



PHOENIX
SPACE



 **LUMO**
ASSOCIAZIONE

IMPACT REPORT

Phoenix Space, Associazione Lumo,
Associazione Franco Verga
Python Pioneers
May – December 2023

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PARTNER AND COURSE INFORMATION

The Python Pioneers course is one of the professional training components provided in the wider Work4All program. It was designed by Phoenix Space and delivered by Associazione Lumo and Associazione Franco Verga in Milan, Italy between May and November, 2023.

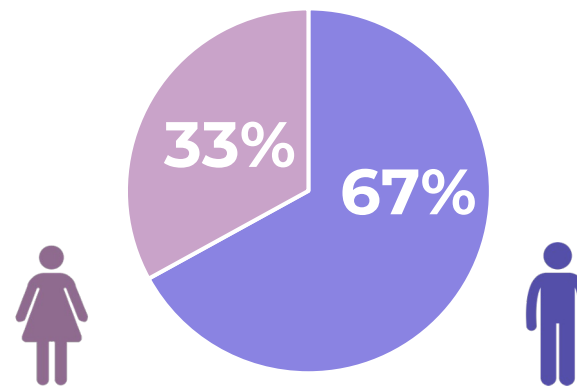
The Work4All program facilitates the entry/re-entry into the labor market for migrants/immigrants in Italy through vocational and professional training programs.

Student demographics

12
students

100% are
refugees and
migrants
and/or from
disadvantaged
communities

Gender Distribution



Average English Proficiency

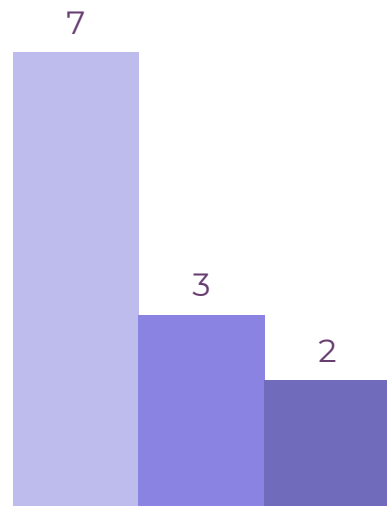
B2
Intermediate

Average Italian Proficiency

A2
Beginner

Students' Age Ranges

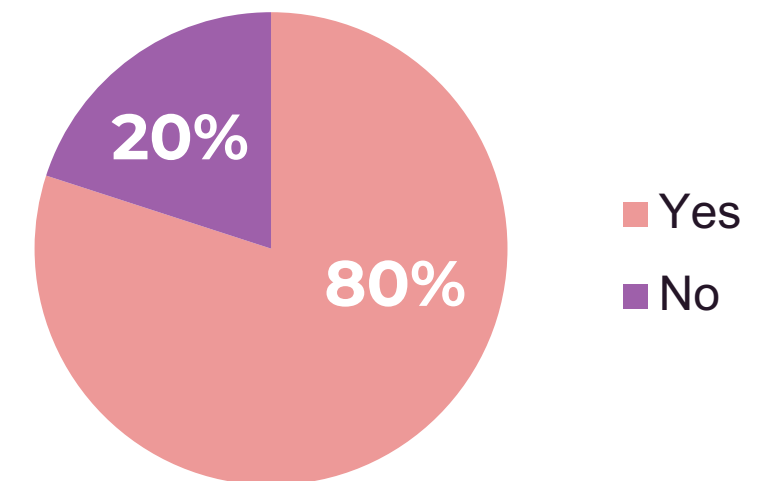
20-29 30-39 40-49



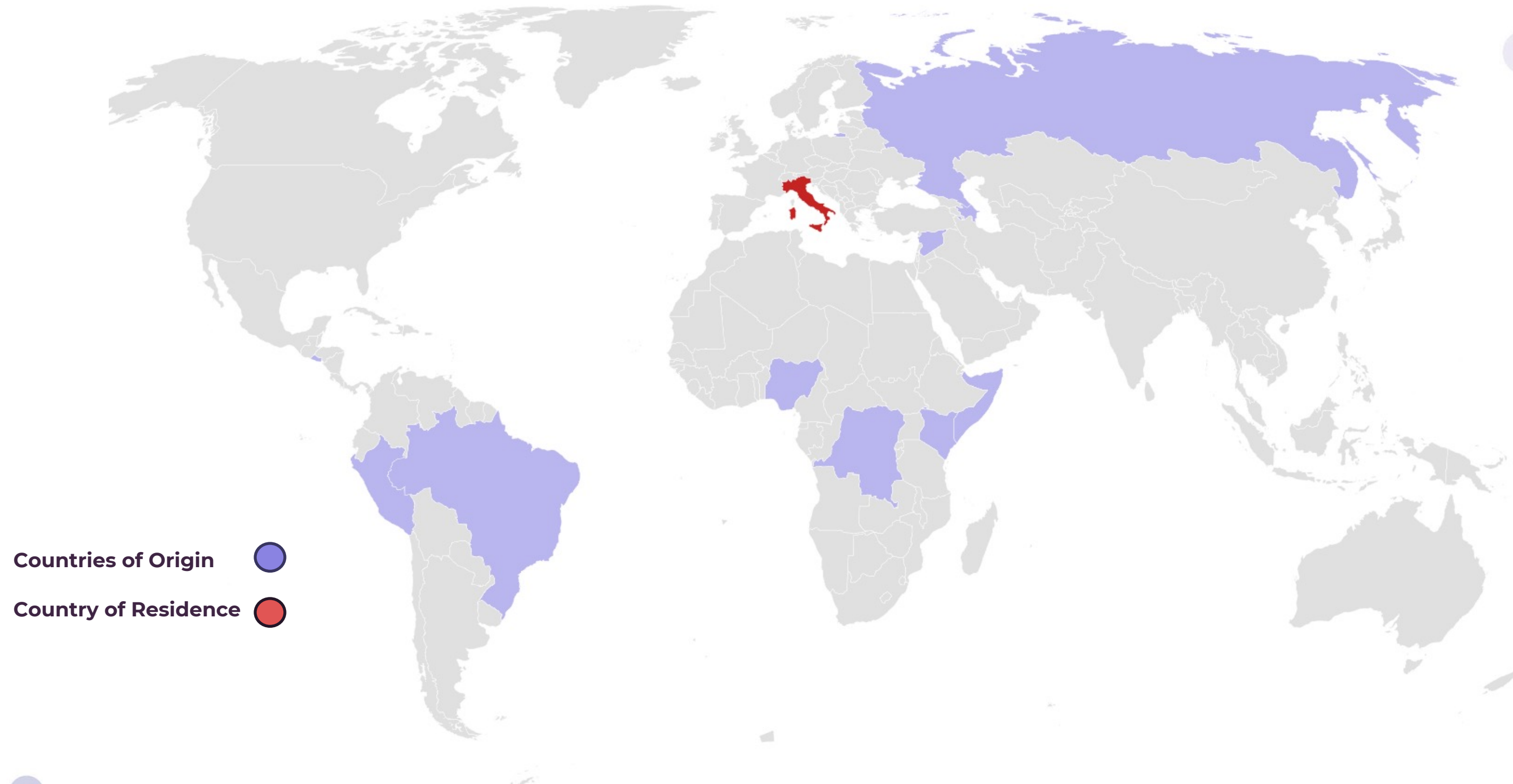
Average Age

32.7

Have you attended university?

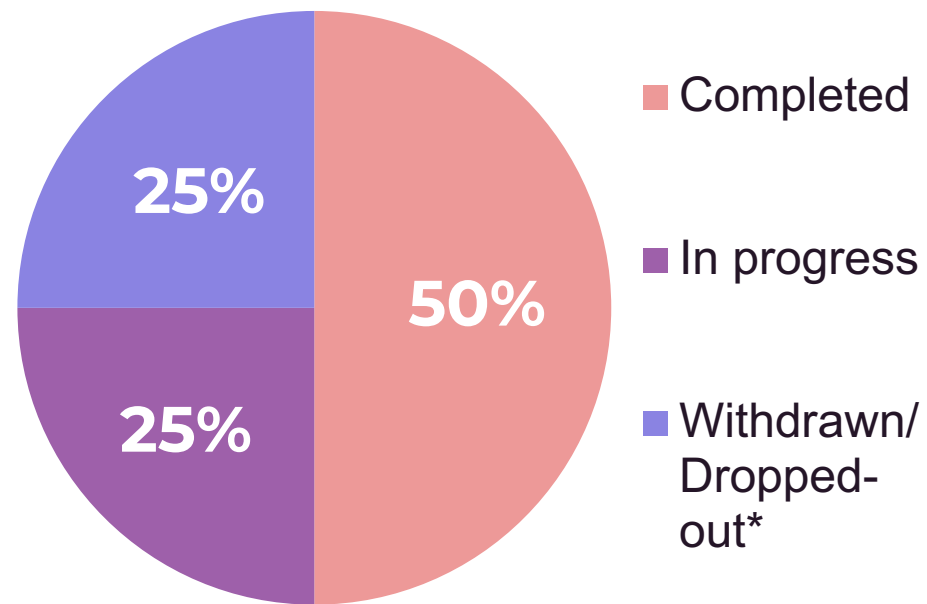


A multi-national cohort from 12 countries

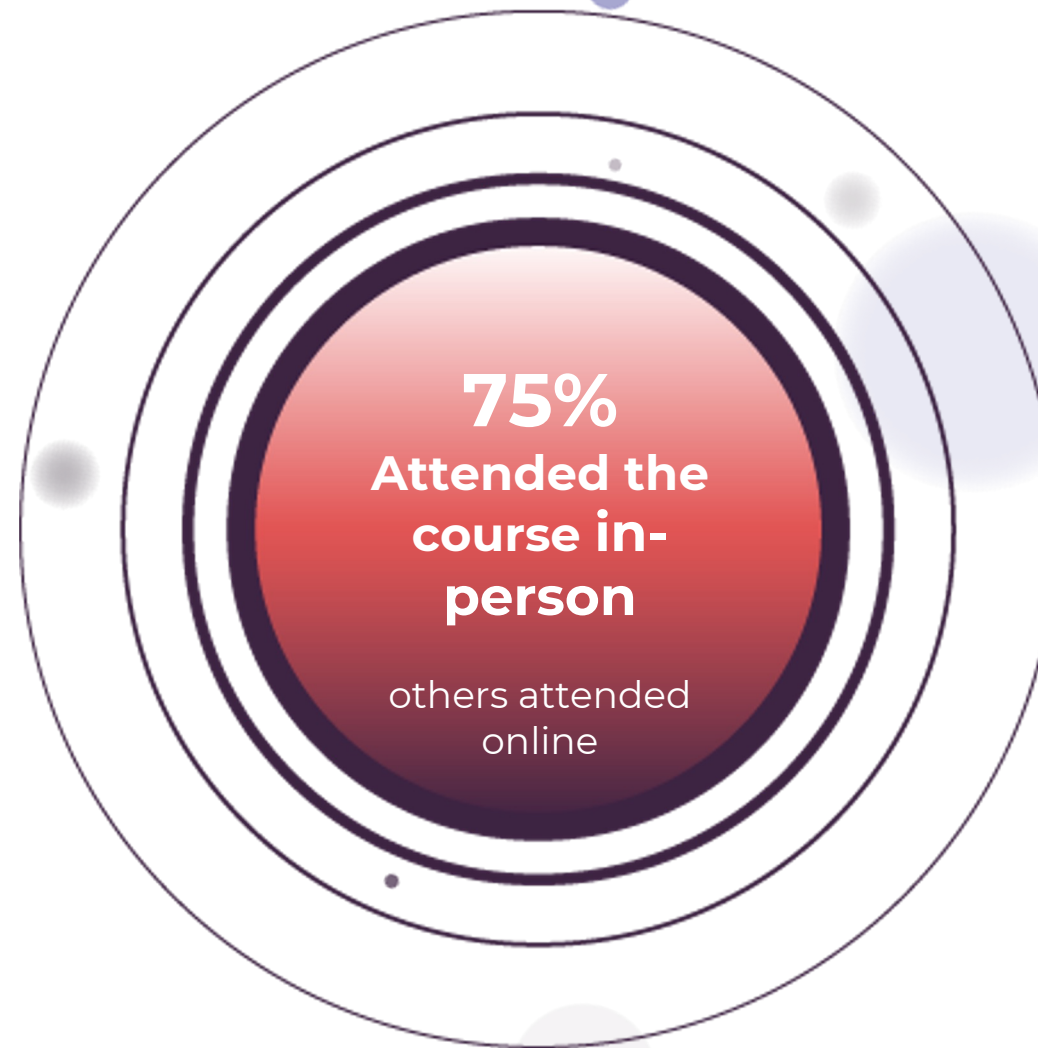
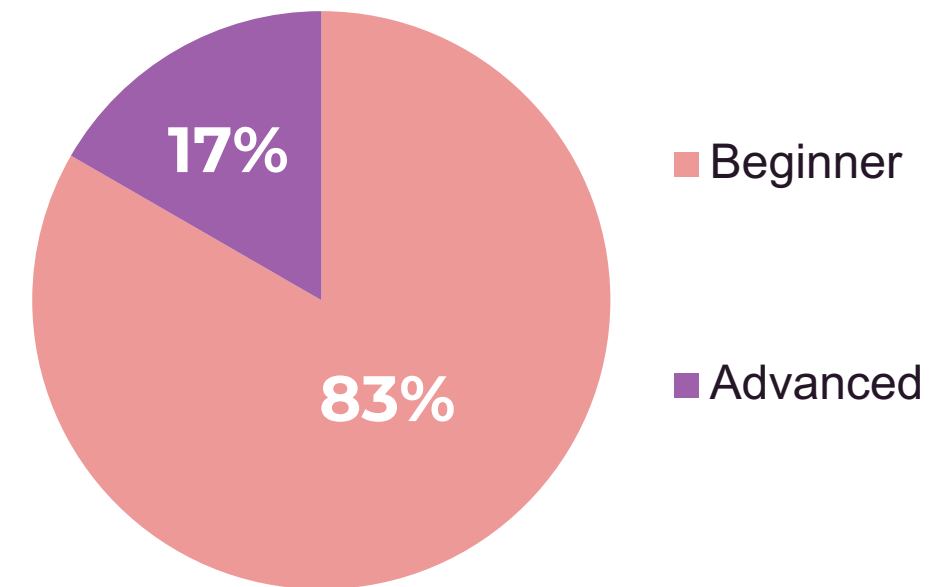


Course completion data

Completion rate



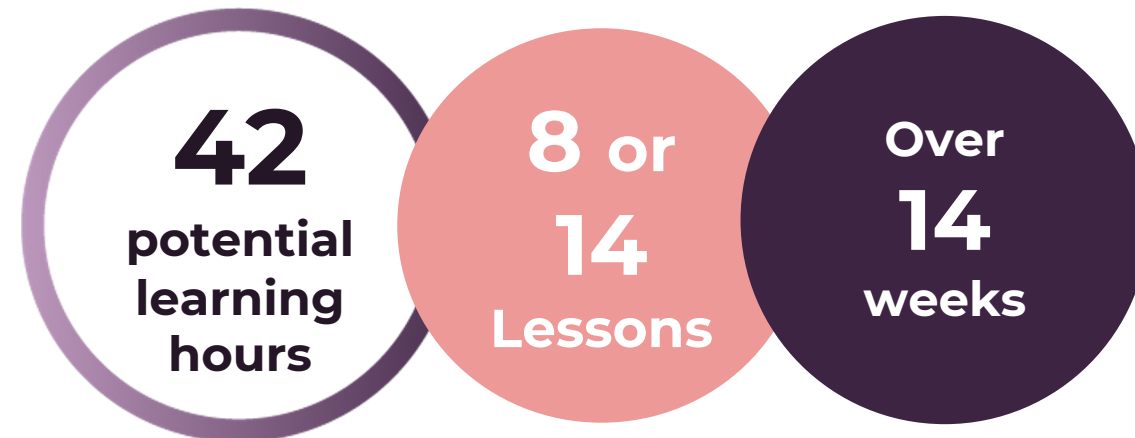
Course level completed (of the 6 completers)



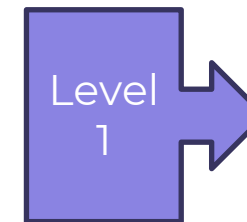
*Students withdrew from the course for various reasons, including conflicting time commitments due to full-time work or university obligations, personal/family issues (including being stranded in home country), or serious health concerns.

Course details

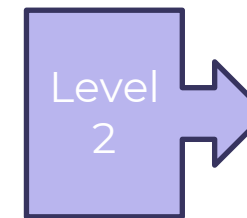
Course Duration



The course was split into 2 levels...

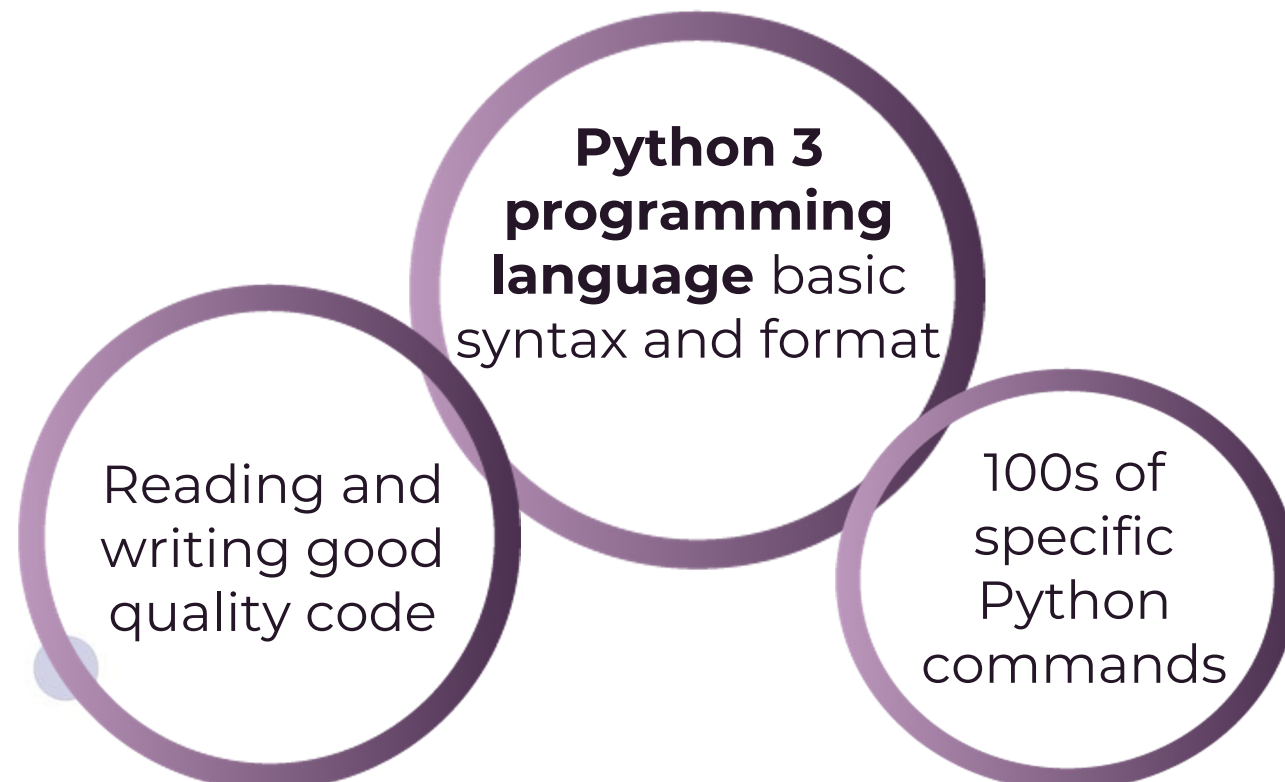


Beginner: Lessons 1-8. This level covers fundamental concepts, starting with basic Python syntax and progressing through essential programming constructs like control flow, lists, loops, functions, and string manipulation.



Advanced: Lessons 9-14. Building upon the fundamentals gained in the beginner level, we introduce more sophisticated topics such as advanced string manipulation, modules, dictionaries, files and the introduction of classes. This level aims to enhance the ability to write more complex and modular code.

Categories of Learning



Partners' Key Staff

Stefania Quattrocchi

Course Tutor,
Franco Verga

Theo Theimer

Program Manager,
Mentor,
Lumo

Engagement and soft-skill building

(based on 8 survey responses)

Survey scoring from 1 to 5
(5 = “strongly agree”)

100%

Of students were
more motivated to
continue learning
programming
following the course

Made me
believe I can
figure out
anything if I try
hard enough

4.33

Made me build
skills that will be
helpful in current
or future
employment

4.33

Taught me
how to better
find solutions
to problems

4.22

Made me think
about how to
apply what I'm
learning in
practical ways in
my life

4.67

Made me feel
more
comfortable
with digital
learning

4.11

How do you believe the course has benefited your future?

“

My medium to long term goal is to work in data analysis. Python is widely used in this industry and I hope it can help me.

”

Mattia, M,
45, Italian

“

I hope learning Python will make it easier to learn Java. I wish to go into data science and develop models.

”

Kevin, M, 28,
Kenyan

“

It will allow me to search for a new job and work in technology some day.

”

Mayra,
F, 33,
Peruvian

“

The Python Pioneers course will strengthen my CV.

”

Kirill,
M, 29,
Russian

Course feedback

(based on 8 survey responses)

Survey scoring from 1 to 5

1 ----- 2 ----- 3 ----- 4 ----- 5

2.77

4.56

4.67

4.22

How did you find the difficulty of the content of the course? (5 = very easy)*

How interesting did you find the course to be? (5 = very interesting)

How did you find the pace of the course? (5 = very fast)

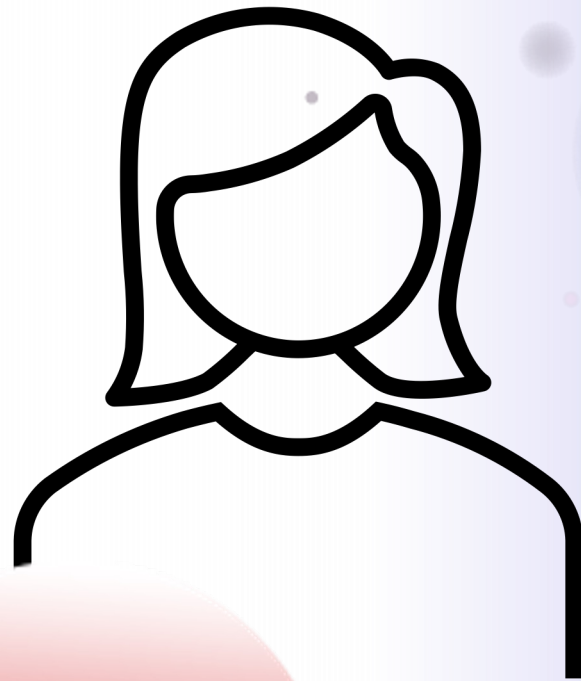
How was it for you to take the course in English? (5 = very easy)

*Students found the exercises were most difficult, noting that they were too long. They also noted that some of the lessons required a baseline knowledge that they were not prepared for. Some videos included thorough explanations while others did not. Additional learning outside of the course was required by some.

88%

Of students would recommend Python Pioneers to a friend

Feedback from the Course Tutor



Stefania
Quattrocchi
Course Tutor

“

This course was interesting and, at the same time demanding. It was necessary to make continuous adjustments to the teaching plan and to closely follow each participant with continuous reinforcement.

The participants have achieved a background in programming, which is a good basis for continuing their professional development. For some of them, the next step will be the Java/ Javascript course, also in the context of the [Work4All] project.

”



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