

Analysing Jobs with Python

[J O B • T E C H]

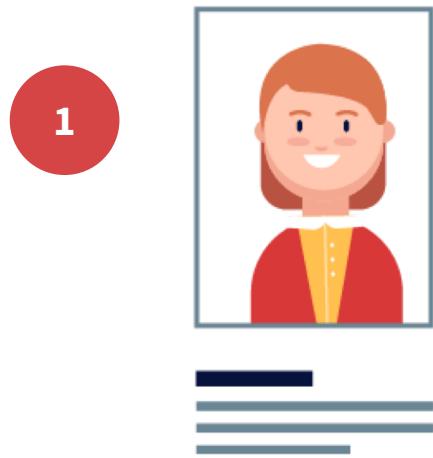
We're Connecting People to Jobs.



**Connect Right,
Connect Better**



3 Pillars of the JobTech System



Jobseeker

- Aggregate jobs from 1000s of sources
- Job Recommendations
- Skills gap analysis

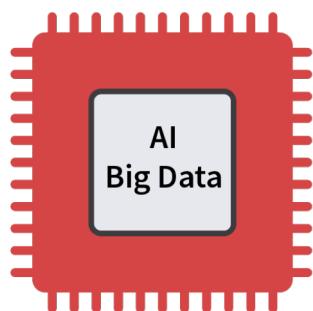
jobtech.co



Employer

- Taps on talent pool for source of candidates
- Talent recommendations vetted for quality & interest

jobtech.co/employer



3

Analytics

- Technology built over 10 years
- Semantic fingerprinting
- Insights on labour market trends and opportunities

analytics.jobtech.co

Most Sought-after Skills/Domain among Singapore's Technology Jobs Postings

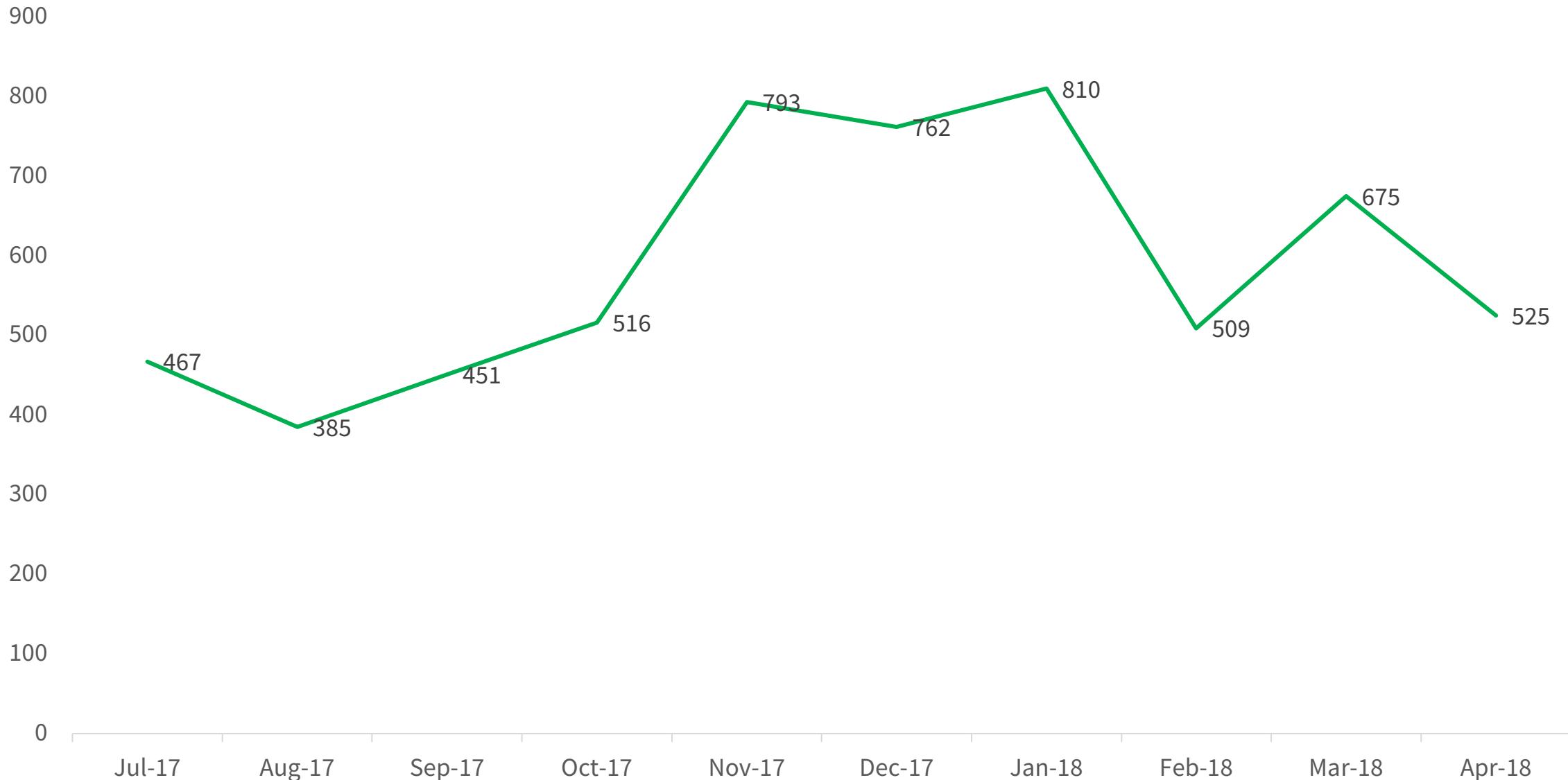
Rank	Technical Skills	Number of Jobs	Percentage of Jobs
1	Computer Science	15,846	25.8%
2	Troubleshooting	10,573	17.2%
3	Project Management	10,421	17%
4	Maintenance Management	9,471	15.4%
5	Java	8,556	13.9%
6	Data Analytics	8,256	13.5%
7	SQL	7,723	12.6%
8	Unix/Linux	7,552	12.3%
9	Software Development	7,066	11.5%
10	SOPs/Best Practices	7,061	11.5%
11	Cloud	6,141	10.0%
12	Monitoring And Evaluation	6,103	9.9%
13	Hardware	6,061	9.9%
14	Python	5,893	9.6%
15	Risk Management	5,540	9.0%
16	JavaScript	5,109	8.3%
17	Windows Server	4,989	8.1%
18	HTML4/HTML5	4,895	8.0%
19	Quality Audit/Management	4,815	7.8%
20	Configuration Management	4,713	7.7%
Total Number of Jobs Analysed		61,342	

Ranked by number of technology job postings that required these skills.

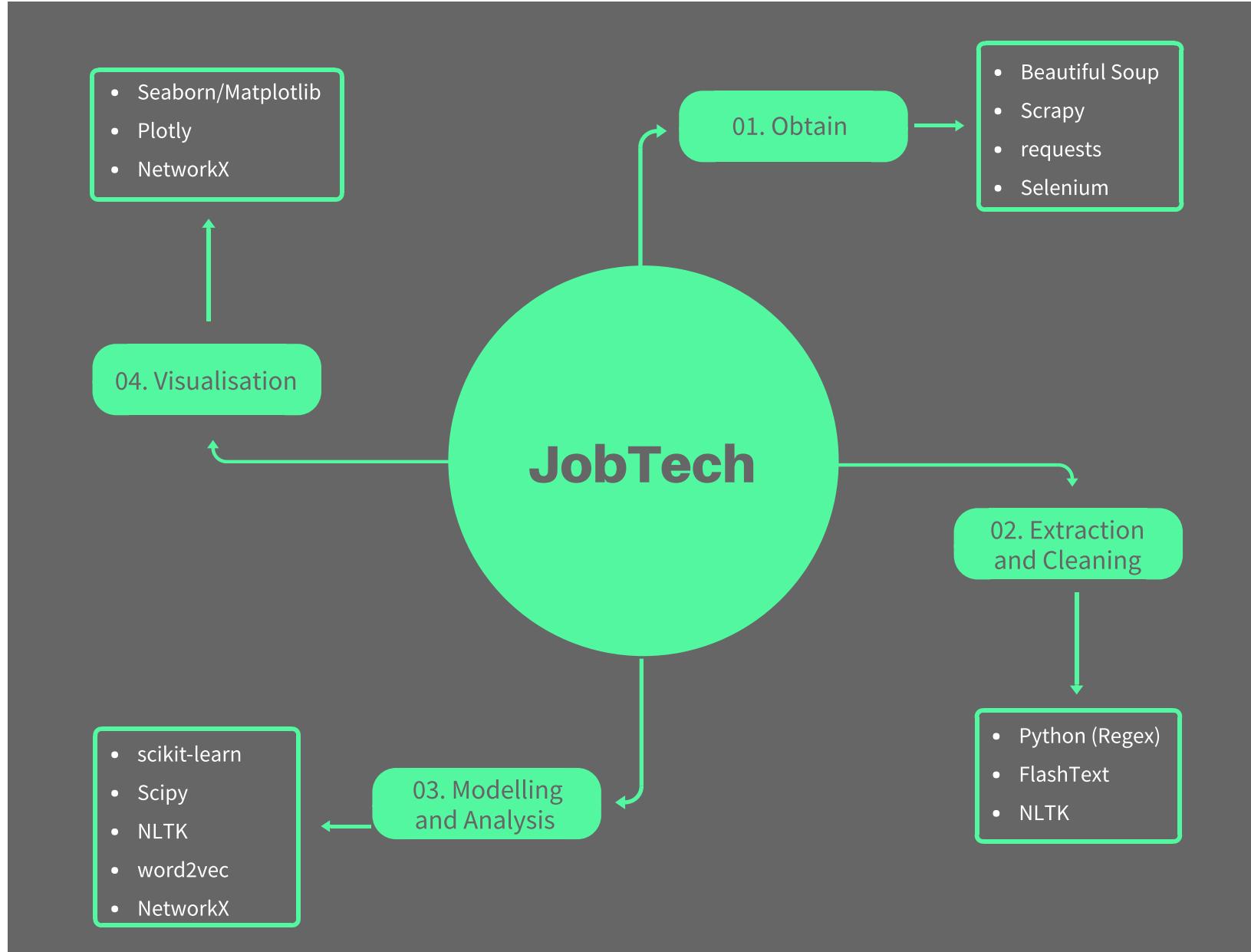
Technology jobs here are defined as jobs that involves Infocomm-Technology related tasks and responsibilities

Data Coverage: 1 Jul 2017 – 30 Apr 2018 (10 months)

Trend of Technology Job Postings Requiring Python



Python Packages We Love at JobTech



Real-time Processing of Online Jobs Data

150 MILLION

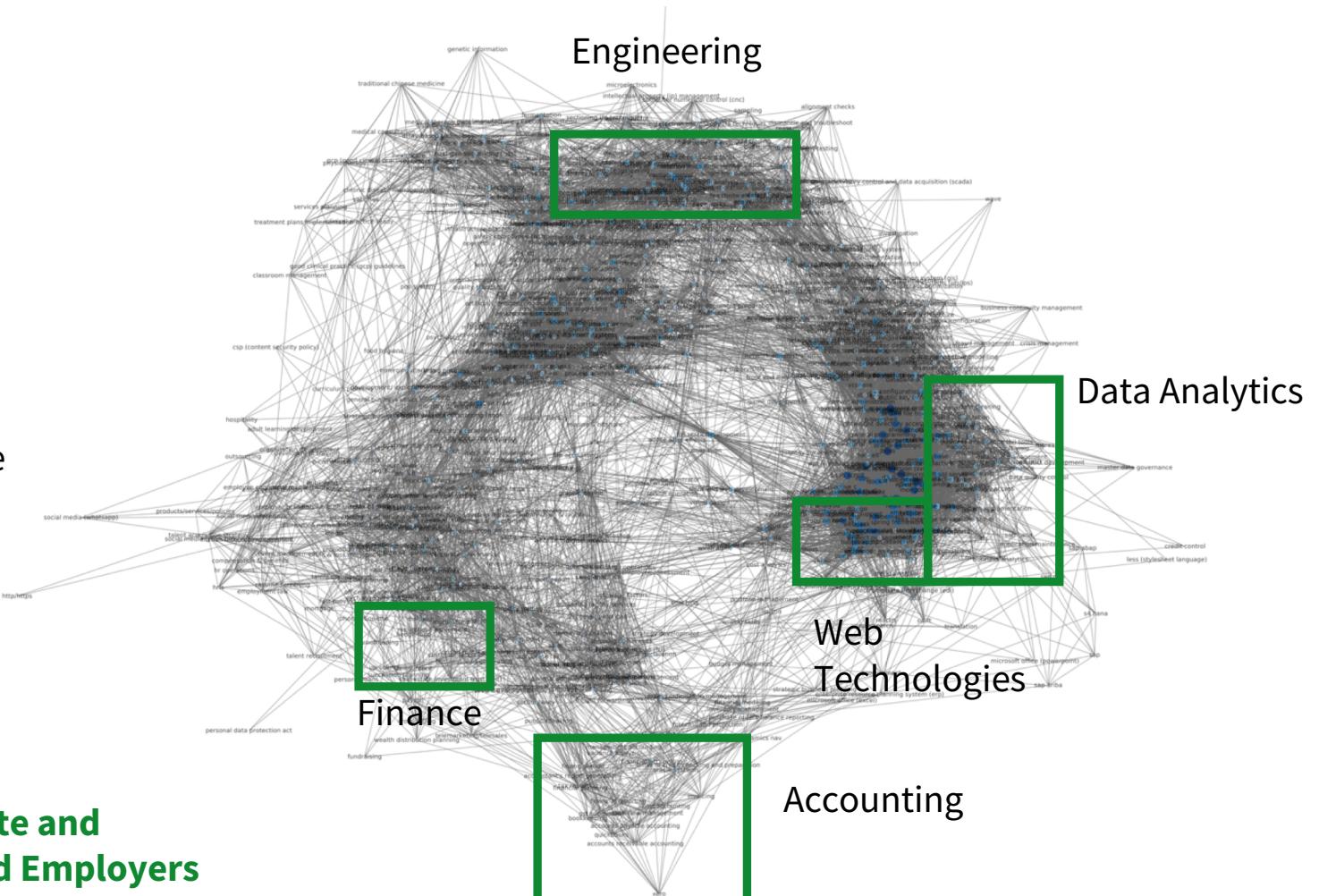
Global Job Postings.

JobTech's dynamic skills map is created from millions of job postings that are fed through the neural network every day.

Skills are automatically clustered to show where and how they connect, and the combination of skills necessary for a job.

JobTech's Dynamic Skills Map Allows Accurate and Automatic Matching Between Candidates and Employers

JobTech's Dynamic Skills Map

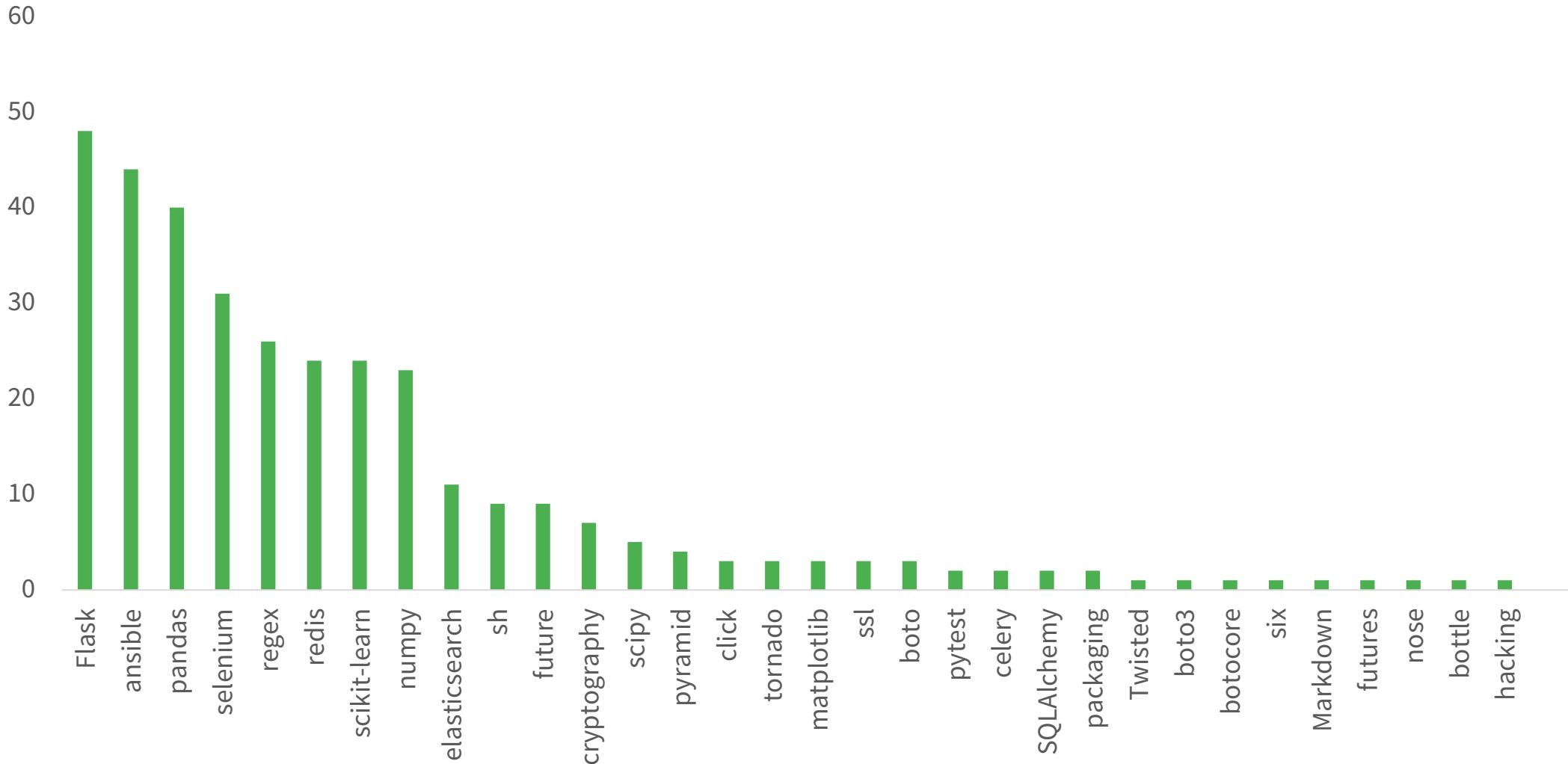


Text Extraction Walk-through

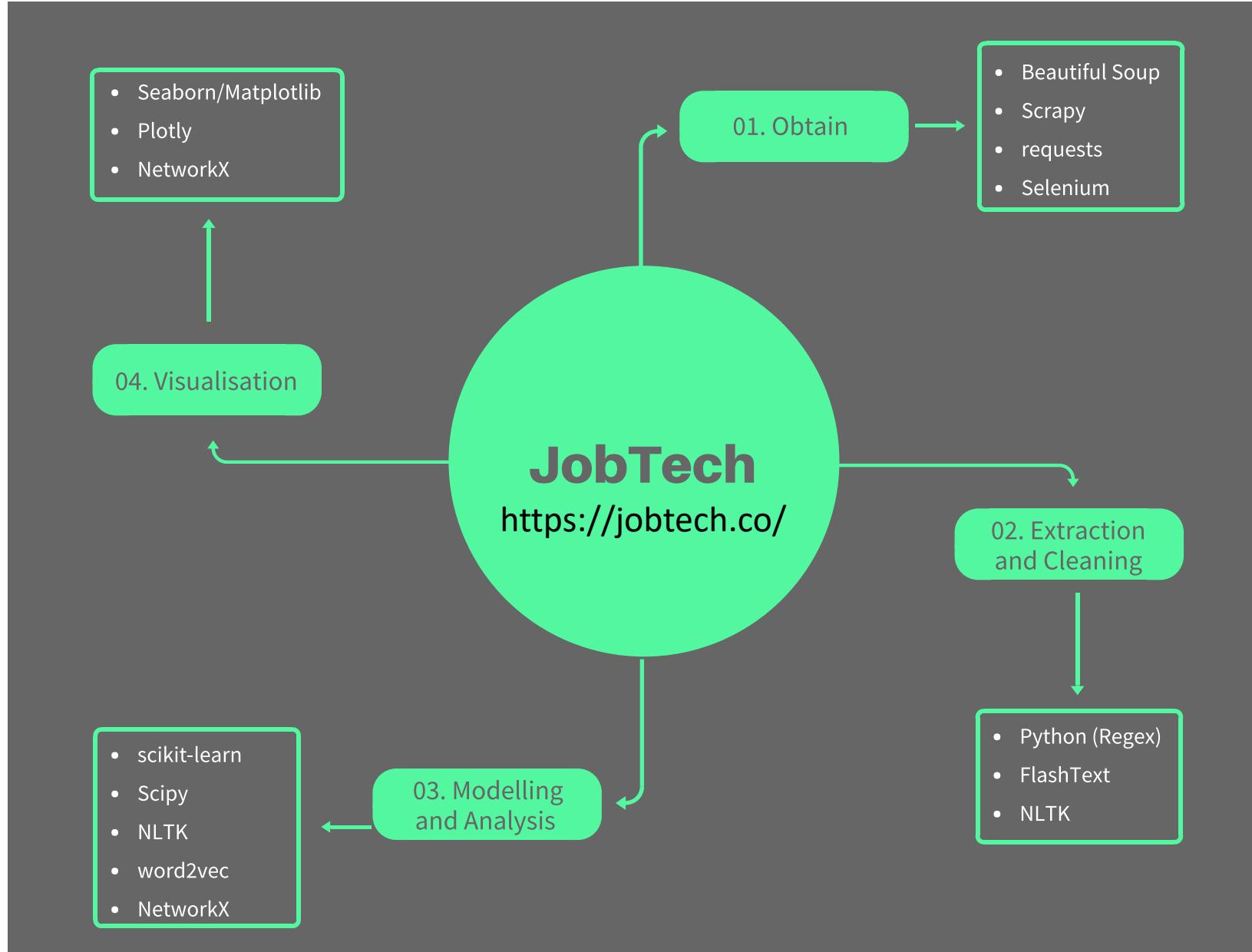
FlashText on Singapore's Online Jobs

Top Python Packages Mentions in Singapore's Online Jobs (1 Jul 2017 - Now)

Django is
top with
197
mentions!



Python Packages We Love at JobTech



**Thank you
Questions?**

weixuan@jobtech.sg