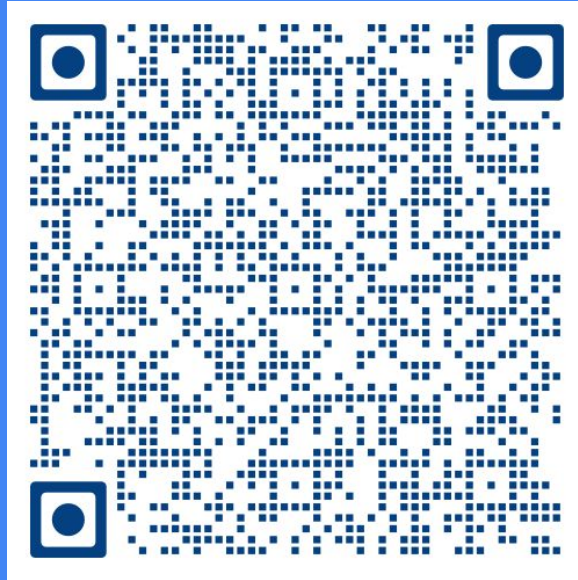# Python Course

Armin Mokhtari

Why you SHOULD learn Python?

Download these slides

1
Career Opportunities and Salary

1. Career Opportunities and Salary

Salary.com

Daxx.com

Jobvision.ir

Based on HR-reported data: a national average with a geographic differential ⓘ

View as table

10%	25%	50%(Median)	75%	90%
$79,658	$87,315	**$95,725**	$104,412	$112,322

Didn't find your job? **Click** ?

Employers: Price Your Company Jobs →

Employees: View your Salary →

1. Career Opportunities and Salary

Salary.com

Daxx.com

Jobvision.ir

	python programmer salary (per Year)
10 Percentile	$75,609
Median	$107,092
90 Percentile	$151,686

1. Career Opportunities and Salary

Salary.com   **Junior**   **>** **52,000,000 IRR**

Daxx.com   **Intermediate** **>** **75,000,000 IRR**

Jobvision.ir   **Senior**   **>** **117,000,000 IRR**
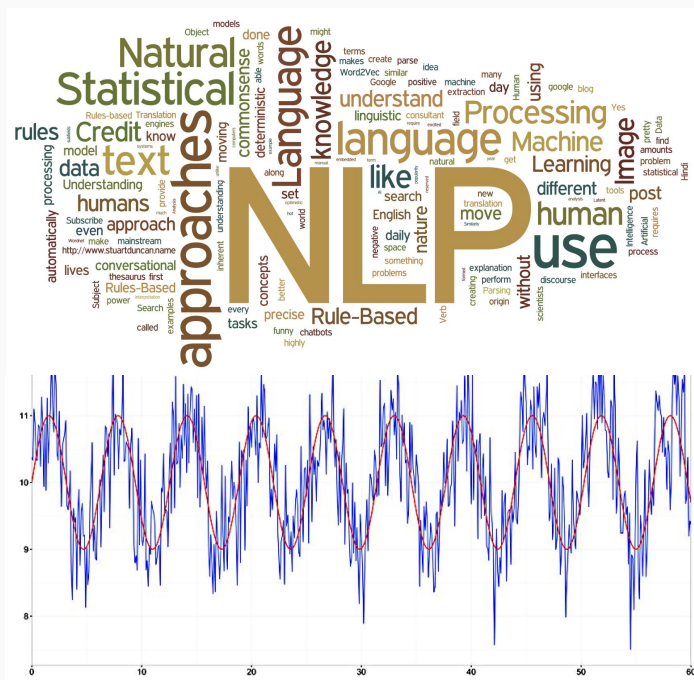
2
Applications in Data Science

2. Applications

- Data Analysis
- Machine Learning
- Data Visualization
- Deep Learning
- Web Development
- Scripting and Automation

3
An OOP Language

3. An OOP Language

4
Active Community
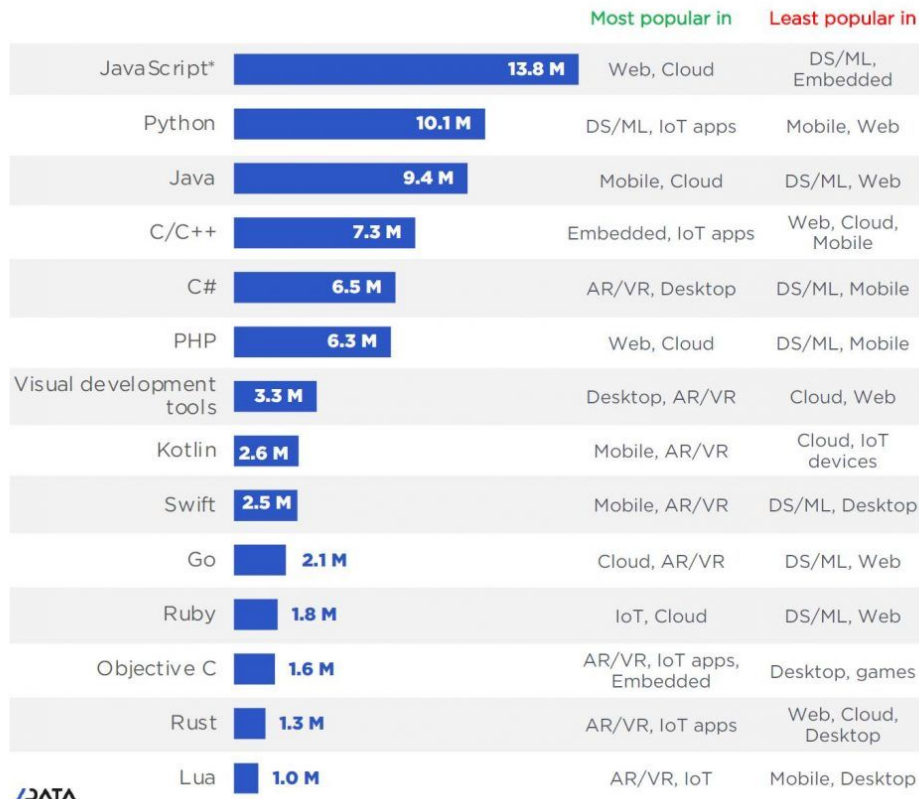
4.
Active Community

Python takes second place in community size with 10.1 million.

The language's developer community is growing the fastest of the established programming languages at a rate of 20 percent.

Close to 70 percent of ML developers and data scientists report using Python.

Size of programming language communities in Q1 2021

Active software developers, globally, in millions (Q1 2021 n=13,348)

		Most popular in	Least popular in
JavaScript*	13.8 M	Web, Cloud	DS/ML, Embedded
Python	10.1 M	DS/ML, IoT apps	Mobile, Web
Java	9.4 M	Mobile, Cloud	DS/ML, Web
C/C++	7.3 M	Embedded, IoT apps	Web, Cloud, Mobile
C#	6.5 M	AR/VR, Desktop	DS/ML, Mobile
PHP	6.3 M	Web, Cloud	DS/ML, Mobile
Visual development tools	3.3 M	Desktop, AR/VR	Cloud, Web
Kotlin	2.6 M	Mobile, AR/VR	Cloud, IoT devices
Swift	2.5 M	Mobile, AR/VR	DS/ML, Desktop
Go	2.1 M	Cloud, AR/VR	DS/ML, Web
Ruby	1.8 M	IoT, Cloud	DS/ML, Web
Objective C	1.6 M	AR/VR, IoT apps, Embedded	Desktop, games
Rust	1.3 M	AR/VR, IoT apps	Web, Cloud, Desktop
Lua	1.0 M	AR/VR, IoT	Mobile, Desktop

70%

of ML developers and data scientists report using Python.

The R programming language is in second place with a popularity of only 17%!

5
Easy to use

Java:

```
public class hello {

public static void main (String args[ ] ) {

System.out.println (" Hello World! ") ;

}

}
```

Python:

```
print("Hello World!")
```

6
Cloud-Hosted Environments

6.
Cloud-Hosted Environments

- Model training and deployment
- Teamwork
- Version Control
- Without installation
- Without special hardware
- Without configuration

Thanks!

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