

# Popular Web Languages

The trend in last 5 years - What big data can tell us?

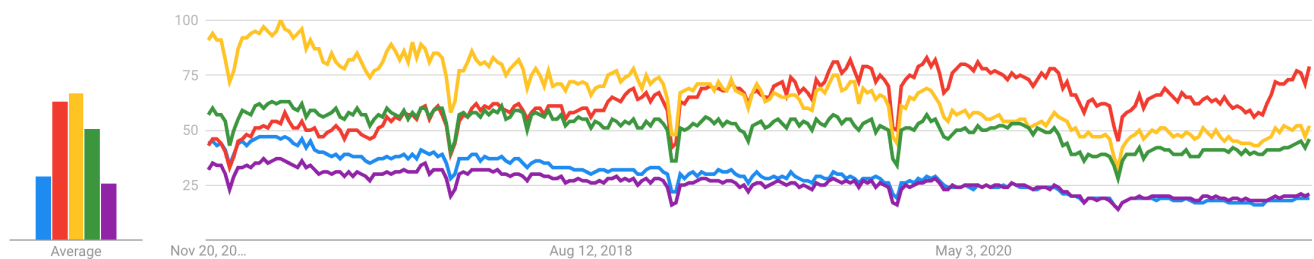
<https://trends.google.com/trends/explore?date=today%205->

[y&q=%2Fm%2F060kv,%2Fm%2F05z1\\_,%2Fm%2F07sbkfb,%2Fm%2F02p97,%2Fm%2F015tjh](https://trends.google.com/trends/explore?date=today%205-y&q=%2Fm%2F060kv,%2Fm%2F05z1_,%2Fm%2F07sbkfb,%2Fm%2F02p97,%2Fm%2F015tjh)

● PHP Programming language	● Python Programming language	● Java Programming language	● JavaScript Programming language	● CSS Programming language
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Worldwide ▼ Past 5 years ▼ All categories ▼ Web Search ▼

Interest over time ?

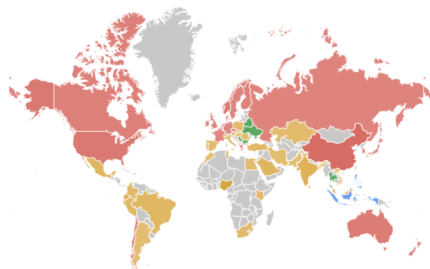


Compared breakdown by region

Region ▼

● PHP ● Python ● Java ● JavaScript ● CSS

Sort: Interest for PHP ▼

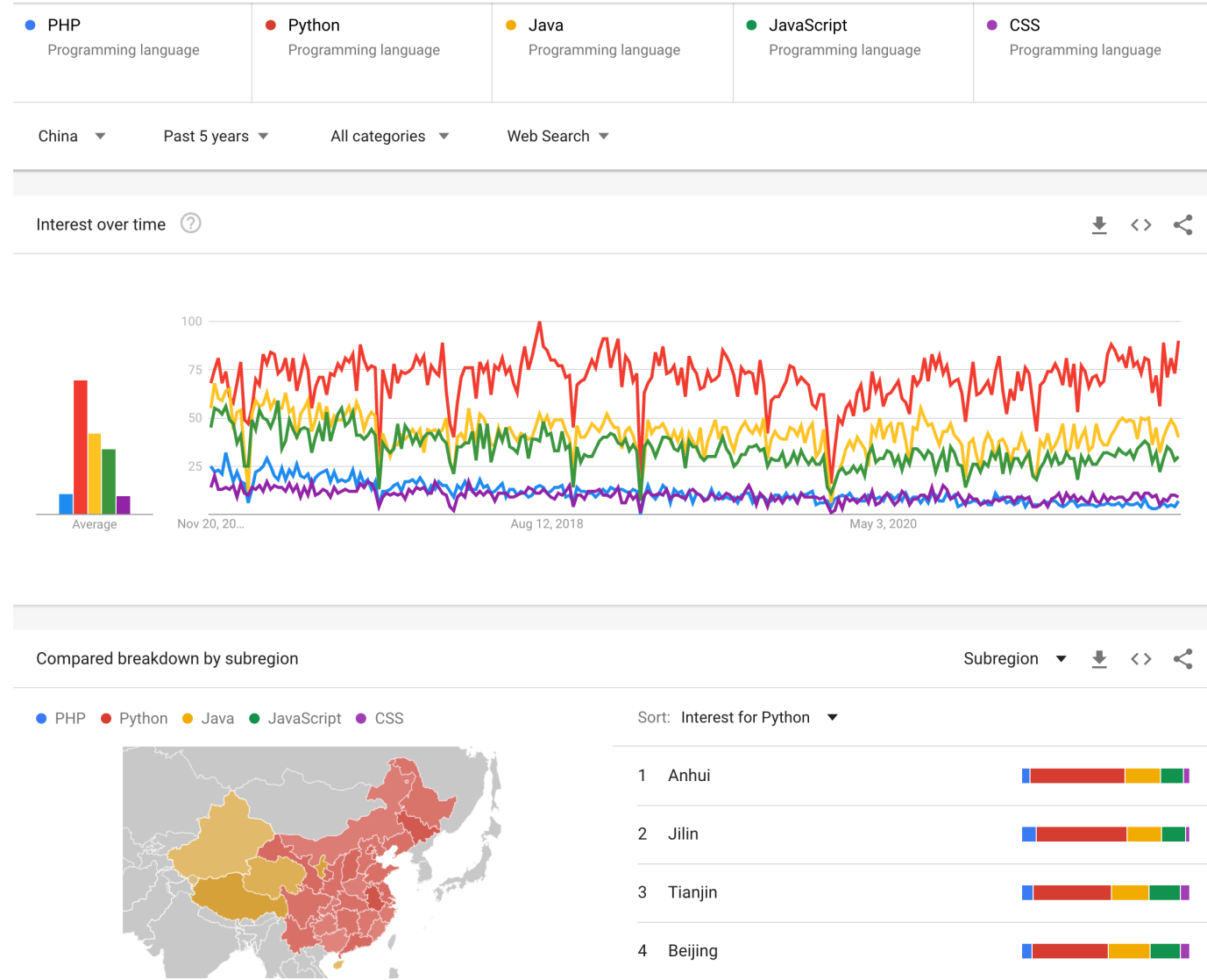


1	Indonesia	<div><div></div><div></div><div></div><div></div><div></div></div>
2	Philippines	<div><div></div><div></div><div></div><div></div><div></div></div>
3	Thailand	<div><div></div><div></div><div></div><div></div><div></div></div>
4	Morocco	<div><div></div><div></div><div></div><div></div><div></div></div>

- World wide, Python is trending up while others are trending down. Why?
- Python is now dominant in most regions and programming domains.
- Only a few countries still have PHP as primary web Language.
- Which ones are front browser side languages? which ones are the back server side languages?
- What do PHP and CSS stand for?
- Why there are big dips around Christmas to New Year period?

<https://trends.google.com/trends/explore?date=today%205->

[y&geo=CN&q=%2Fm%2F060kv,%2Fm%2F05z1\\_,%2Fm%2F07sbkfb,%2Fm%2F02p97,%2Fm%2F015tjh](https://trends.google.com/trends/explore?date=today%205-y&geo=CN&q=%2Fm%2F060kv,%2Fm%2F05z1_,%2Fm%2F07sbkfb,%2Fm%2F02p97,%2Fm%2F015tjh)



Compared breakdown by subregion

Subregion ▾

↓

<>

↻

● PHP ● Python ● Java ● JavaScript ● CSS

Sort: Interest for Python ▾

1 Anhui

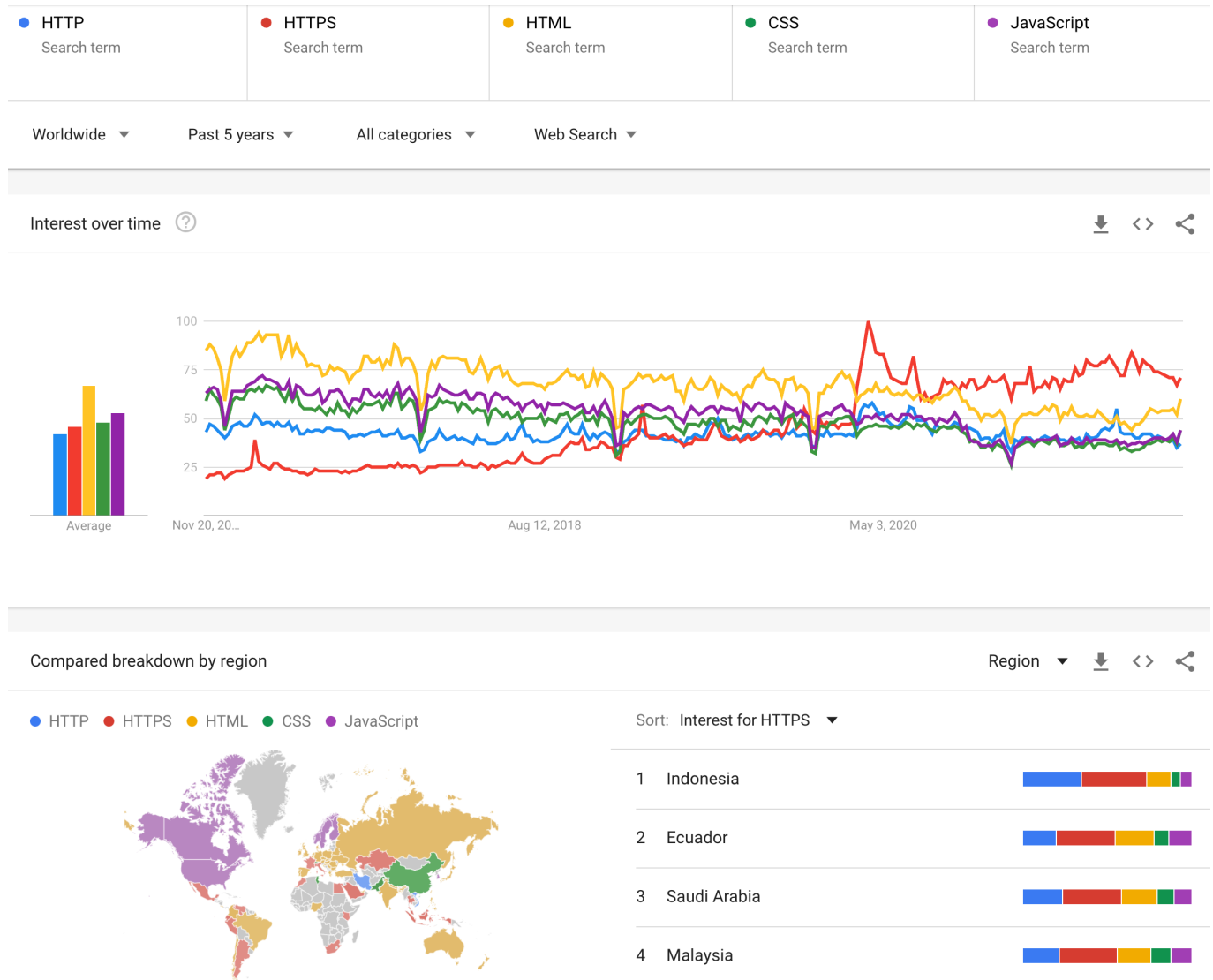
2 Jilin

3 Tianjin

4 Beijing

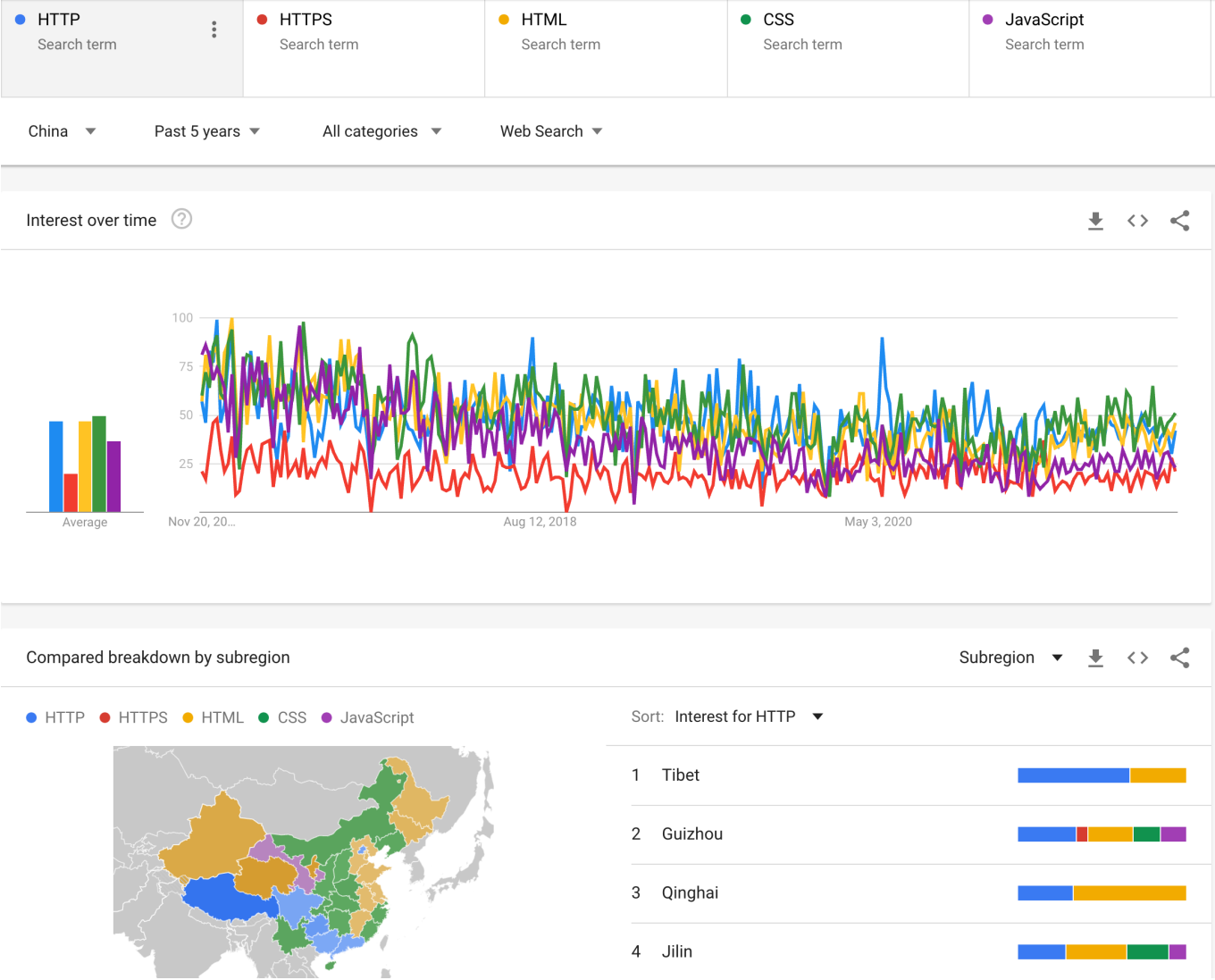
- In China, Python is dominant except a few places in the west.
- There are big dips around Chinese New Year period.

<https://trends.google.com/trends/explore?date=today%205-y&q=HTTP,HTTPS,HTML,CSS,JavaScript>



- What do HTTP, HTTPS and HTML stand for?
- World wide, HTTPS spiked up around Feb 2020. Why?
- HTTPS is the dominant world wide.

<https://trends.google.com/trends/explore?date=today%205-y&geo=CN&q=HTTP,HTTPS,HTML,CSS,JavaScript>



Python

Interest by subregion ? Subregion [dropdown] [menu] [download] [refresh] [share]

Sichuan

Search interest

52

Related queries ? Rising [dropdown] [download] [refresh] [share]

1 python 读取 csv Breakout

2 mac 安装 python3 Breakout

3 python namedtuple Breakout

4 python 面试题 Breakout

5 python requests post Breakout

< Showing 1-5 of 25 queries >

- Beijing = 100, Why?

Java

Interest by subregion ? Subregion [dropdown] [menu] [download] [refresh] [share]

Sichuan

Search interest

46

Related queries ? Rising [dropdown] [download] [refresh] [share]

1 kotlin Breakout

2 java optional Breakout

3 java spi Breakout

4 java stream filter Breakout

5 阿里 巴巴 java 开发 手册 Breakout

< Showing 1-5 of 25 queries >

- Zhejiang = 100, Why?

JavaScript

Interest by subregion ? Subregion [dropdown] [menu] [download] [refresh] [share]

Sichuan

Search interest

67

Related queries ? Rising [dropdown] [download] [refresh] [share]

1 await Breakout

2 next.js Breakout

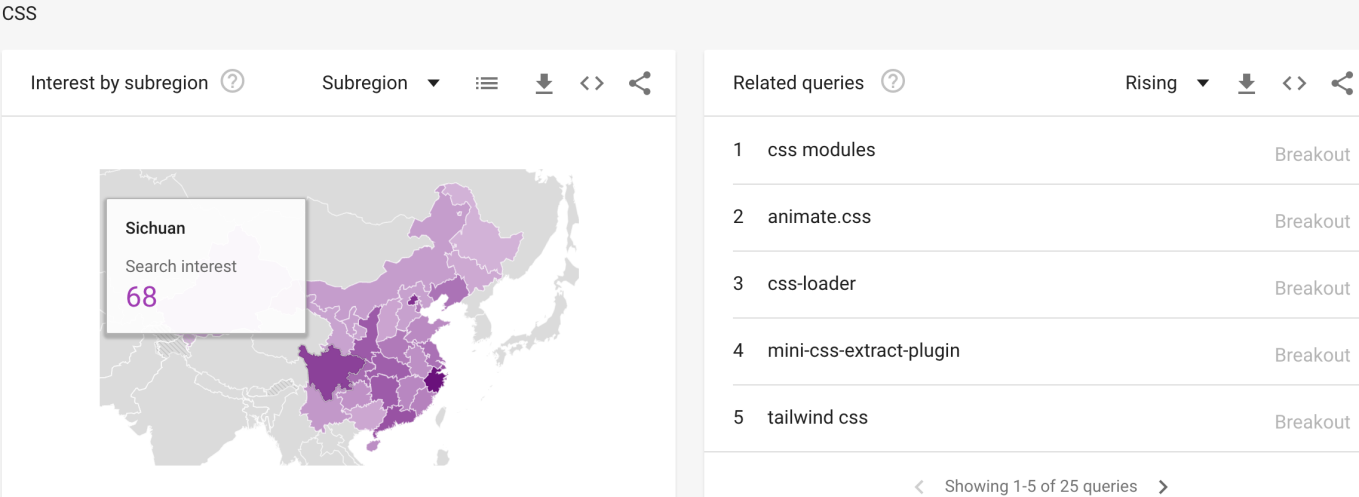
3 axios Breakout

4 js concat Breakout

5 js fetch Breakout

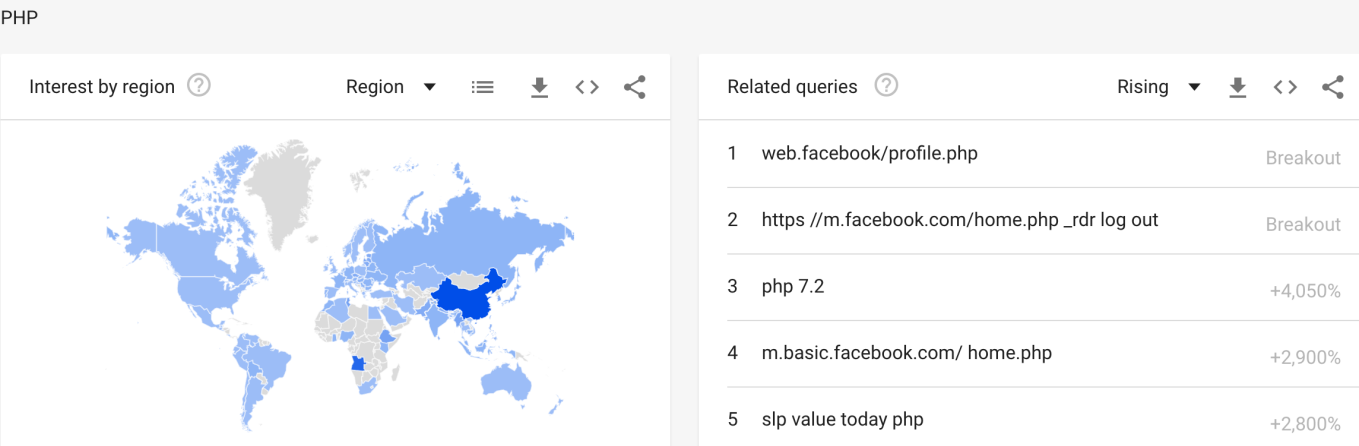
< Showing 1-5 of 25 queries >

- Zhejiang = 100, Why?

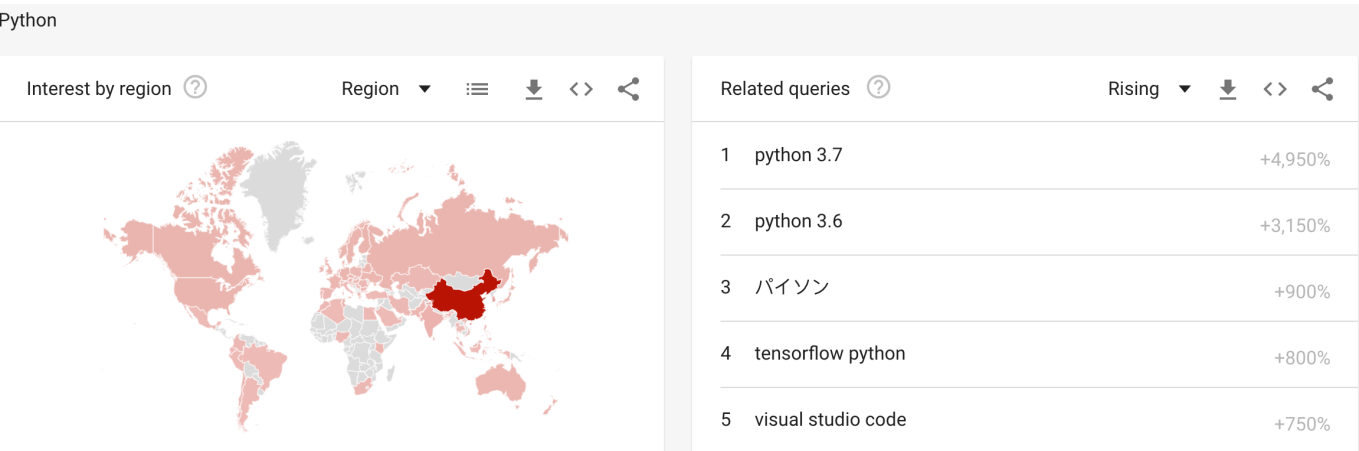


- Zhejiang = 100, Why?

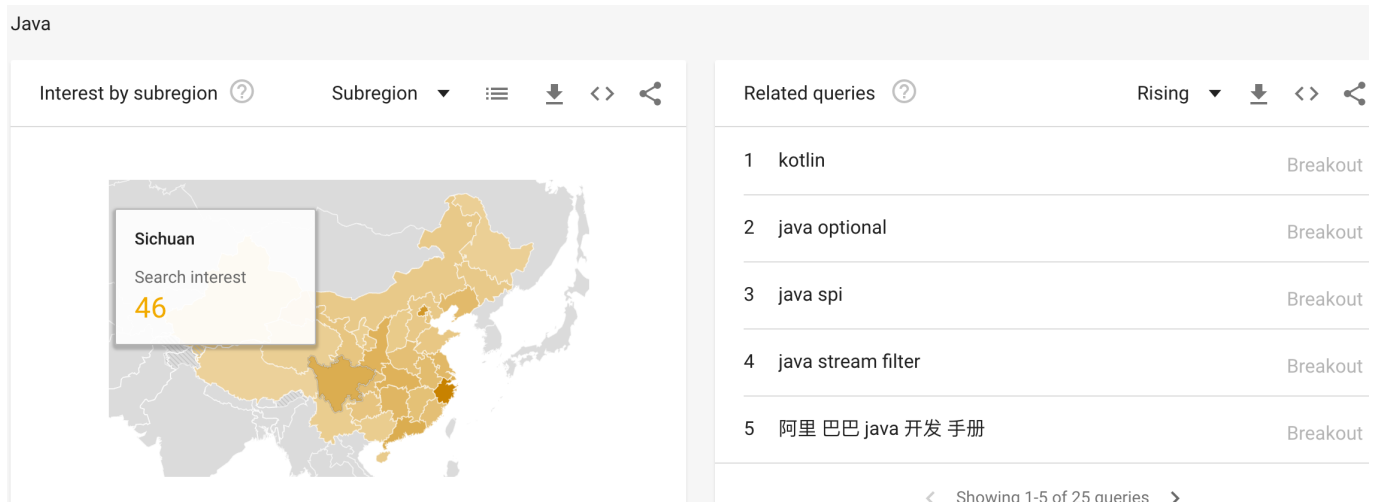
Language Popularity World Wide



- China = 100, Why?
- India = 14
- US = 7



- China = 100, Why?
- India = 5
- US = 4

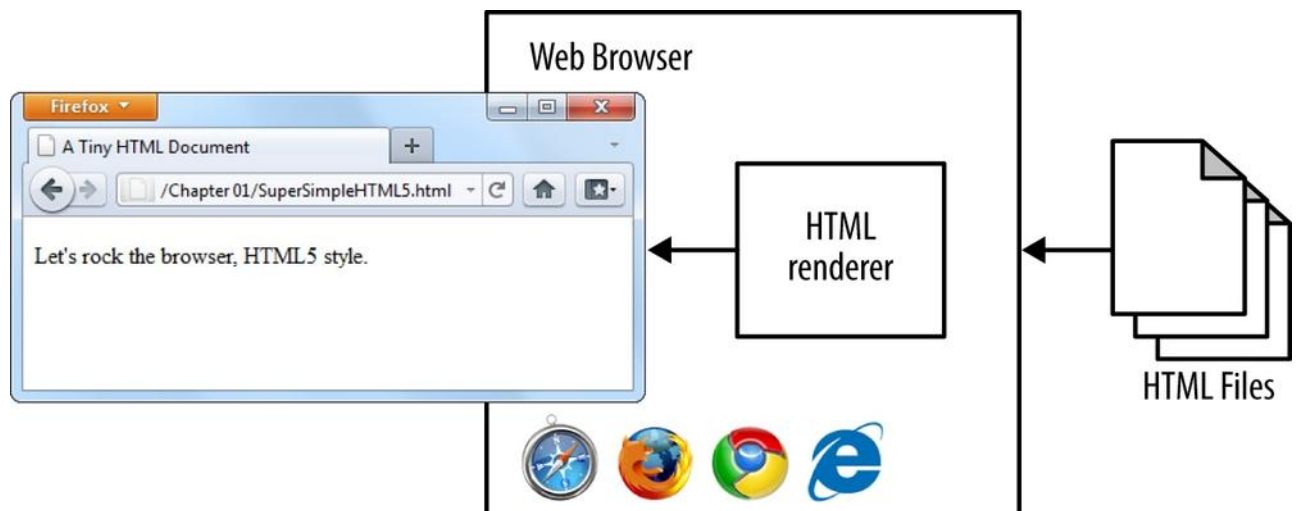


- China = 100, Why?
- India = 14
- US = 5

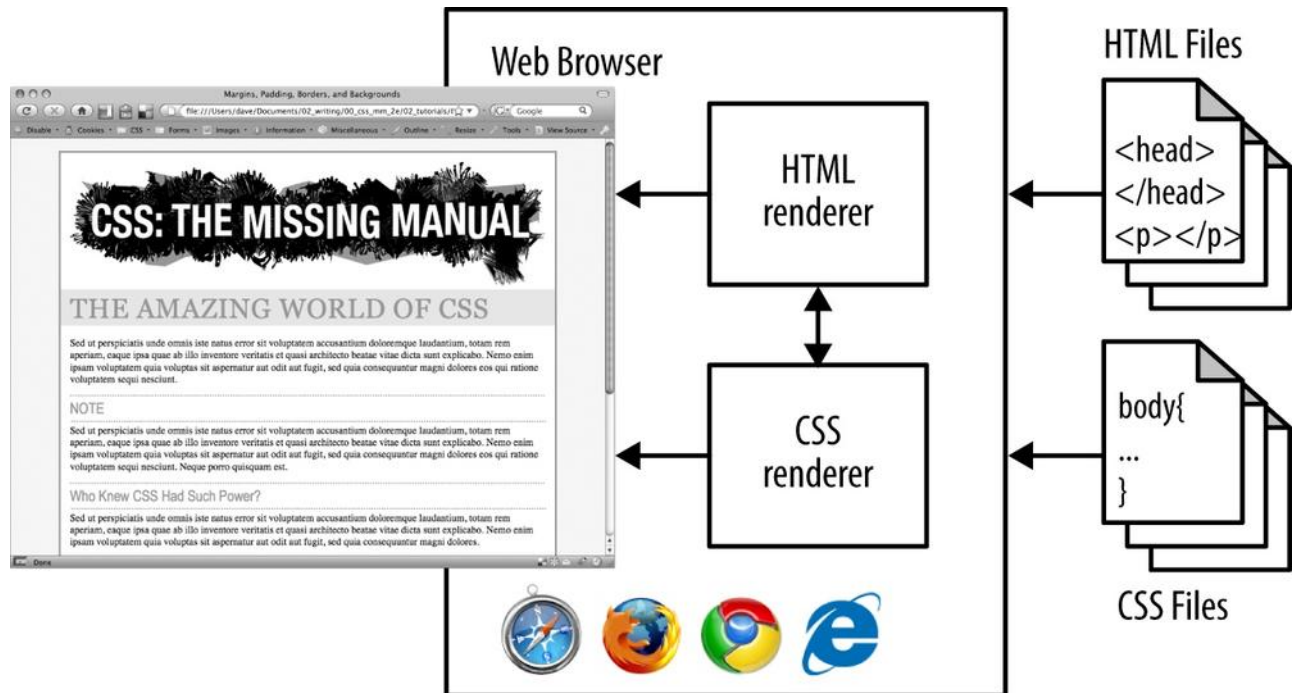
## Web Concepts

Web 1.0 Static Web => Web 2.0 dynamic Web

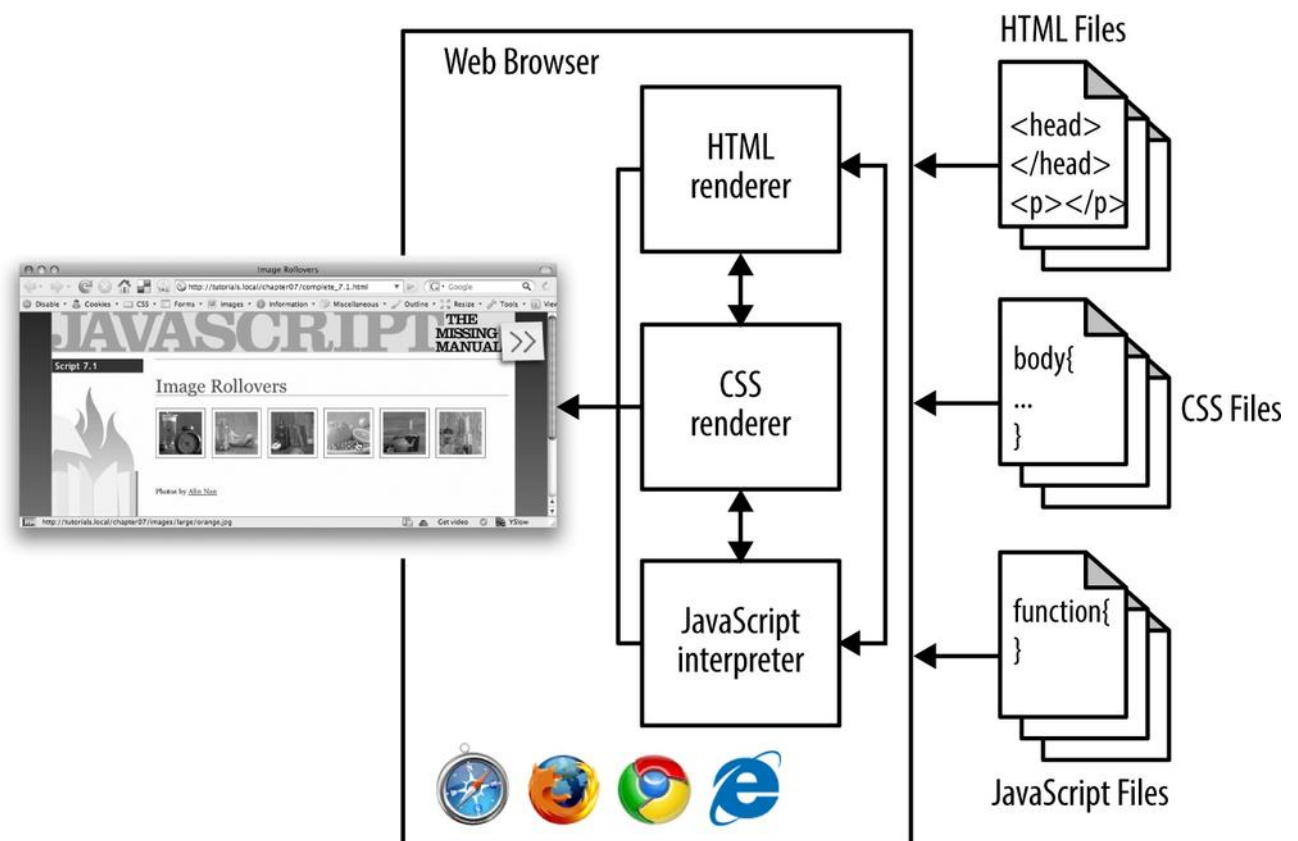
- Pure Static:



- 
- Pure Static + style formatting



- Pure Static + style formatting + dynamic

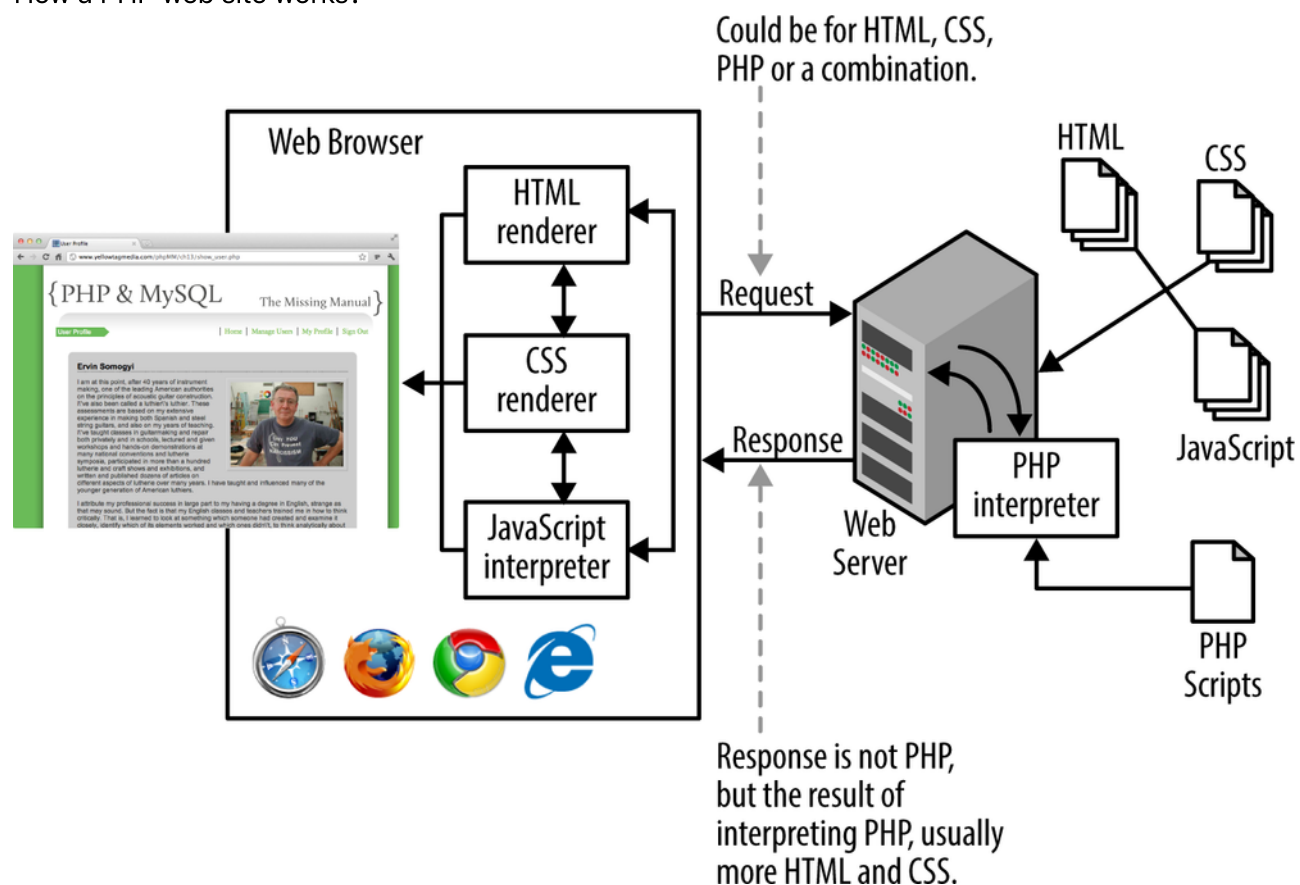


- HTML + CSS + JavaScript are all browser front side technology.
- Do you need a backend server to make them work?

Client Side + Server Side = Web Applications

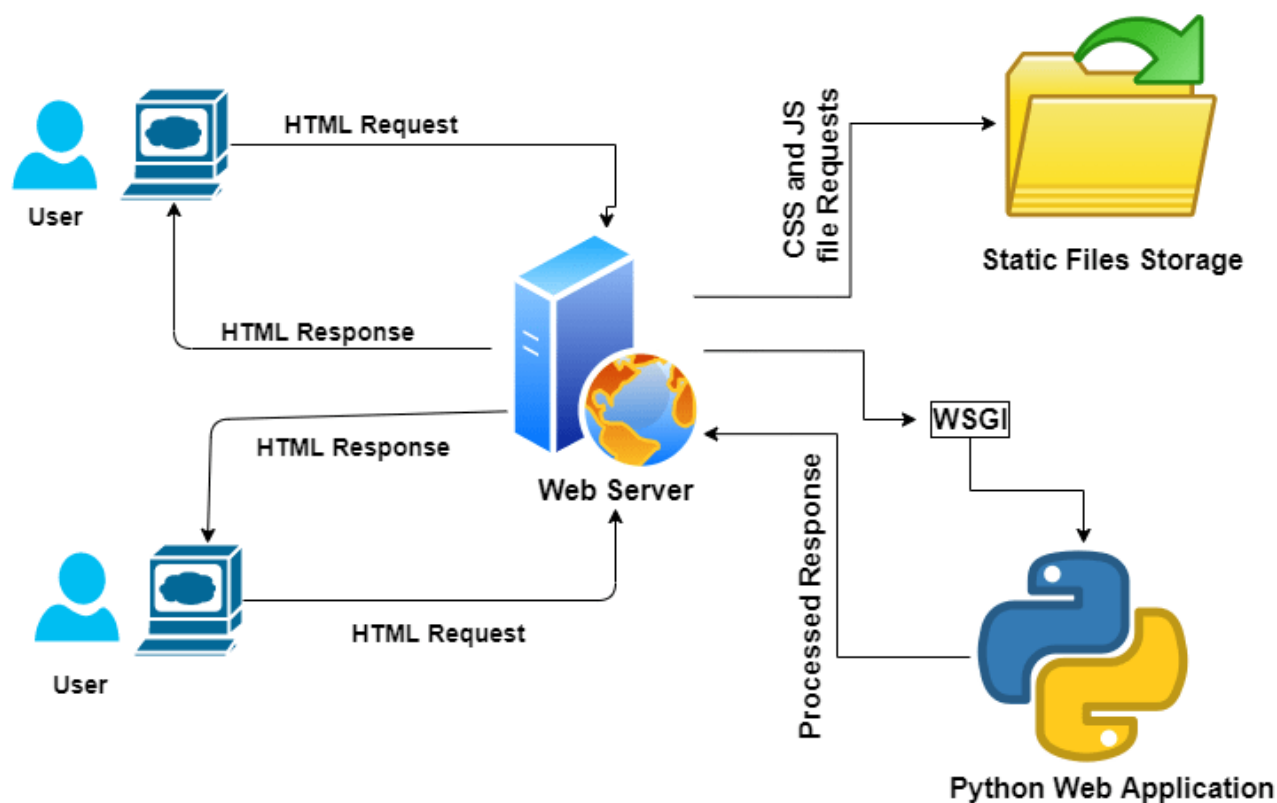


- How a PHP web site works?



- <https://www.oreilly.com/library/view/php-mysql/9781449355517/ch01.html>
- How a Python web site works?

### Typical Python Web Application Request Flow



- <https://dev.to/dev0928/how-to-deploy-python-flask-web-applications-4mh7>

- <https://flask.palletsprojects.com/en/1.1.x/deploying/>

**What are in common between PHP and Python web sites?**

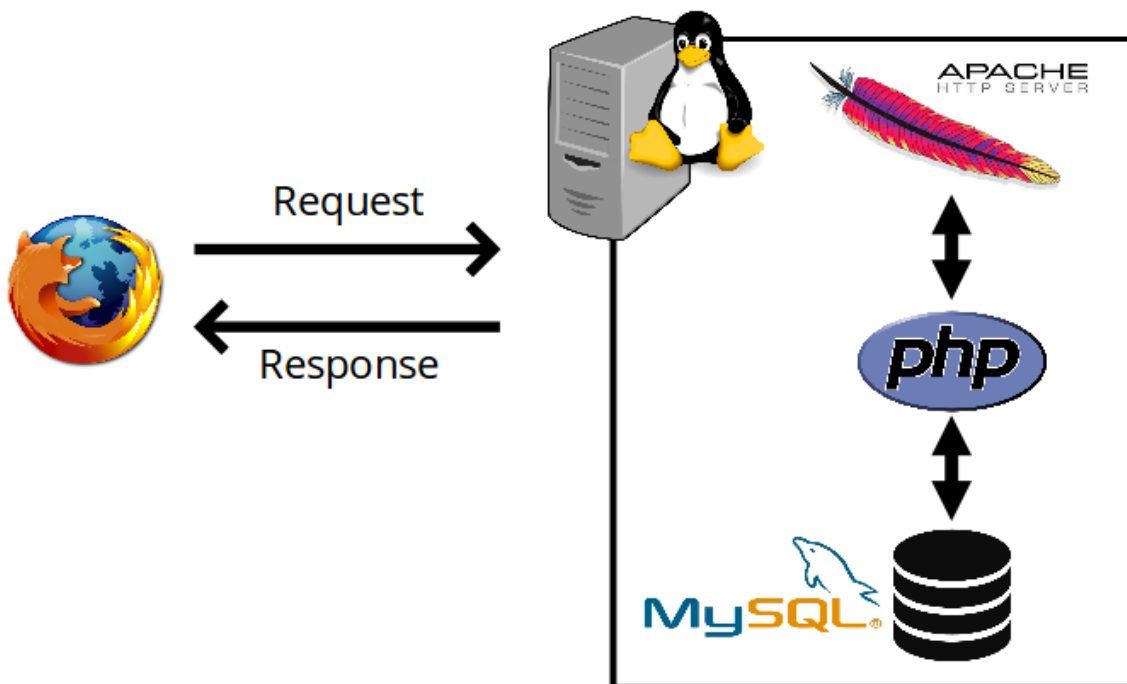
## LAMP Stack

What is LAMP?

- L = Linux ( 99+% of servers are Linux)
- A = Apache Web Server
- M = MySQL
- P = PHP / Perl / Python What are they all in common?
- They are all open source.

LAMP Architecture

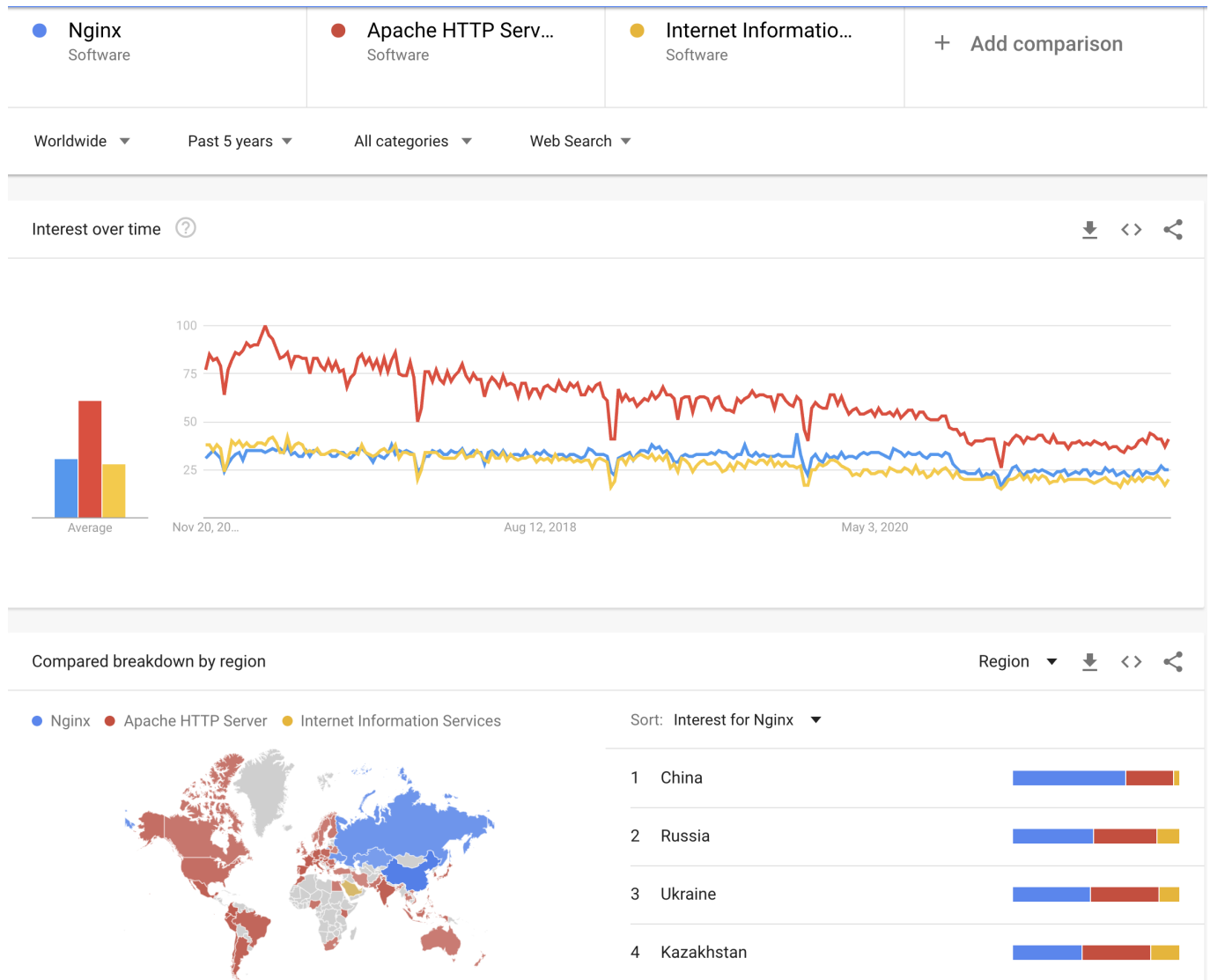
## LAMP architecture



What are the popular web servers?

- Nginx
- Apache Web Server
- IIS (Microsoft Internet Information Server)

[https://trends.google.com/trends/explore?date=today%205-y&q=%2Fm%2F02qft91,%2Fm%2F0\\_h2,%2Fm%2F02l0s7r](https://trends.google.com/trends/explore?date=today%205-y&q=%2Fm%2F02qft91,%2Fm%2F0_h2,%2Fm%2F02l0s7r)

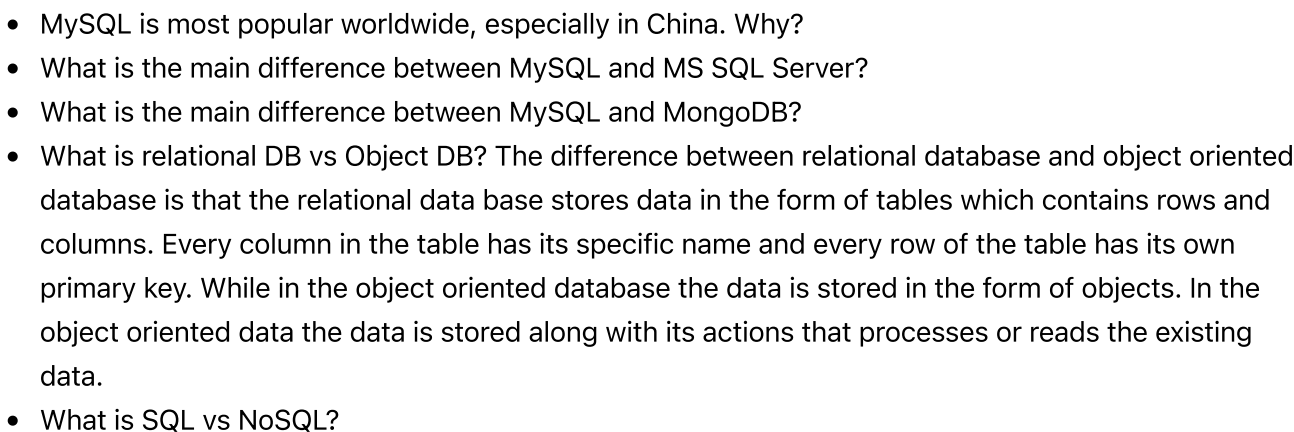


- In China, Nginx:Apache:IIS = 68:29:3
- In US, Nginx:Apache:IIS = 22:51:27
- Worldwide, Nginx:Apache:IIS = 25:41:20
- Nginx is lightweight and fast.
- China is leading the world in using Nginx

## What are the popular databases?

- MySQL.
- PostgreSQL.
- Microsoft SQL Server.
- SQLite.
- MongoDB.

<https://trends.google.com/trends/explore?date=today%205-y&q=%2Fm%2F04y3k,PostgreSQL,%2Fm%2F0120vr,%2Fm%2F01kgq9,MongoDB>



## Technologies Involved

How is it developed

How is it deployed