Stackoverflow Oriented Programming and Learning

Lin Han 460461265

Agenda

- Data: *source*, *method* and *format*

- Analysis: popularity, key knowledge and evolution

- Conclusion

Data

Data

- Source: _stackoverflow.com_, sorted in **newest** order and **most voted** order
- Method: crawling using **Scrapy**
- Format: in JSON, present information for each question

```
{"votes": ["0"], "answers": ["0"], "time_stamps": ["<span
title=\"2017-04-16 17:55:43Z\" class=\"relativetime\">8 secs ago</span>],
"tags": ["php"], "questions": ["How to get correct easter_date()],
"views": "1", "links": "43440276"}
```
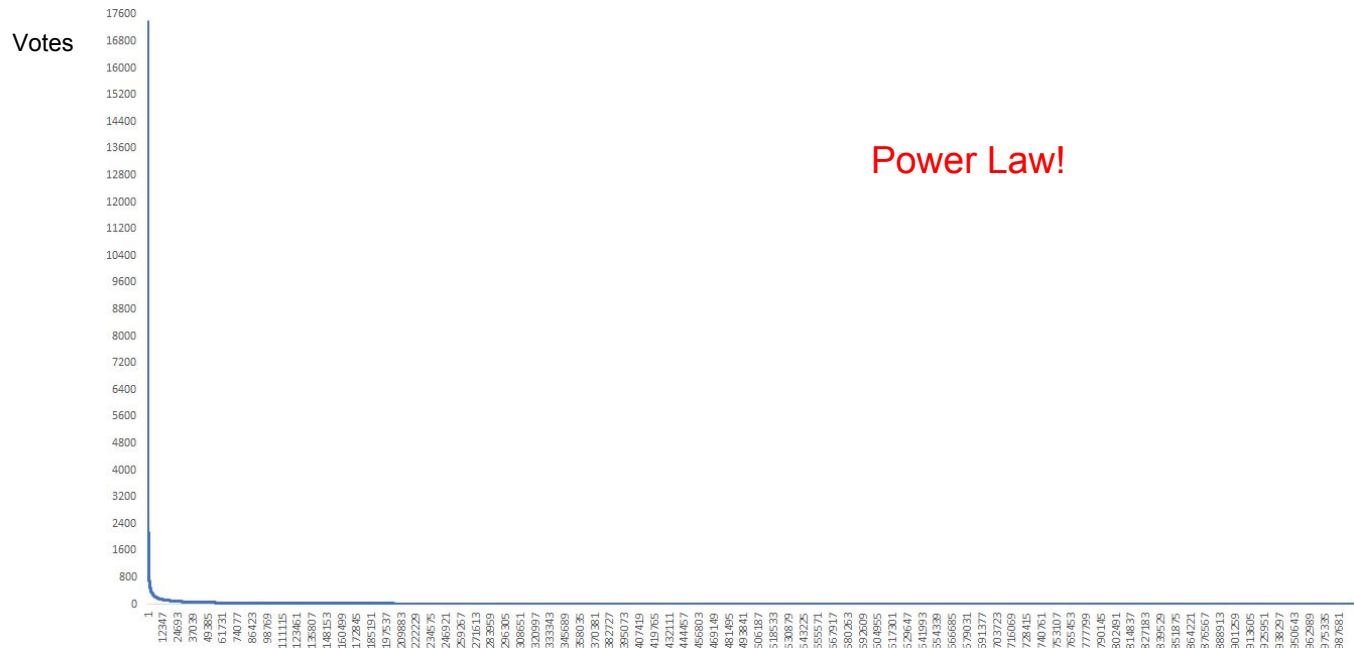
Analysis
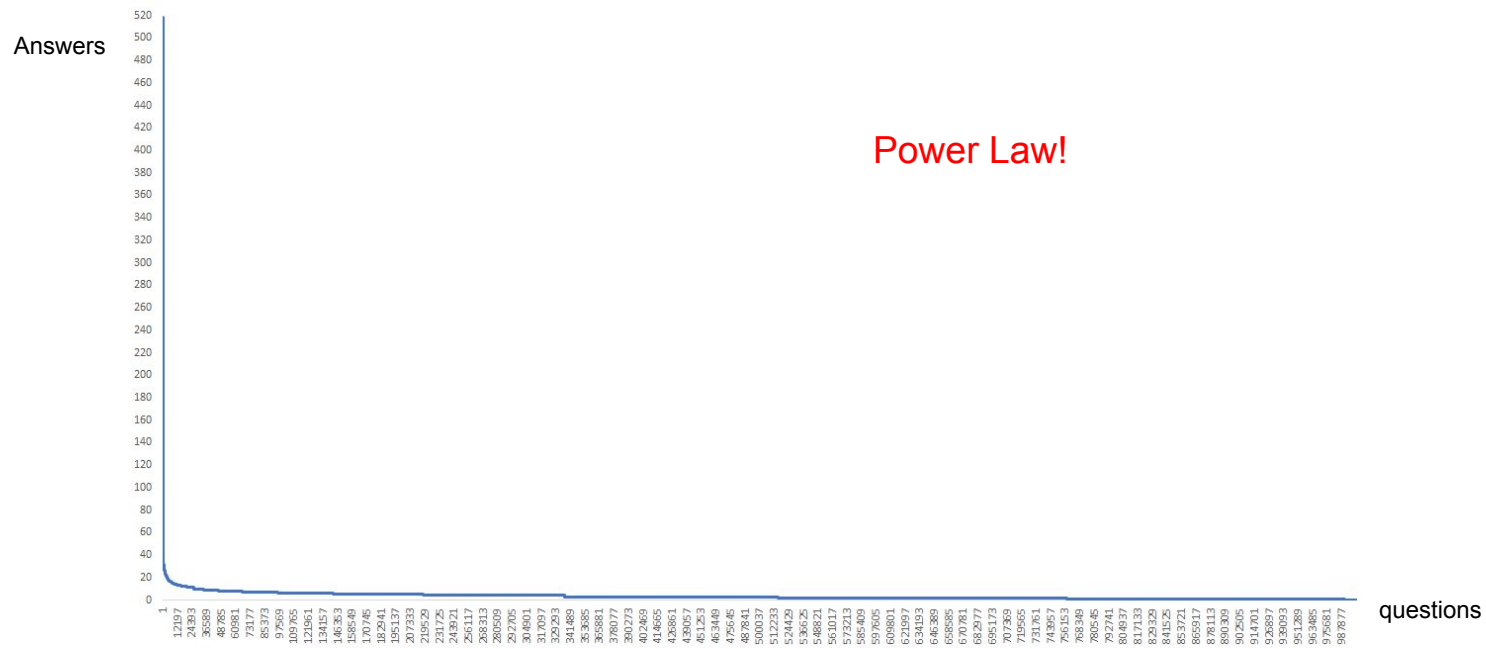
Popularity
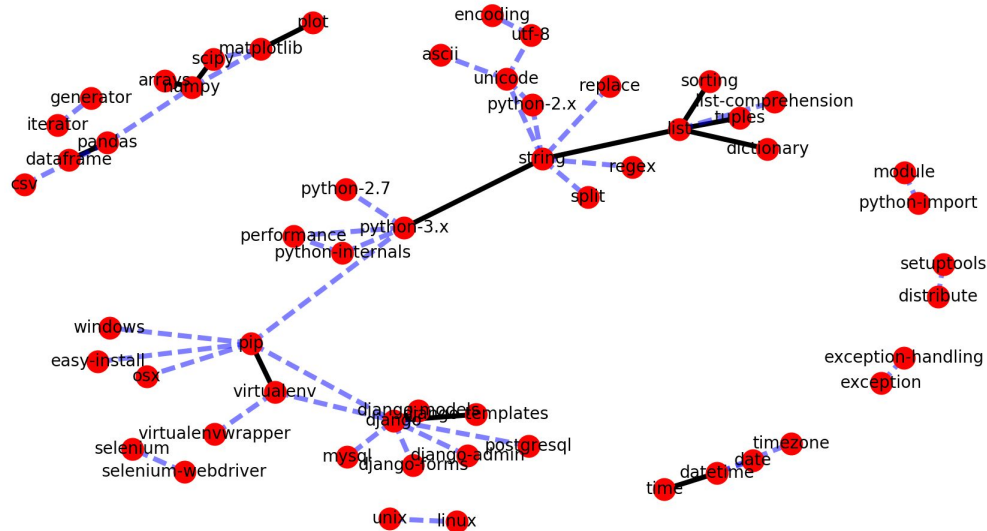
Key Knowledge

Evolution

Popularity

Votes

17600
16800
16000
15200
14400
13600
12800
12000
11200
10400
9600
8800
8000
7200
6400
5600
4800
4000
3200
2400
1600
800
0

Power Law!

questions

Popularity

Answers

Power Law!
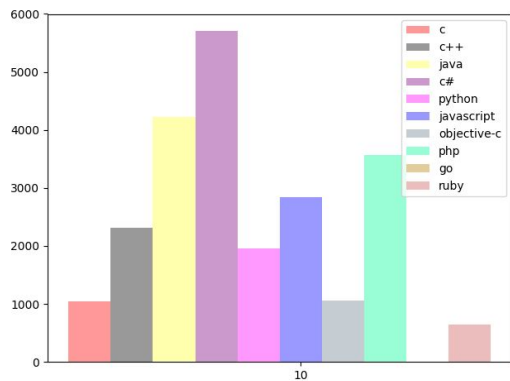
questions

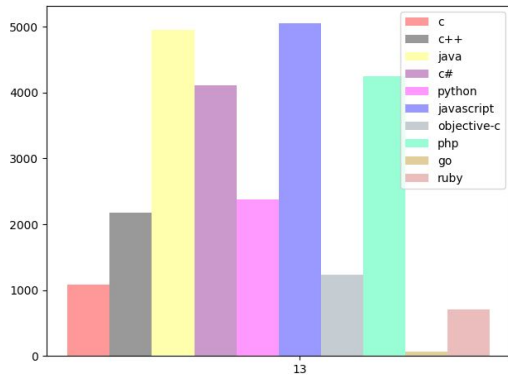# Key Knowledge

Take Python as example:
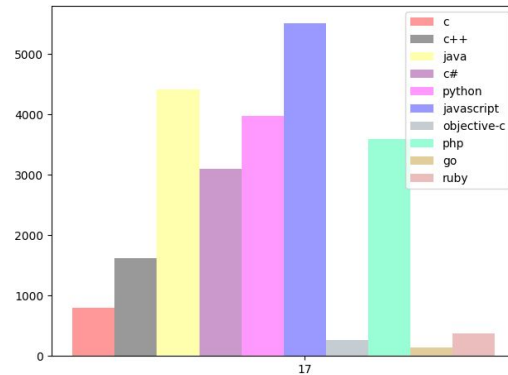
Evolution

Language evolves overtime:

2010

2013

2017

Conclusion

Conclusion

What we get:

- Overview of popularity
- Language and knowledge of high concern
- Trend and evolution of programming languages and techniques

Then we can:

- Focus
- Learn and Solve

Thank you!

Search "*stackoverflow-oriented-programming*" on GitHub
Or go to *https://github.com/HenryHK/stackoverflow-oriented-programming*