

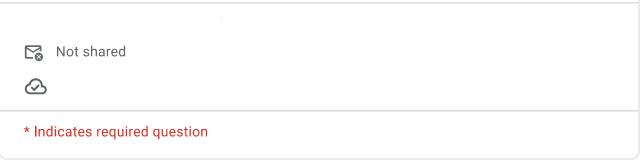
## Questionnaire - Python, R and Java

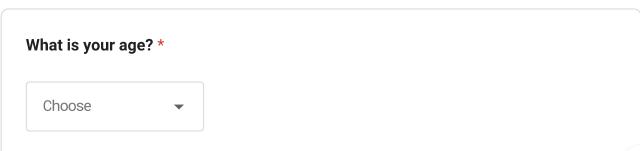
### Dear Participant,

We would like to invite you to participate in our **survey on Python, R, and Java.** The purpose of this survey is **to understand the preferences and opinions** of individuals who have experience using these programming languages.

The survey will inform educational institutions about the suitable programming language for their specifications and education level, leading to better educational outcomes and better prepared graduates.

Your participation in this survey is completely voluntary, and all **responses will be kept confidential**. The survey should take approximately **about 10 minutes** to complete, and your answers will be **used for research purposes only**, please answer all questions truthfully and to the best of your ability. Your input is invaluable to us.







What is your level? *	
O 1	
O 2	
O 3	
O 4	
What is your gender? *	
O Male	
Female	
please, put the last <b>6</b> number of your id For <b>random prize drawing</b>	
Your answer	
	Page 1 of 5
Next	Clear form

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Questionnaire - Python, R and Java
Not shared
* Indicates required question

We appreciate you for answering our main questions

Which of the following fields are you interested in? *
Mobile Applications
Cyber Security
☐ AI
Data science
Web Development
Other:



Based on your interested field, which programming language helps you the most?	*
O Python	
O Java	
O R	
Other:	
In terms of job opportunities and career growth, which programming language do you think is most in demand?	*
O Python	
O R	
O Java	
Other:	
Do you prefer to choose a language you are already familiar with for your tasks?	*
O Yes	
O Sometimes	
O No	



How familiar are you with each language? *  1 (Very unfamiliar)  5 (Very familiar)					
	1	2	3	4	5
Python	0	0	0	0	0
R	0	0	0	0	0
Java	0	0	0	0	0
In your opinion, how important is it to know multiple programming languages for * use in data science?					
Not important					
1					
2 🔘					
3 🔘					
4					
5 O					



Which programming language do you prefer for data science projects? *
O Python
O R
O Java
Do you consider the current trends in industry and job markets when choosing a *
language for tasks?
O Yes
osometimes
○ No
If you agree the pervious question, can you determine why?
To have a great chance of being accepted into jobs
To be prepared with the essential skills for more career options
to keep up with the trend
Other:



Which programming language(s) do you think are trend in the job market towards hiring professionals with skills?	*
Java	
☐ R	
Python	
Other:	
Which language are you <u>more</u> proficient in? *	
Python	
O R	
O Java	
Do you consider the specific requirements of your project when choosing a language for tasks?	*
O Yes	
O Sometimes	
O No	
Can you identify the last task you worked on?	
Your answer	



Which language did you use in this task? and why?

Your answer

Page 2 of 5

Back Next Clear form

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## Questionnaire - Python, R and Java Not shared Indicates required question

Now we need to take your opinion about the functionality of these languages

How much do the features of the programming language influence your decision \* to use it for a project?

Not at all

2 (

3

4

5

Extremely

In your opinion, what is the <u>main</u> functionality of each language?



Python:*
Scientific computing
Machine learning and artificial intelligence
Automation
O Data analysis and visualization
Other:
R: *
O Data mining
O Data analysis and visualization
Cross-platform compatibility
O Statistical analysis
Other:
Java: *
Object-oriented programming
O Web development
Mobile development
Creating graphical user interfaces (GUIs)
Other:





# Questionnaire - Python, R and Java Not shared Indicates required question

At the end, we would like you to share your experience in learning programming

How easy do you 1 (Very hard) 5 (Very easy)	ou find the lea	arning process	s for each lang	guage? *	
	1	2	3	4	5
Python	0	0	0	0	0
R	0	0	0	0	0
Java	0	0	0	0	0



Which programming language do you think has the best community support and \* resources available? Python Java What resources do you use to learn each language? Python: \* Codecademy edX Python.org Coursera Other: **R**:\* Coursera YouTube Online communities Books Other:



Java:*		
Udemy		
Online communities		
Oracle		
Coursera		
Other:		
	Page 4 of 5	
Back Next		Clear form

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## Questionnaire - Python, R and Java





Thank you for taking the time to complete this survey. Your responses will help us better understand the factors that influence the choice of programming language for projects





