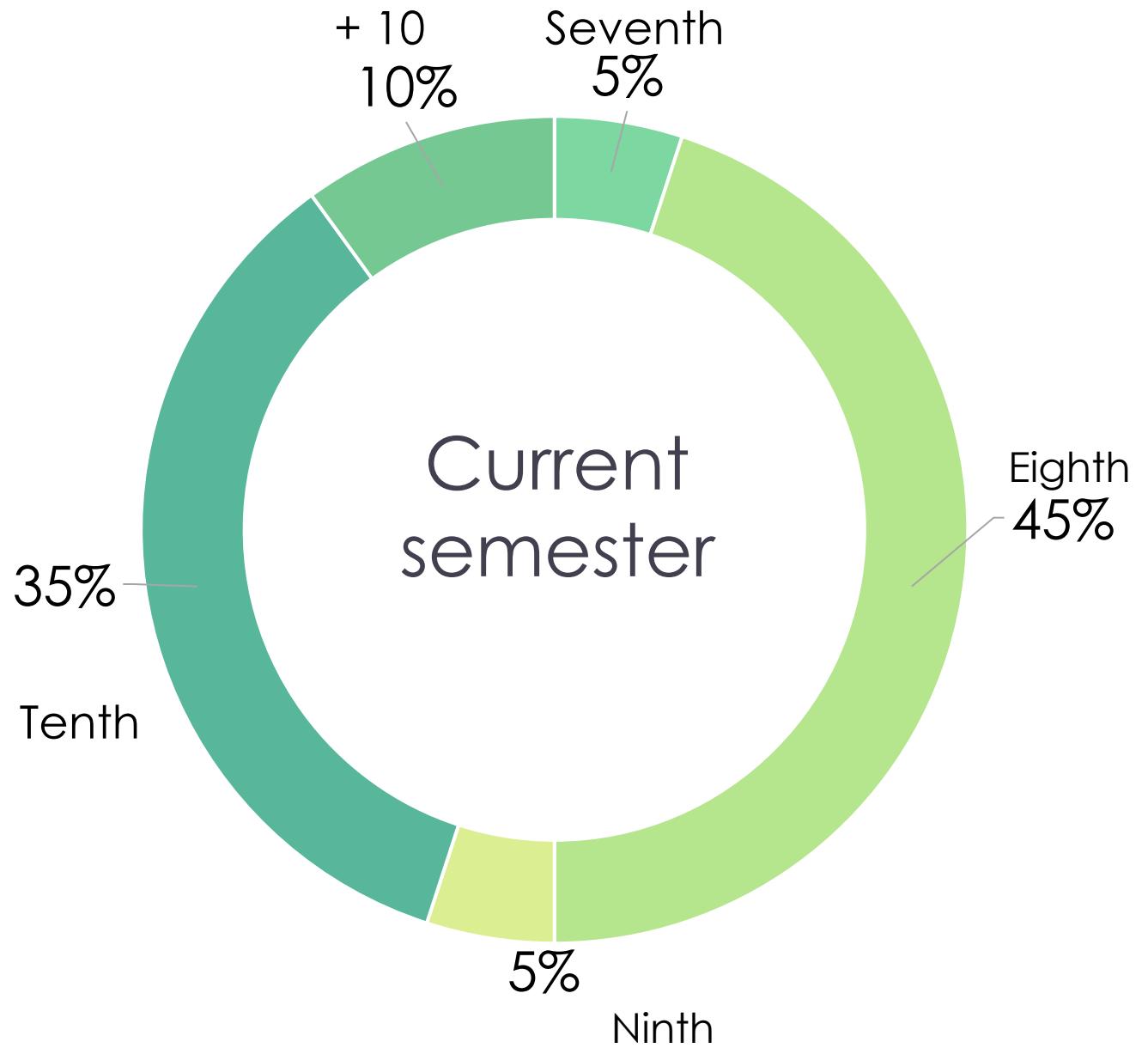
Completion
rate = 83.3%



23

Average age

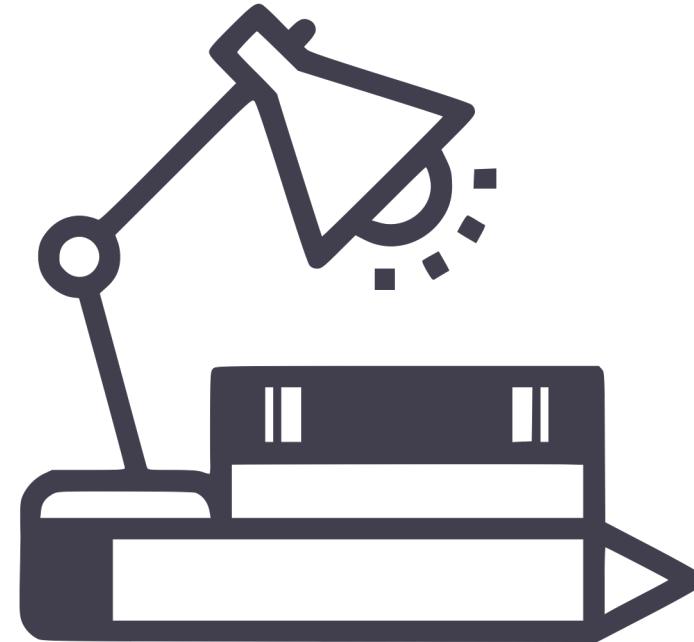
Stats



Stats



30%
Currently working



70%
Do not work



100%
First time
taking this
course

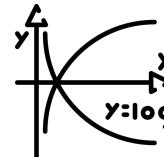
Stats

Top 5 previous quant classes

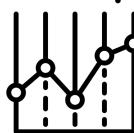
% of class (independently)



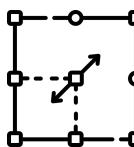
Probabilidad y estadística **80%**



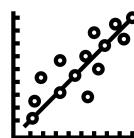
Matemáticas III **25%**



Programación lineal **20%**

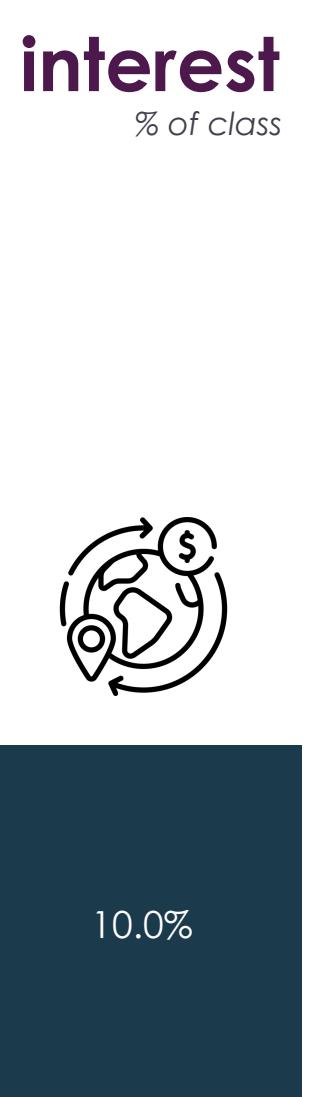
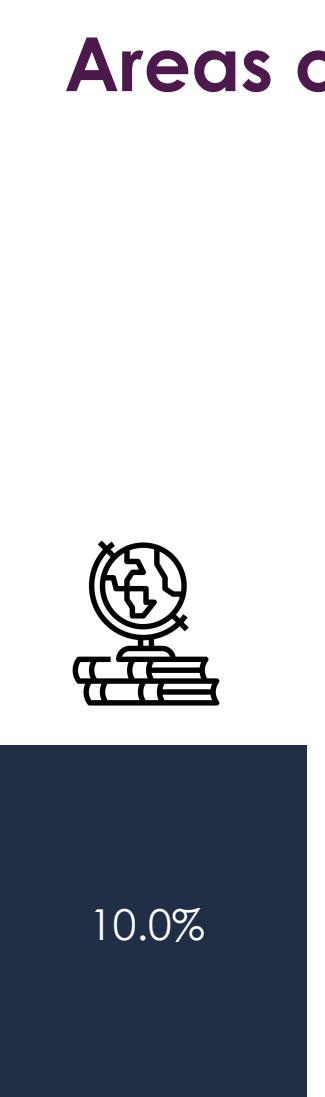
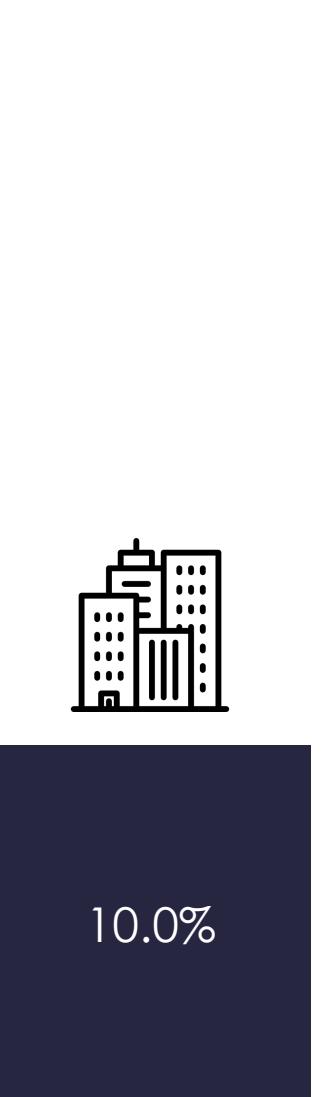
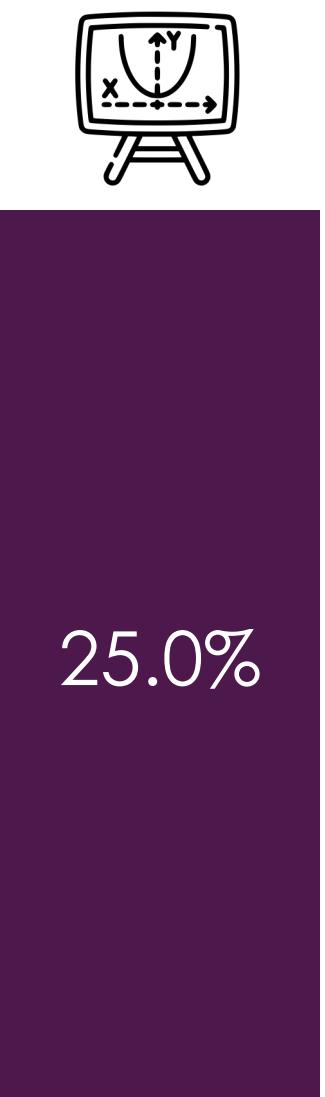
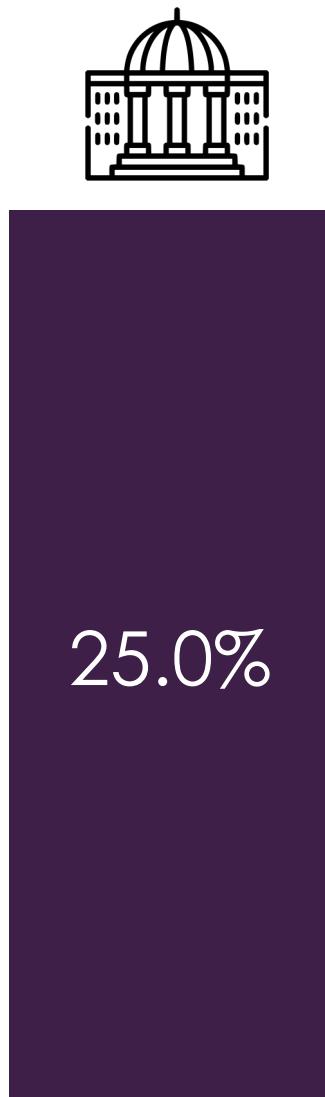


Álgebra lineal **20%**



Econometría II **10%**

Stats

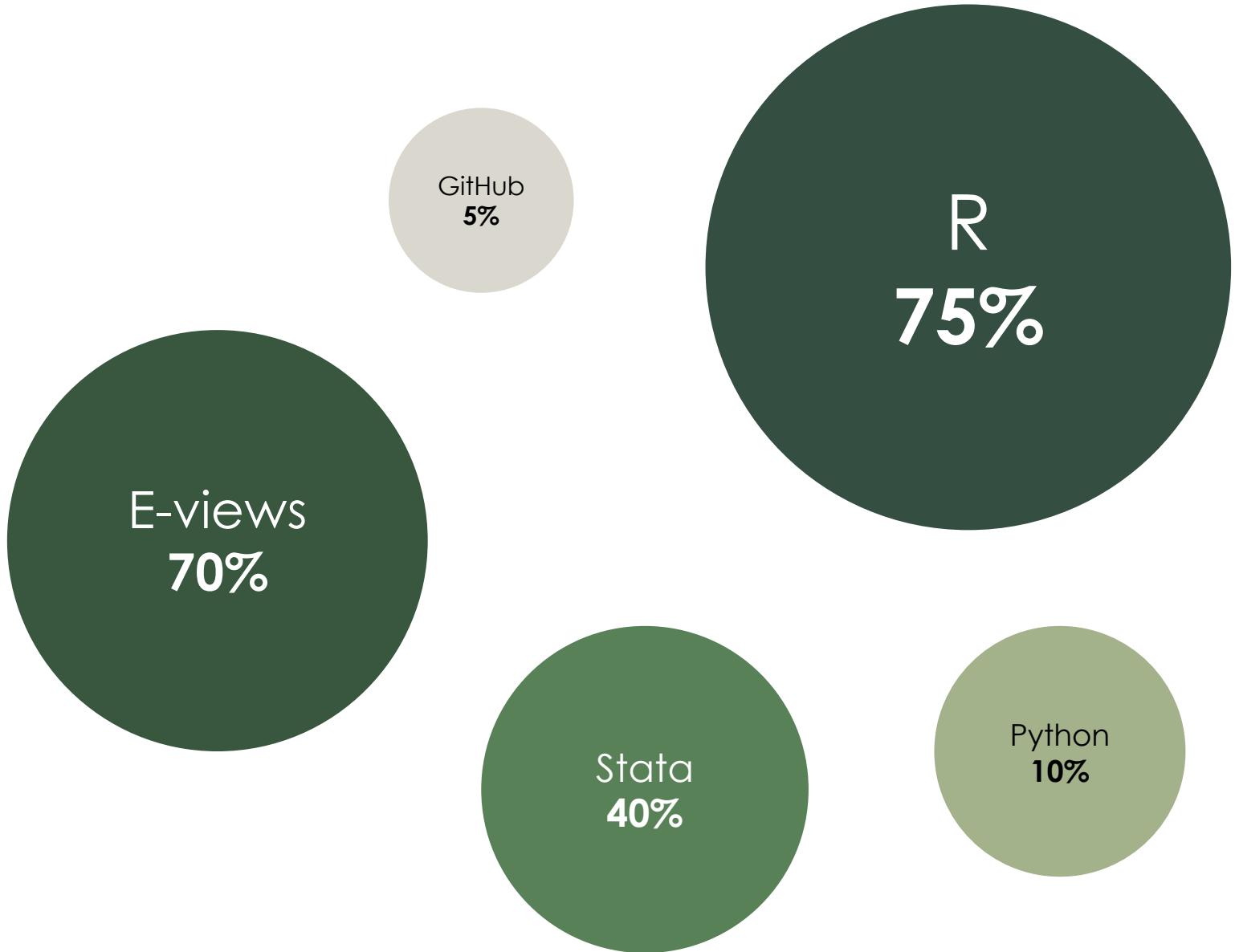


Areas of interest
% of class

Software

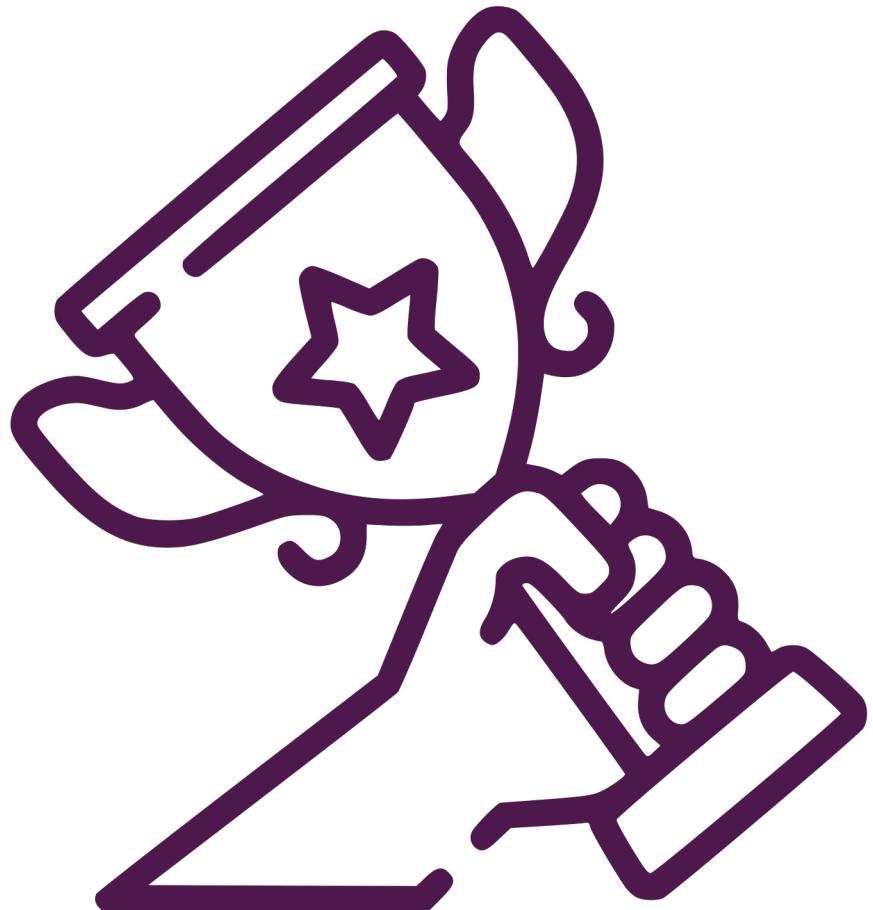
% of class (*independently*)

Stats



Econometrics Foundations

% of class (independently)



**Simple Linear
Regression**
(94.7%)

**Hypothesis
testing**
(89.5%)

Multicollinearity
(84.2%)

Autocorrelation
(78.9%)

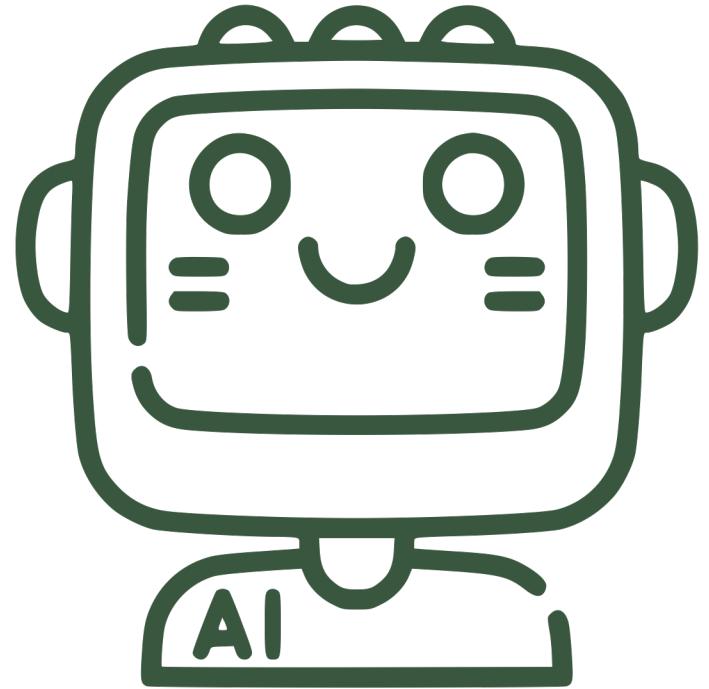
Homoskedasticity
(73.7%)

Normality
(73.7%)

**Multiple Linear
Regression**
(68.4%)

Stats

% of class



Yes
(95%)

AI?

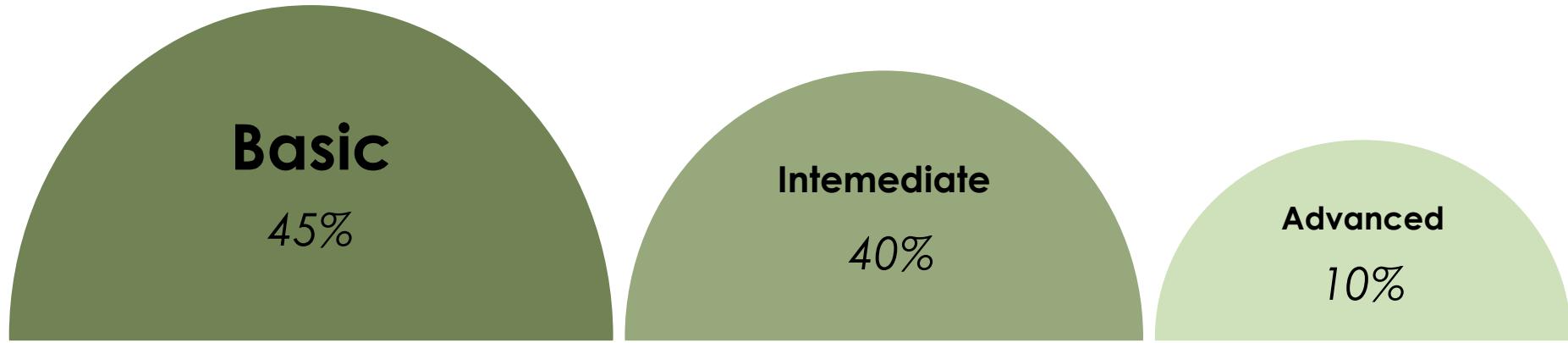


No
(5%)

Stats

% of class

English



Zero knowledge 5%

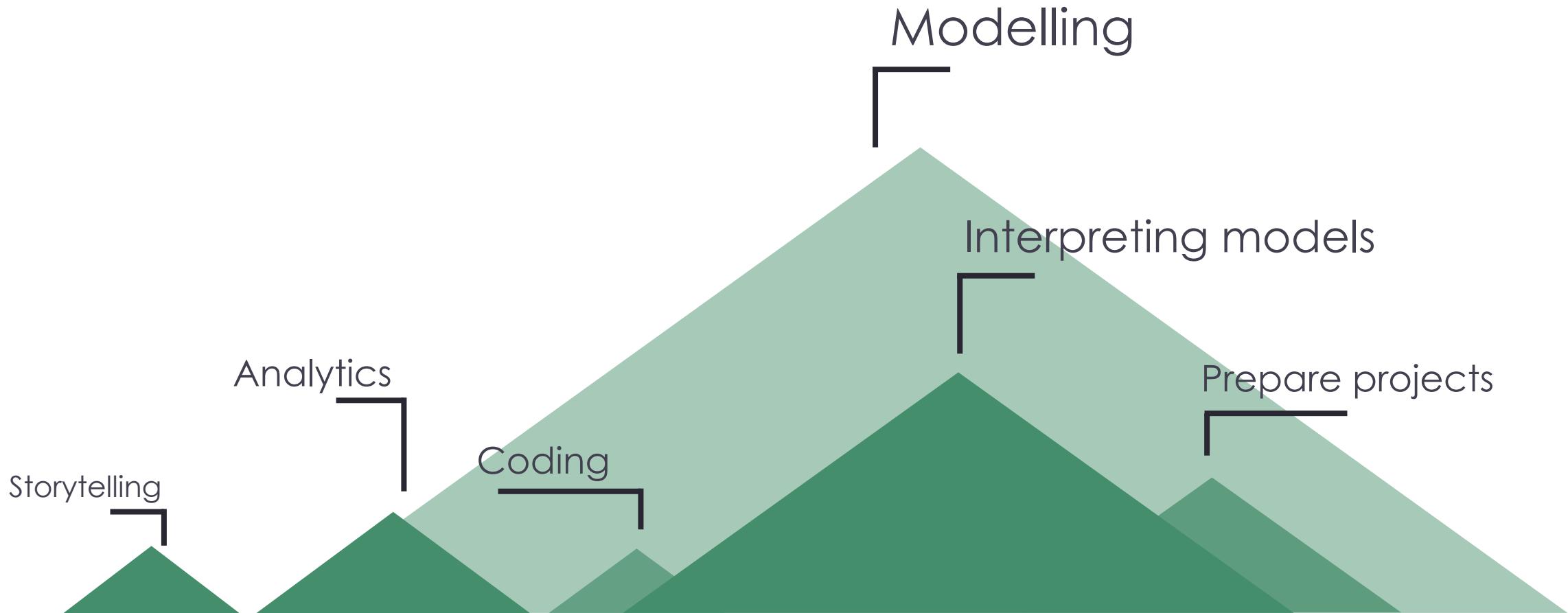
**Currently in english
classes** 9 students

Now tell us about your expectative, desires and opinions



Future Skills

What you are going to develop by taking this course



Please, visit the whimsical we prepare for the class:

[Link](#)

*It will soon be updated with more references and class dates





Also, visit our GitHub
Repository with scripts
and PPTX slides

[Link](#)

THANK YOU

Do you have any question?

Do not hesitate to ask!



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