



Introduction to Python

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Software Engineer



@ Django Girls BKK workshop

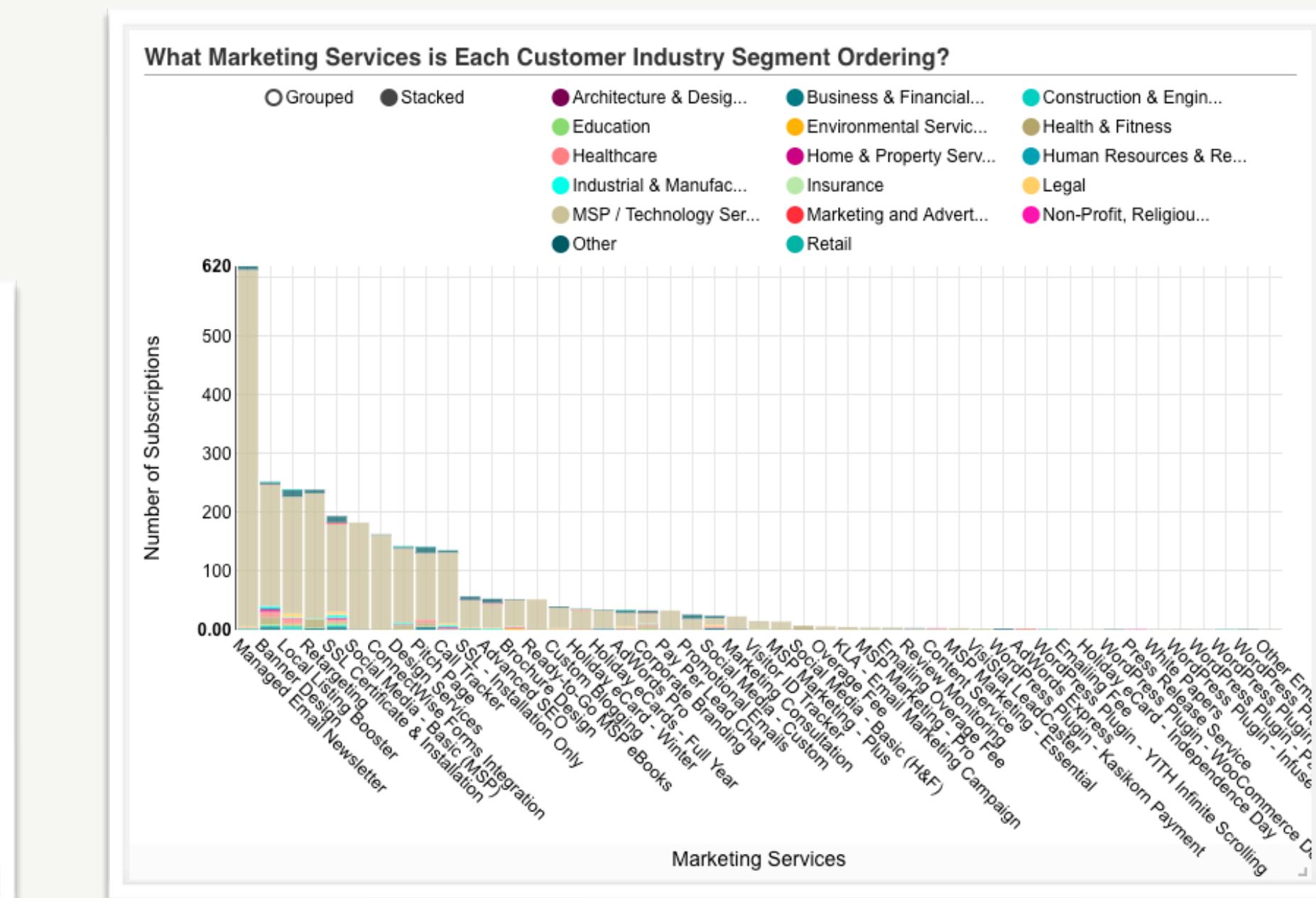
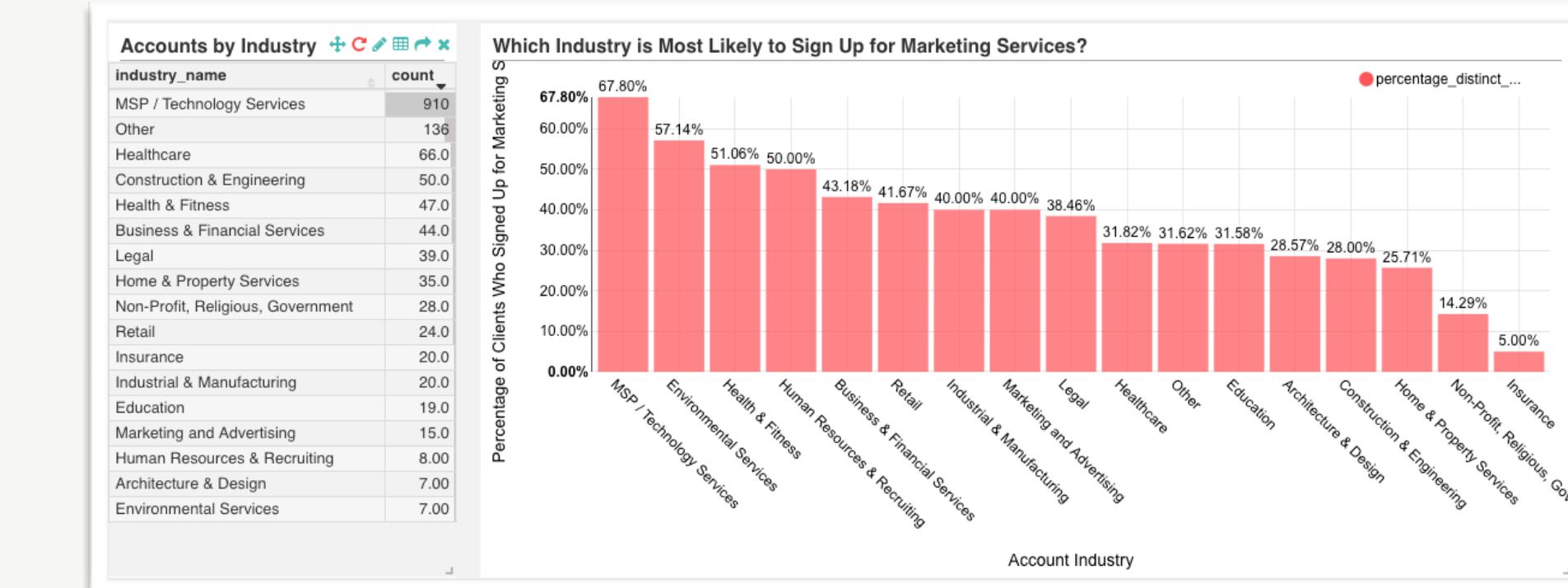


I do volunteer!

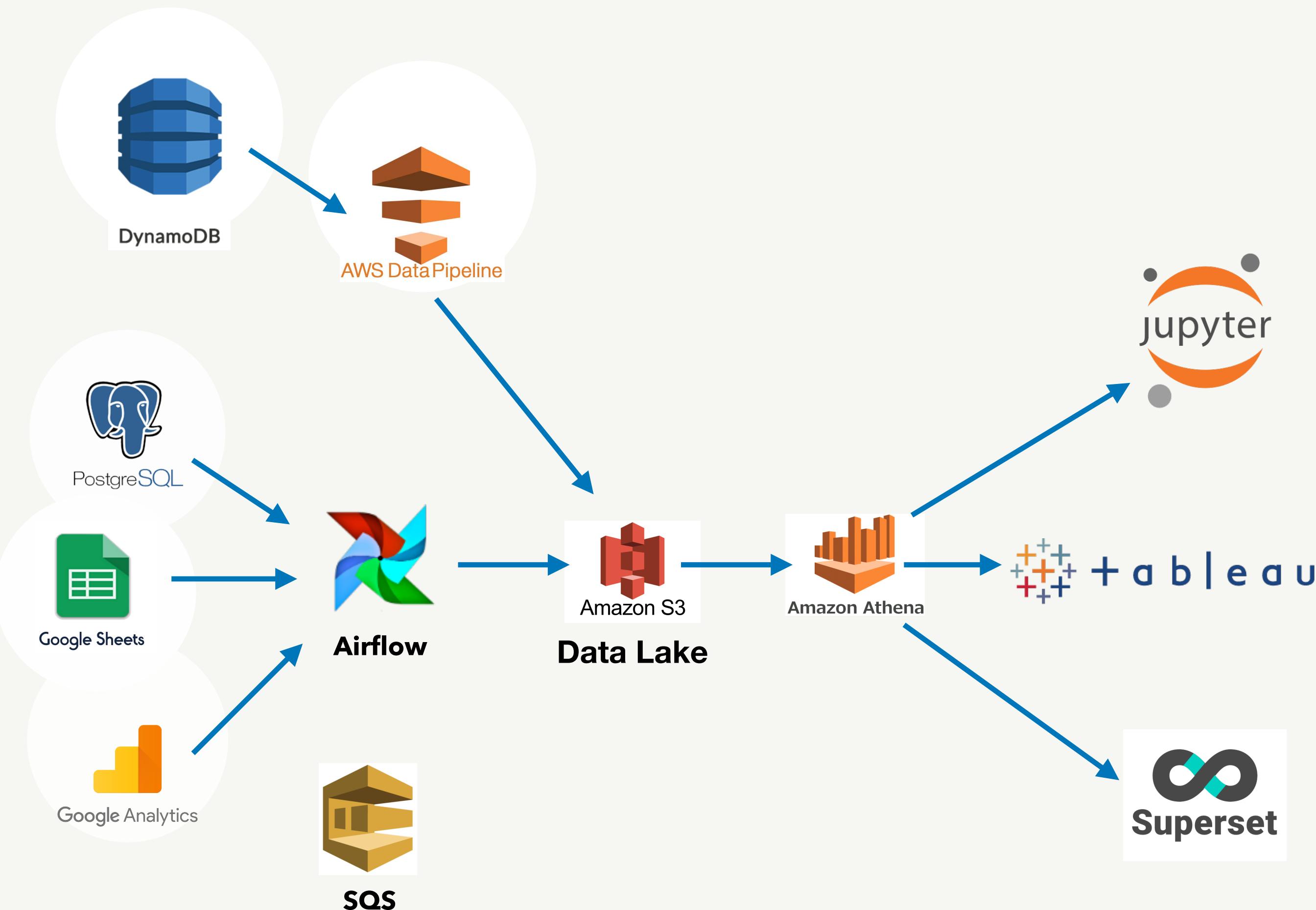
งาน Girls Who Dev และ Django girls



Data Science



Data Engineer



Stock Management System

Velna Stock App ສินค้า คลังสินค้า โอน-ย้ายสินค้า ຄູ່ມືອ

ລວມເລີດ miles ! ແກ້ວຂາກຮະບບ ແອດມິນ



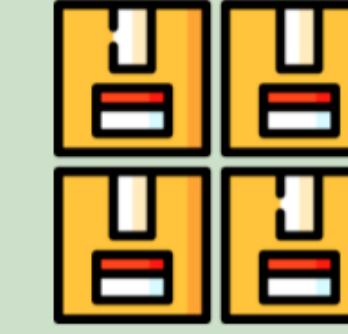
ເພີ່ມສິນຄ້າ



ຍ້າຍສິນຄ້າ



ຄລັງສິນຄ້າ



ຮວມສິນຄ້າ



ຮາຍງານ



ປຣິນທີ QR code

“
เราจะเขียน Python ไปทำอะไร

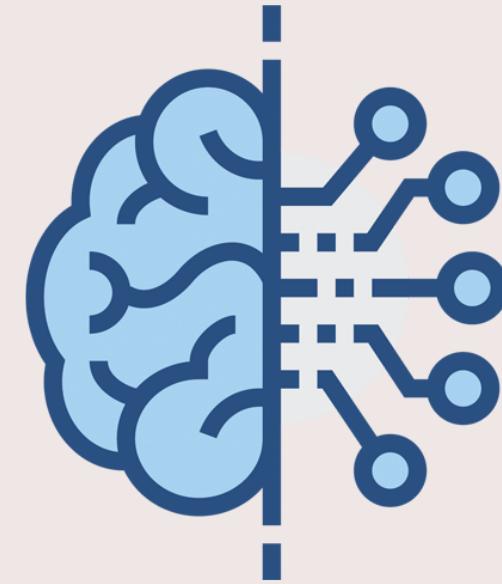
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- เลี้ยงในหัว -

Python Use Nowadays



Web Development



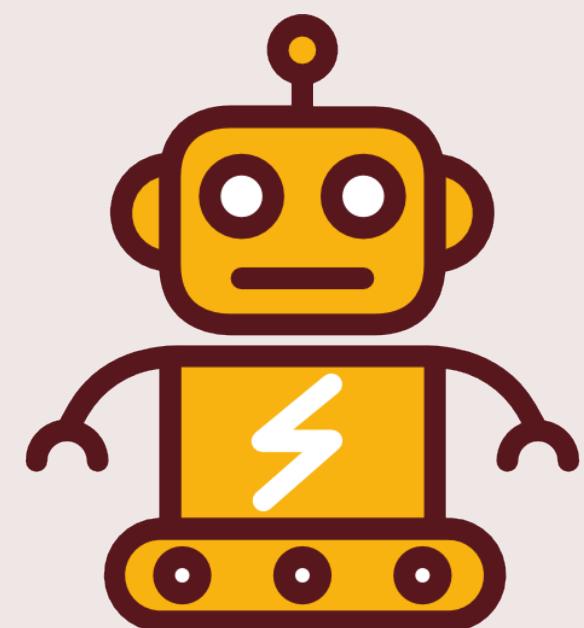
Machine Learning



Internet of Things



Data Analysis



Automation



Game

Why we use Python?

1. Readable, Easy to start and maintain

“Hello World”



The image shows a code editor interface with two tabs: 'Java' on the left and 'Python' on the right. Both tabs have a toolbar with standard file operations like New, Open, Save, and Print.

Java:

```
1 public class Main {  
2     public static void main(String[] args) {  
3         System.out.println("hello world");  
4     }  
5 }
```

Python:

```
1 print("hello world");
```

2. Robust Standard Library

- `csv` — CSV File Reading and Writing
- `datetime` — Basic date and time types
- `math` — Mathematical functions
- `json` — JSON encoder and decoder
- `secrets` — Generate secure random numbers for managing secrets
- `random` — Generate pseudo-random numbers

Why we use Python?

3. Many Third party: Open Source Frameworks and tools

Use Python for...

[»» More](#)

Web Development: [Django](#) , [Pyramid](#) , [Bottle](#) , [Tornado](#) , [Flask](#) , [web2py](#)

GUI Development: [tkInter](#) , [PyGObject](#) , [PyQt](#) , [PySide](#) , [Kivy](#) , [wxPython](#)

Scientific and Numeric: [SciPy](#) , [Pandas](#) , [IPython](#)

Software Development: [Buildbot](#) , [Trac](#) , [Roundup](#)

System Administration: [Ansible](#) , [Salt](#) , [OpenStack](#)

“Open Source”

Free

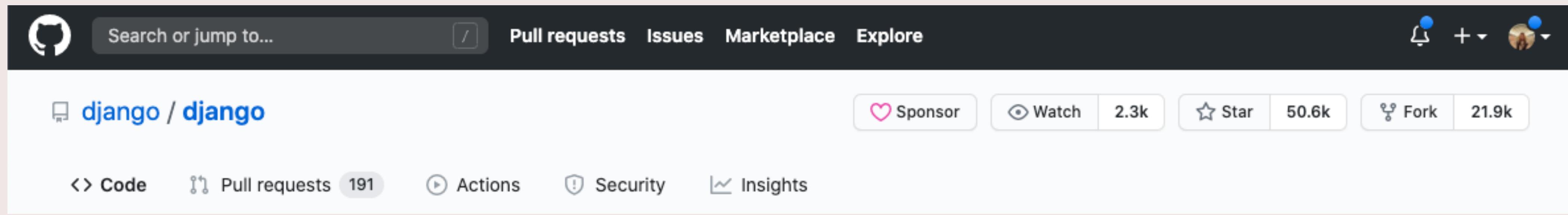
Updated

Support

“Open Source”

Updated
Free Support

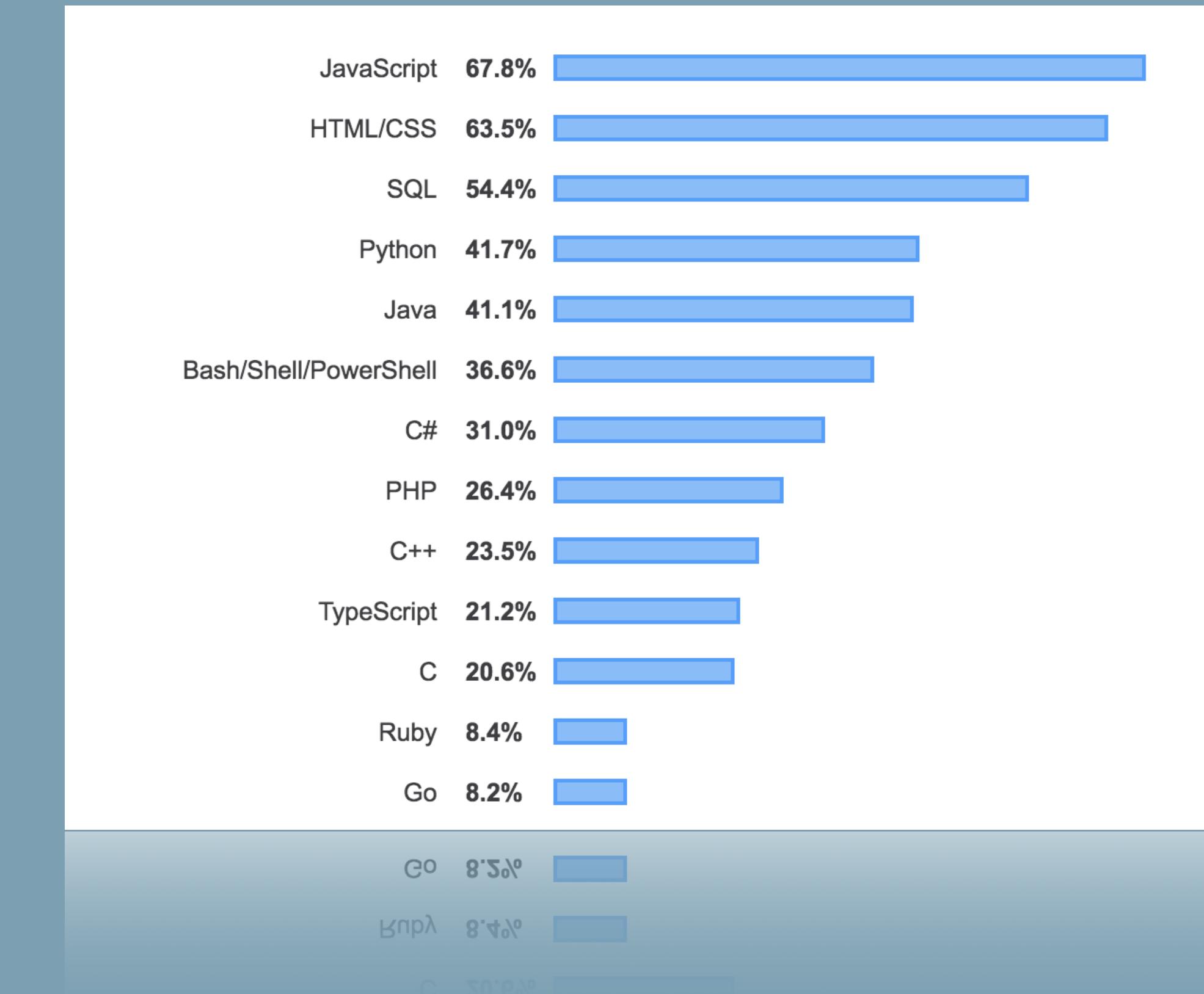
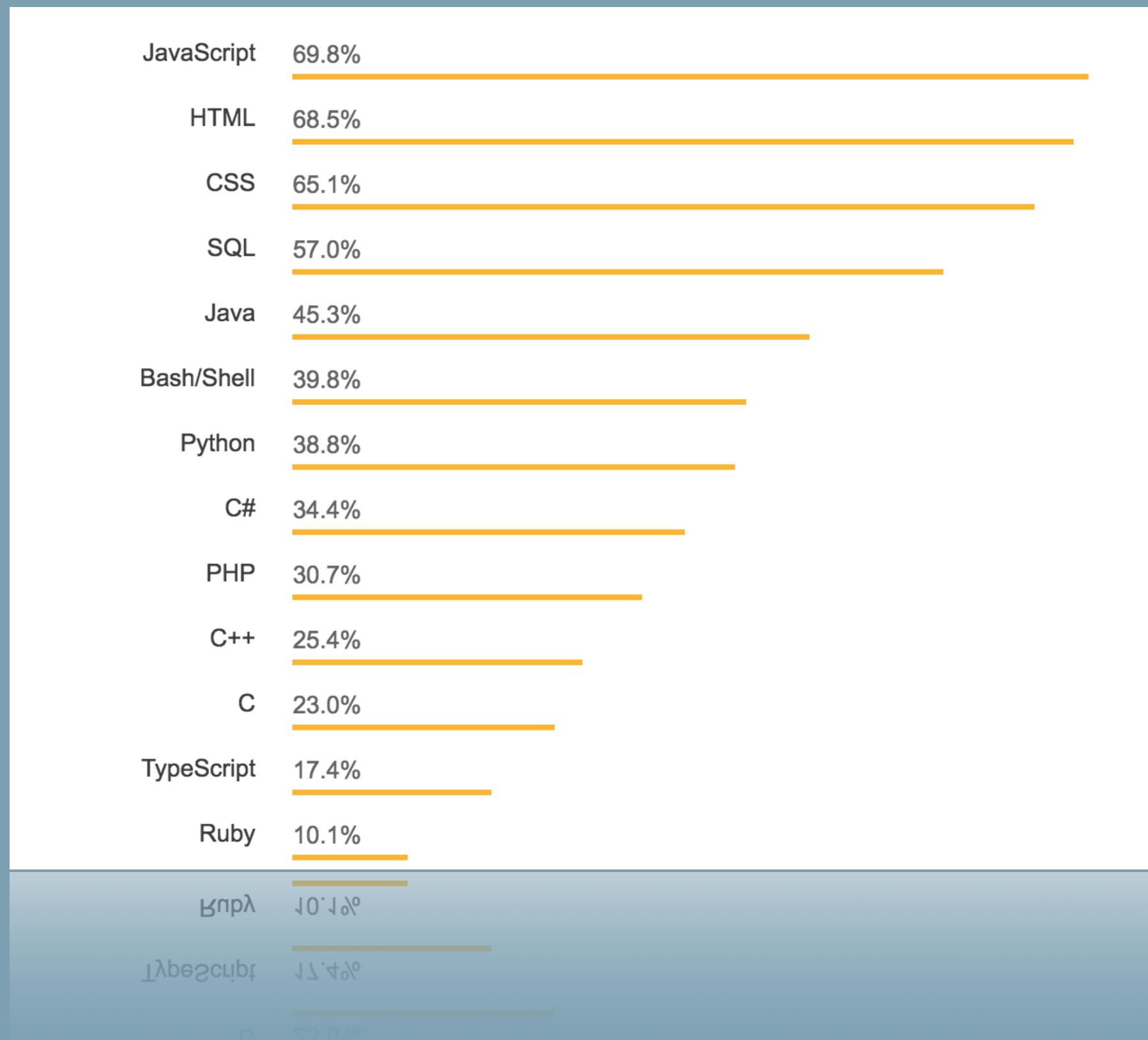
“Open Source”



Why we use Python?

Most Popular Technologies from Developer Survey Results

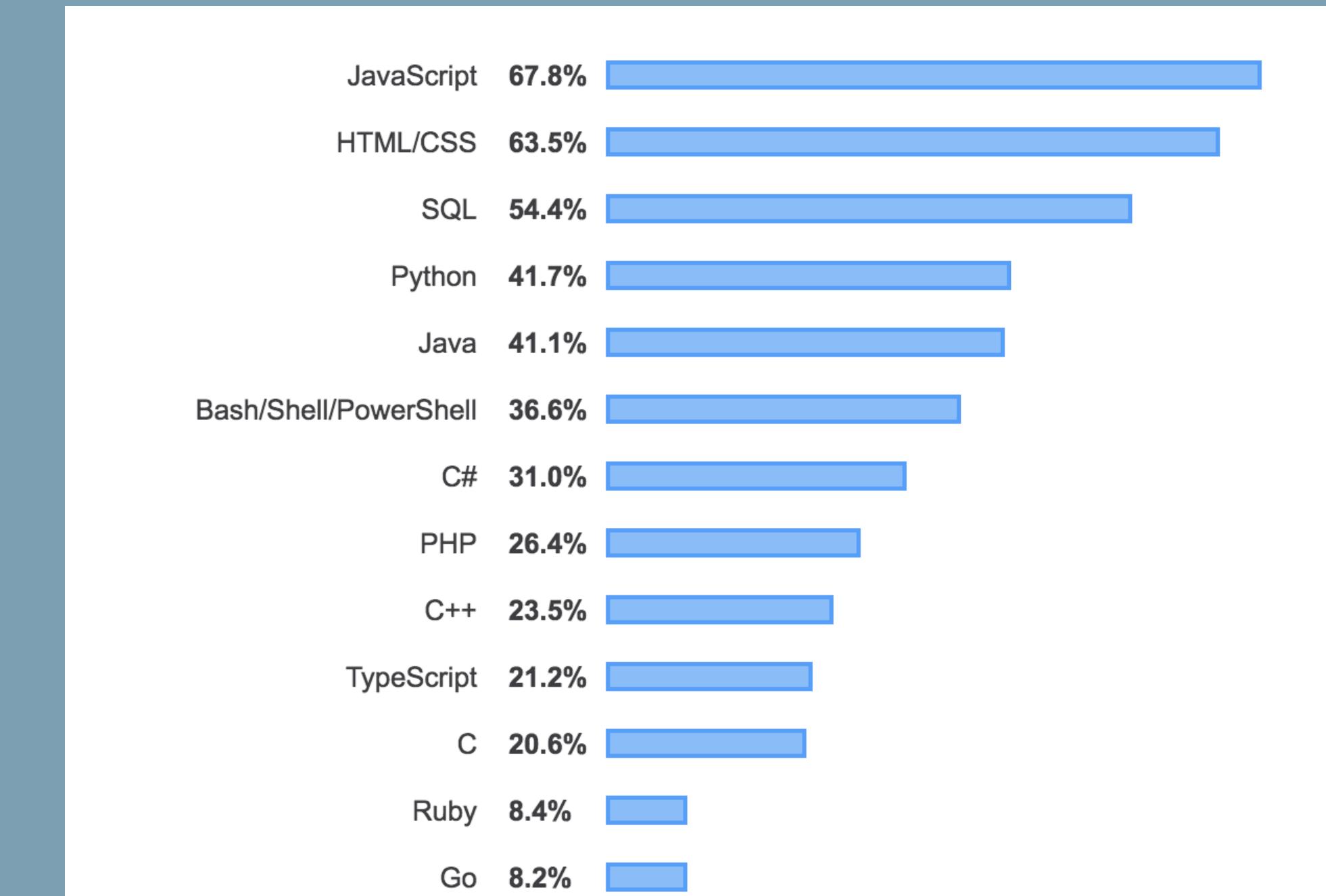
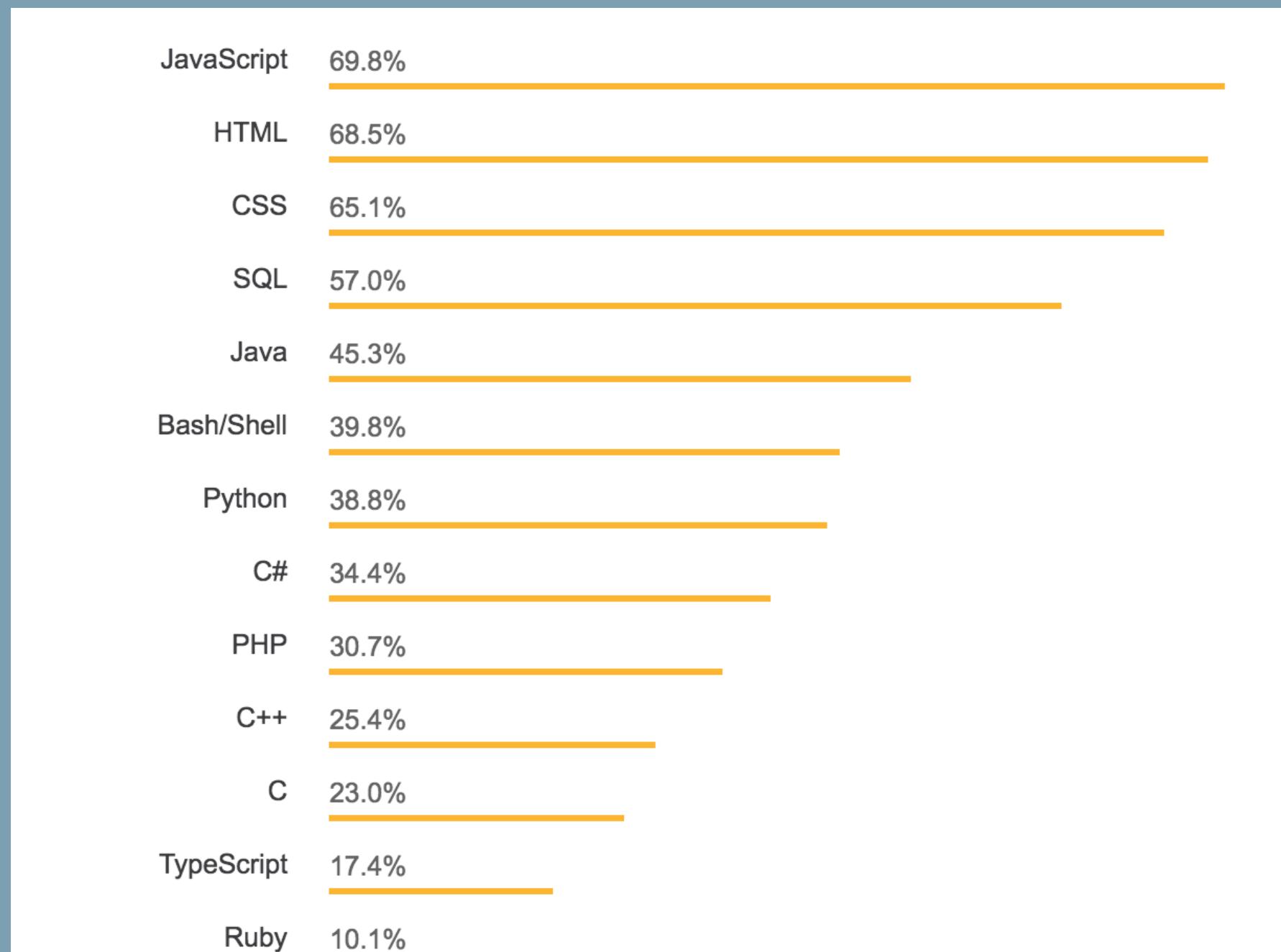
<https://insights.stackoverflow.com/survey/2018-and-2019>



Why we use Python?

Most Popular Technologies from Developer Survey Results

<https://insights.stackoverflow.com/survey/2018-and-2019>



Python
TypeScript
C

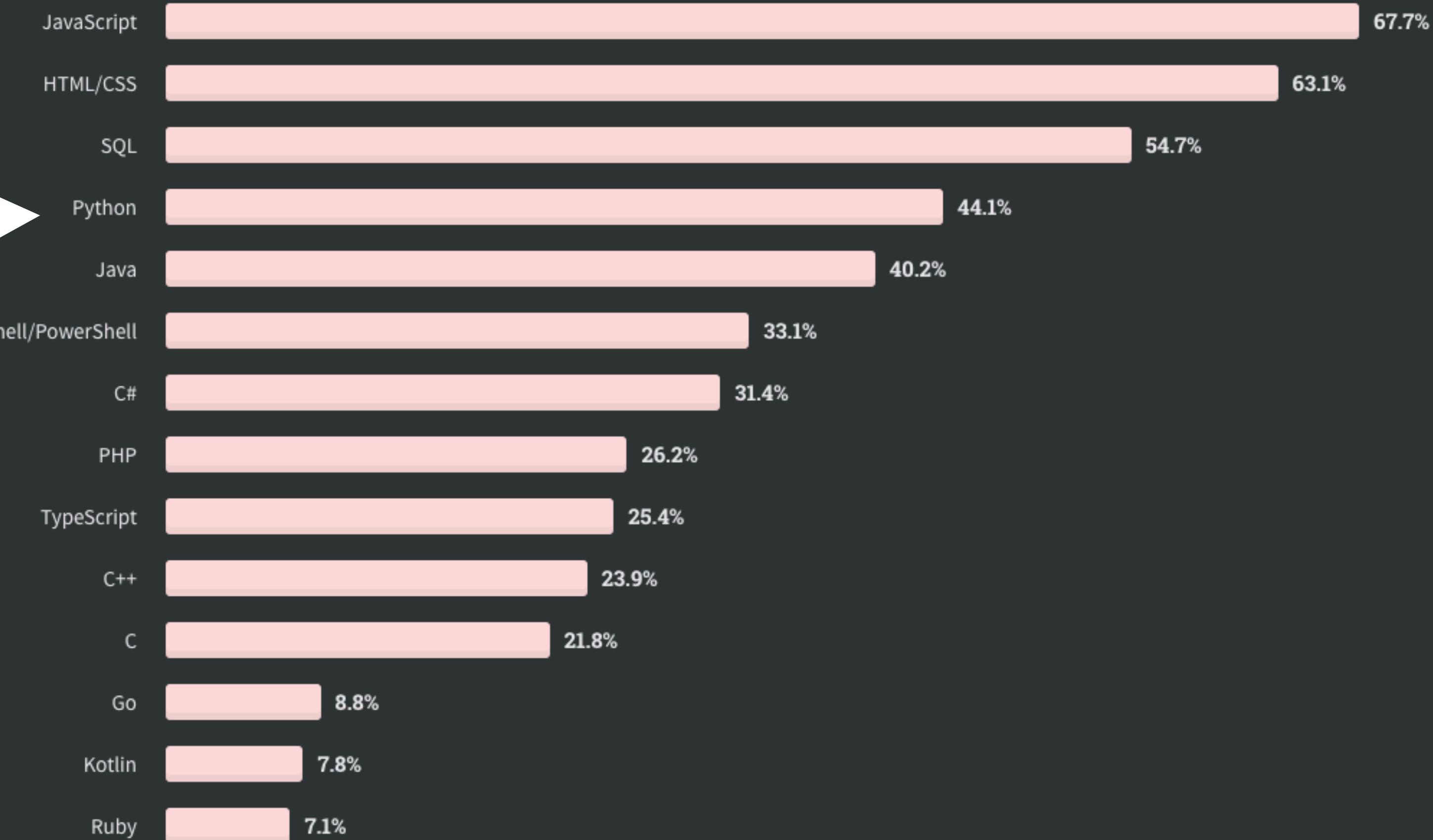
For the seventh year in a row, **JavaScript** is the most commonly used programming language, but **Python** has risen in the ranks *again*. This year, Python just edged out Java in overall ranking, much like it surpassed C# last year and PHP the year before. Python is the fastest-growing major programming language today.

Stack Over Flow Survey 2020

All Respondents

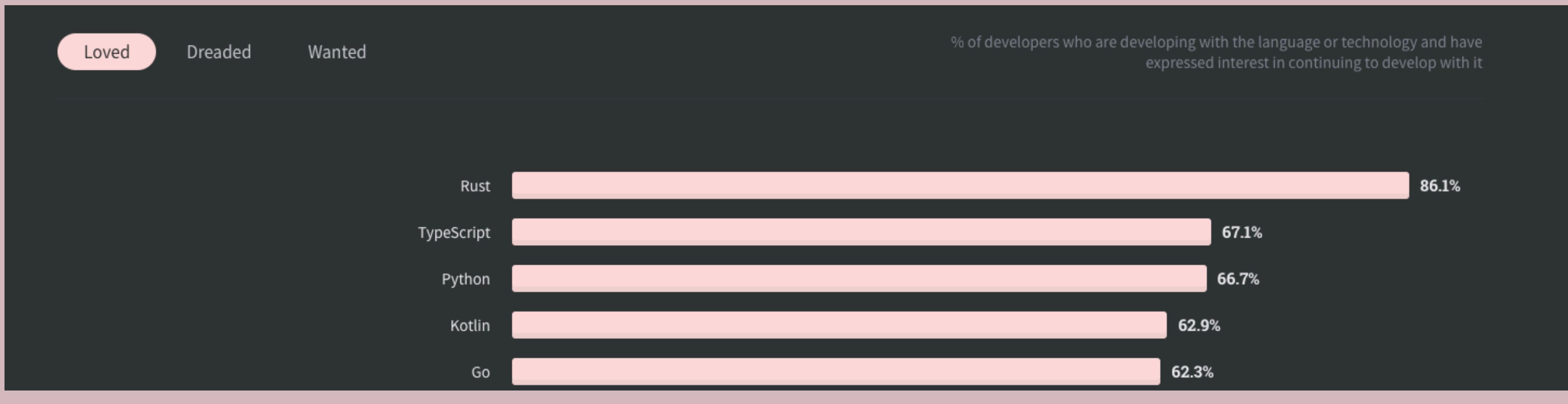
Professional Developers

57,378 responses; select all that apply



“Most Loved and Wanted Languages”

“For five years running, Rust has taken the top spot as the most loved programming language. TypeScript is second surpassing Python compared to last year.”



When you switch from C++ to Python



“Why Python is so popular?”

Github

{* SOFTWARE *}

Python overtakes Java to become second-most popular language on GitHub after JavaScript

Data analytics helps to boost contributions by 151%

Thu 7 Nov 2019 // 18:00 UTC

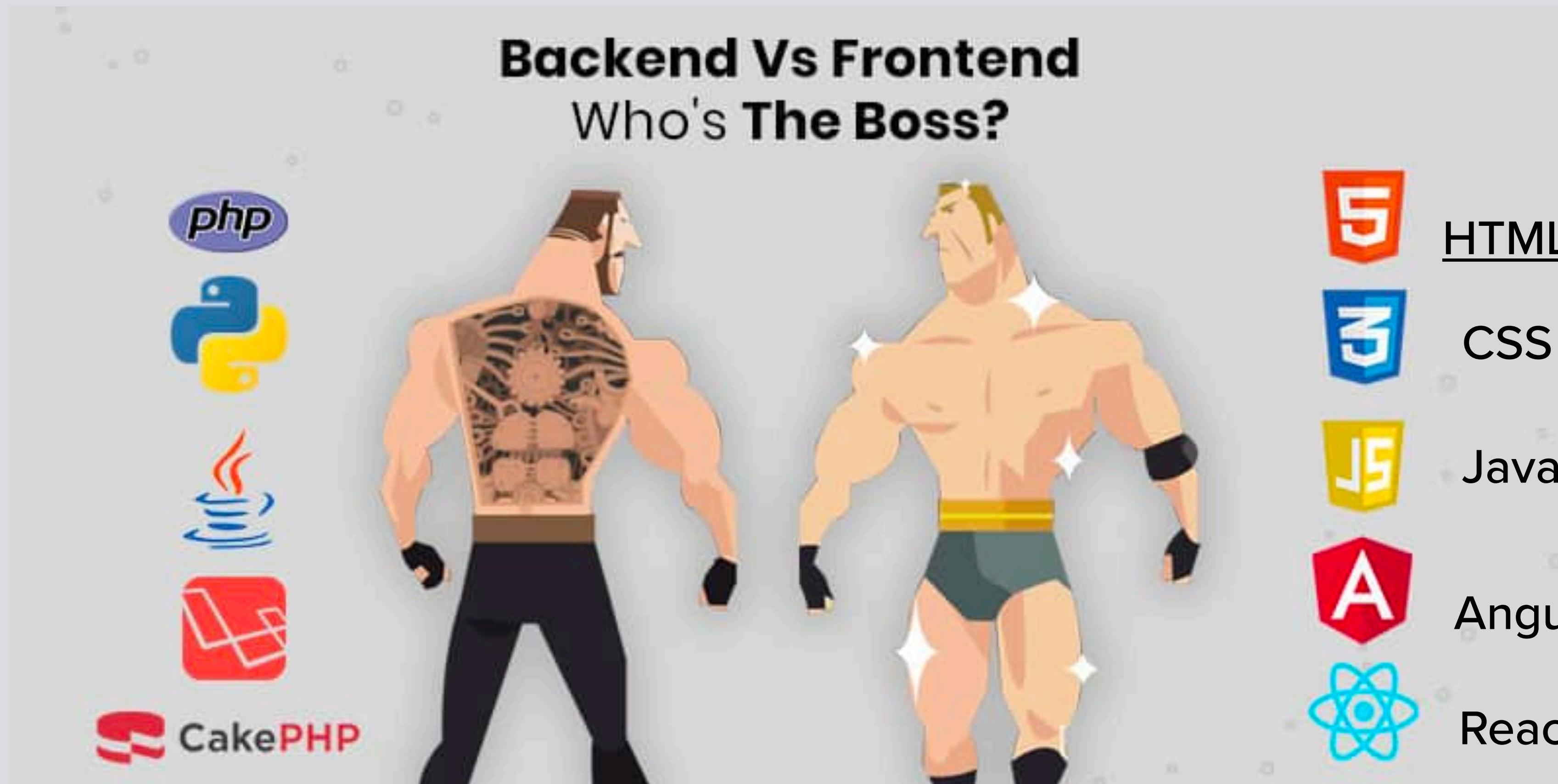
14  GOT TIPS?

Tim Anderson [BIO](#) [EMAIL](#) [TWITTER](#)

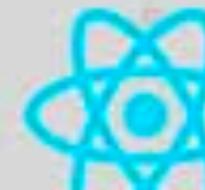
GitHub's annual "State of the Octoverse" report has revealed Python has overtaken Java as the second-most popular programming language on the platform, based on the primary language of repositories.

- The growth of Python is linked to increasing interest in data and machine learning, and GitHub said that use of [Jupyter Notebooks](#) has more than doubled each year for the last three.
- Jupyter Notebooks are commonly used for [data visualisation, statistics and machine learning](#).

Backend Web Development



Frontend Web Development

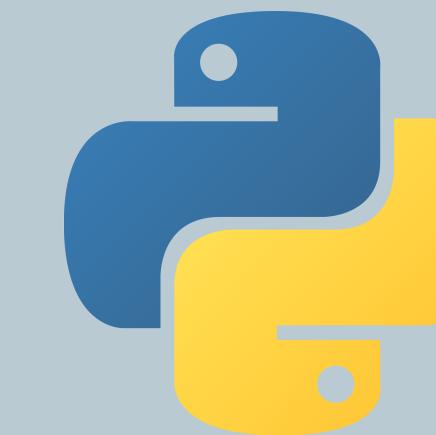
-  HTML5
-  CSS 3
-  Bootstrap
-  Javascripts
-  Angular.js
-  React.js

<https://www.excellentwebworld.com/backend-vs-frontend/>

Python Version



Python 2



Python 3

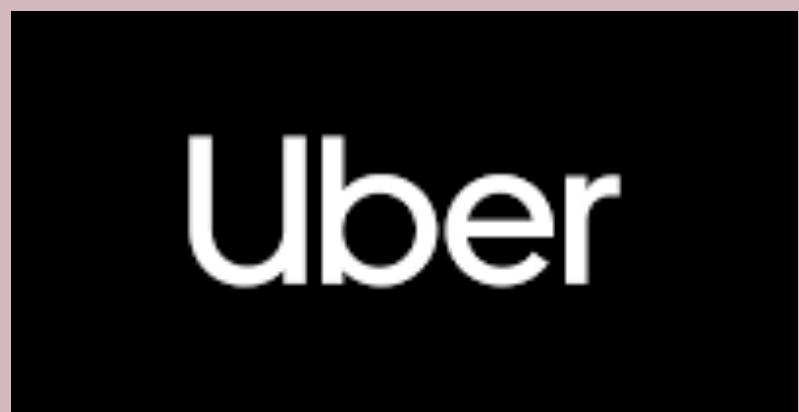
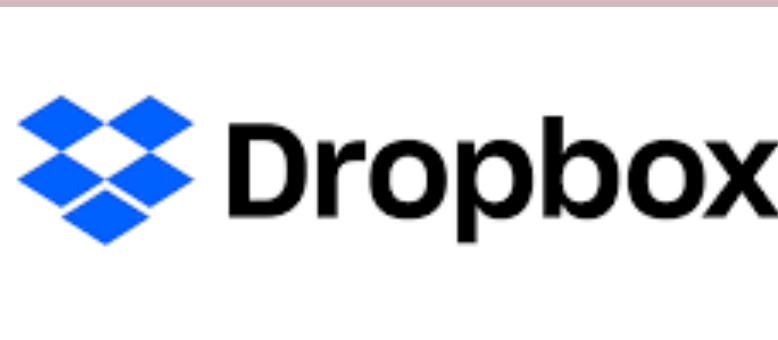
A screenshot of a web browser displaying the pythonclock.org website. The page features a large green header that reads "Python 2.7 will retire in...". Below this is a timer with six fields: Years, Months, Days, Hours, Minutes, and Seconds, all currently显示为0. At the bottom of the page, there is explanatory text about the retirement of Python 2.7 and a message of thanks to Python 2.

Who use it?



Google

reddit



Question?