CEDEFOP - OJA - Romania (RO)

INS-RO

4/24/2019

Potential indicators from OJAs

Potential indicators from OJAs - OJV Methodological framework V1

- Number of available on-line job vacancies in a reference day
- Number of available on-line job vacancies in a reference month
- Number of newly posted on-line job vacancies in a reference day
- Number of newly posted on-line job vacancies in a reference month
- Average number of OJAs
- Percentage changes over the same period of the previous year (year on year changes) of the number of OJAs
- Percentage changes over the same period of the previous quarter (quarter on quarter changes) of the number of OJAs
- Number of available on-line job vacancies at the JVs reference day
- Daily pseudo-stocks of job ads based on CEDEFOP data

Pseudo-stocks of job ads based on CEDEFOP data

- Number of web scraped on-line job vacancies in a reference day
- Number of web scraped on-line job vacancies in a reference month
- Number of monthly OJAs by ESCO level 2

About the collected data

Country identification and sample size

Data for Romania refers to all observations in the BDTI Cedefop database 525511.
Observations total, for which 'sourcecountry' == RO 461124.
Of these, 427107 are distinct (not duplicate) observationsm by 'general_id'.

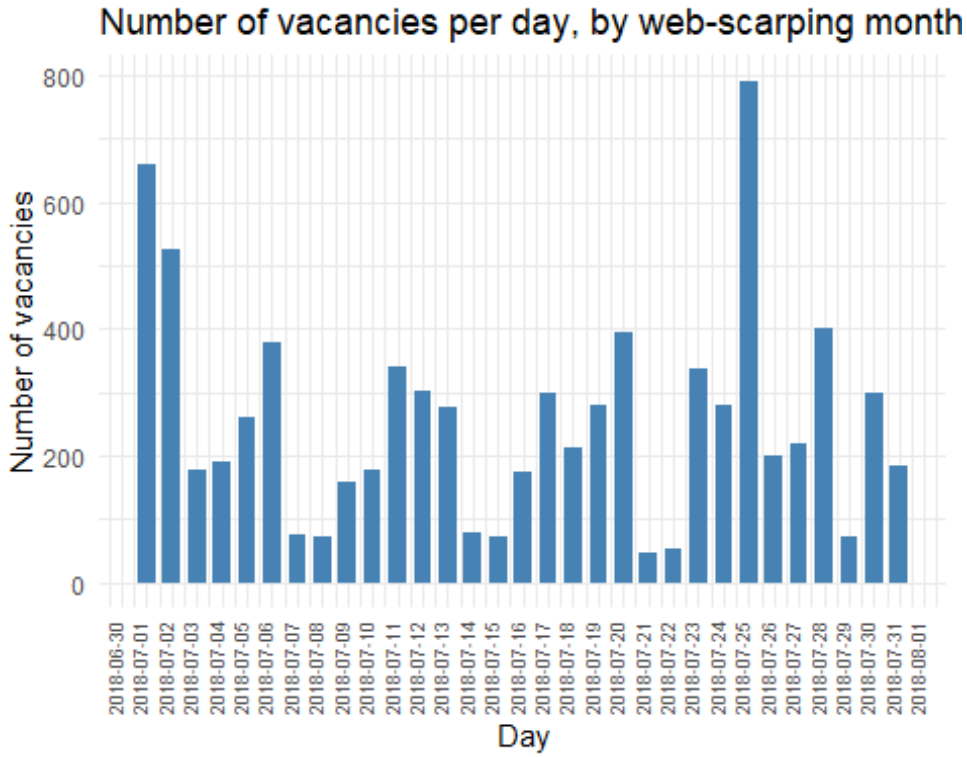
Dates and times of observations

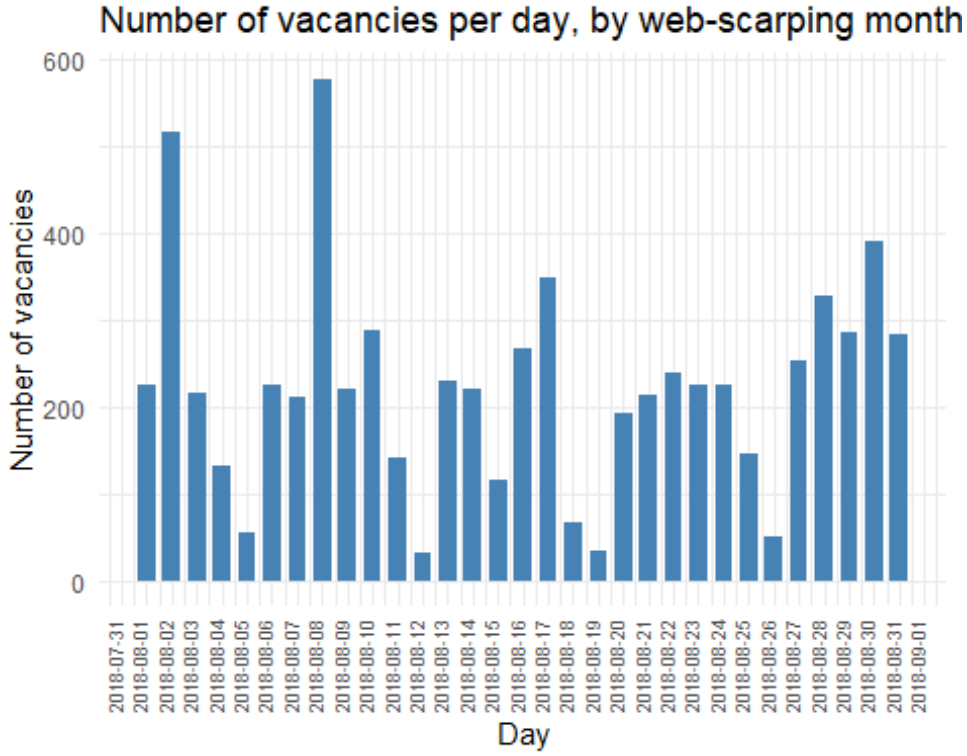
The interval in which the ads were collected: 2018-07-01 - 2019-06-30.

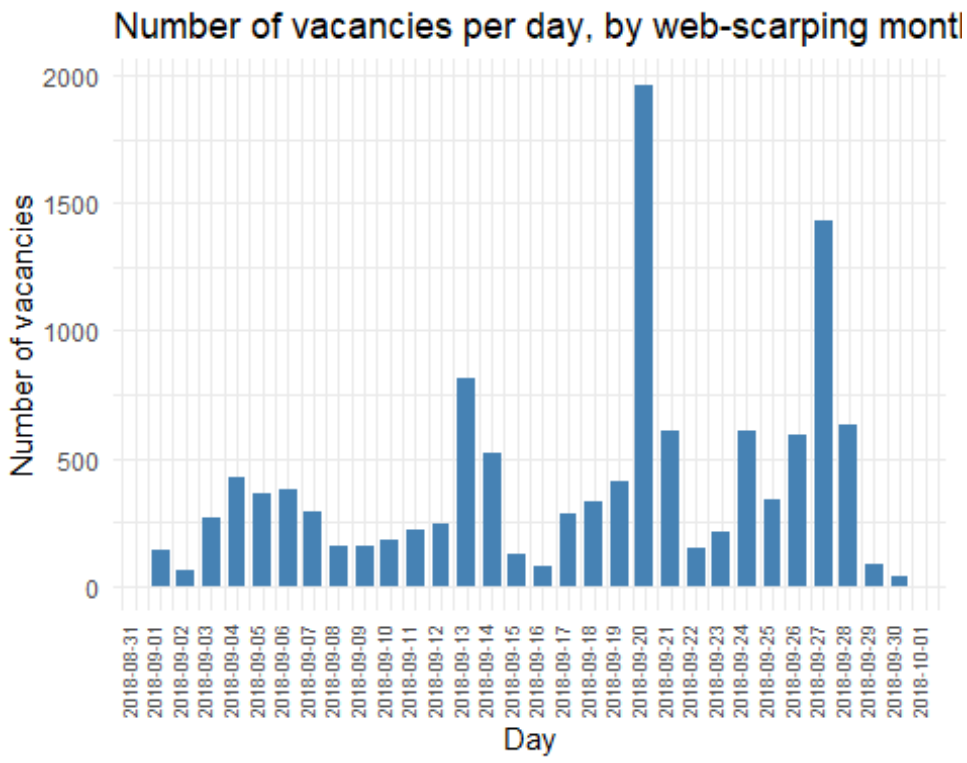
32 ads were already expired by the time they were collected, according to the variable 'expire_date' vs. 'grab_date', and were dropped from the sample.

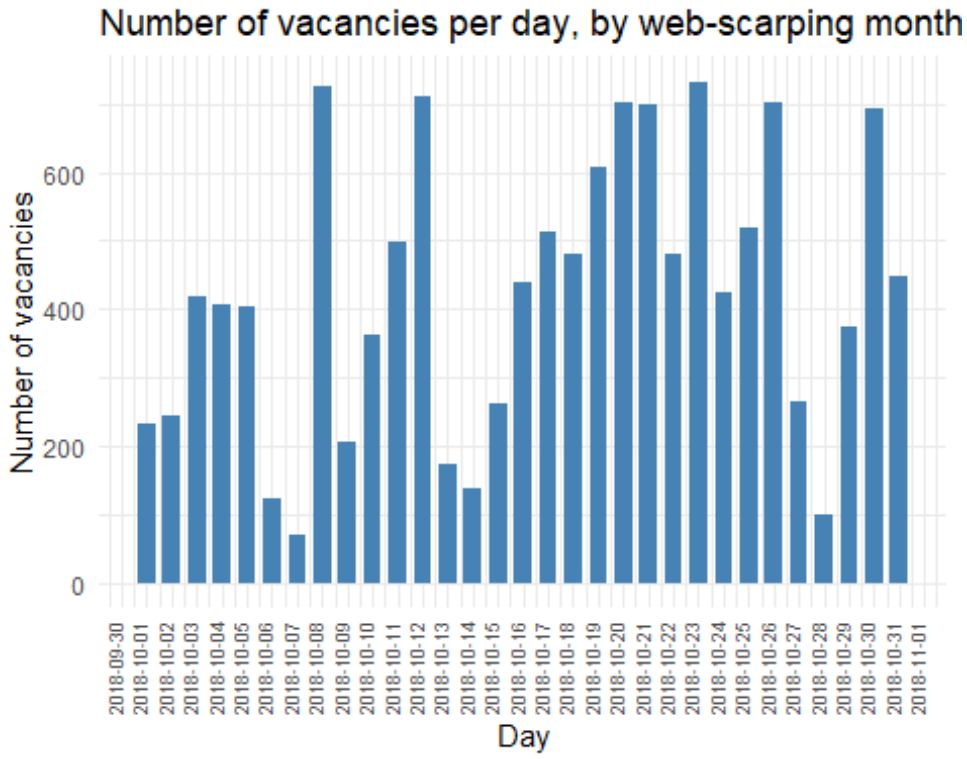
Results for Potential indicators from OJAs

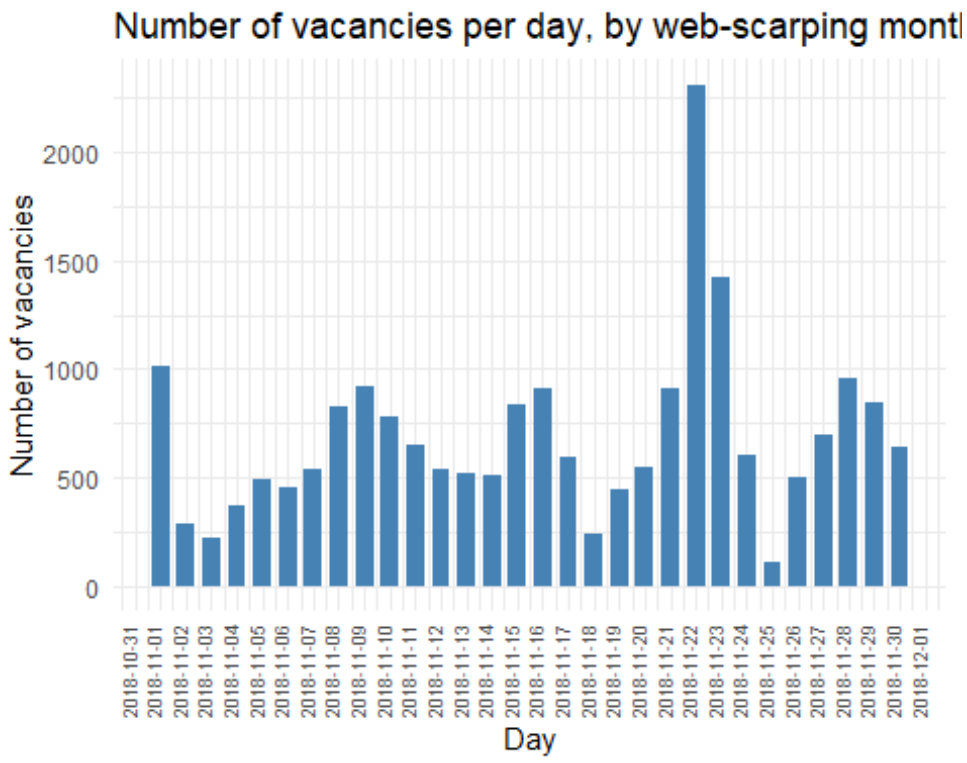
Number of available on-line job vacancies in a reference day

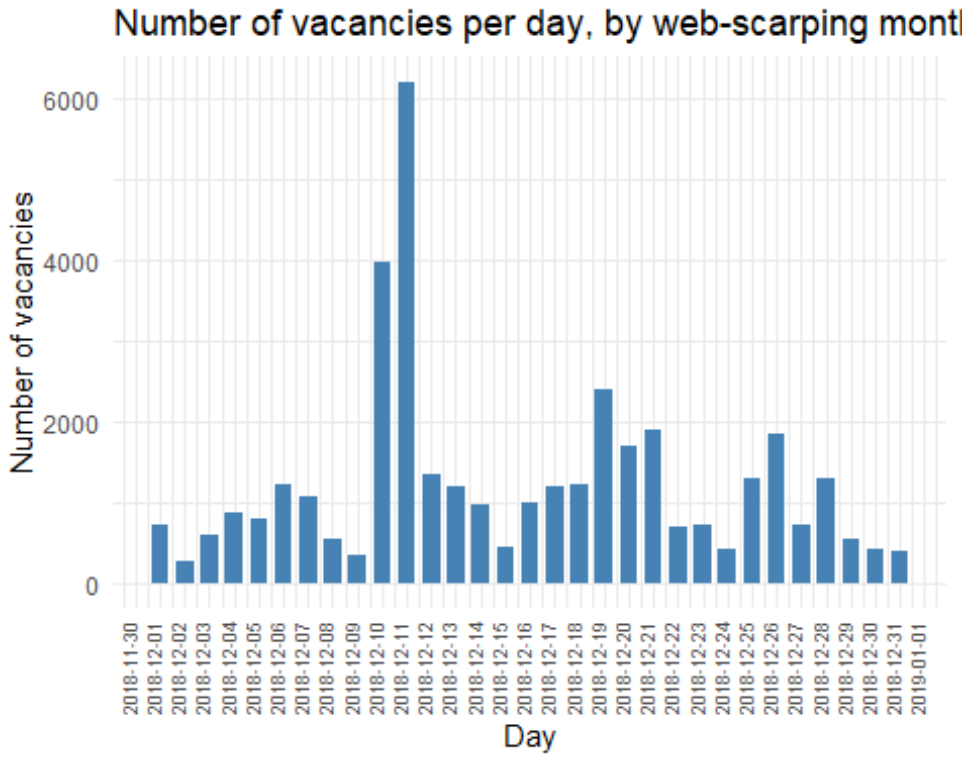


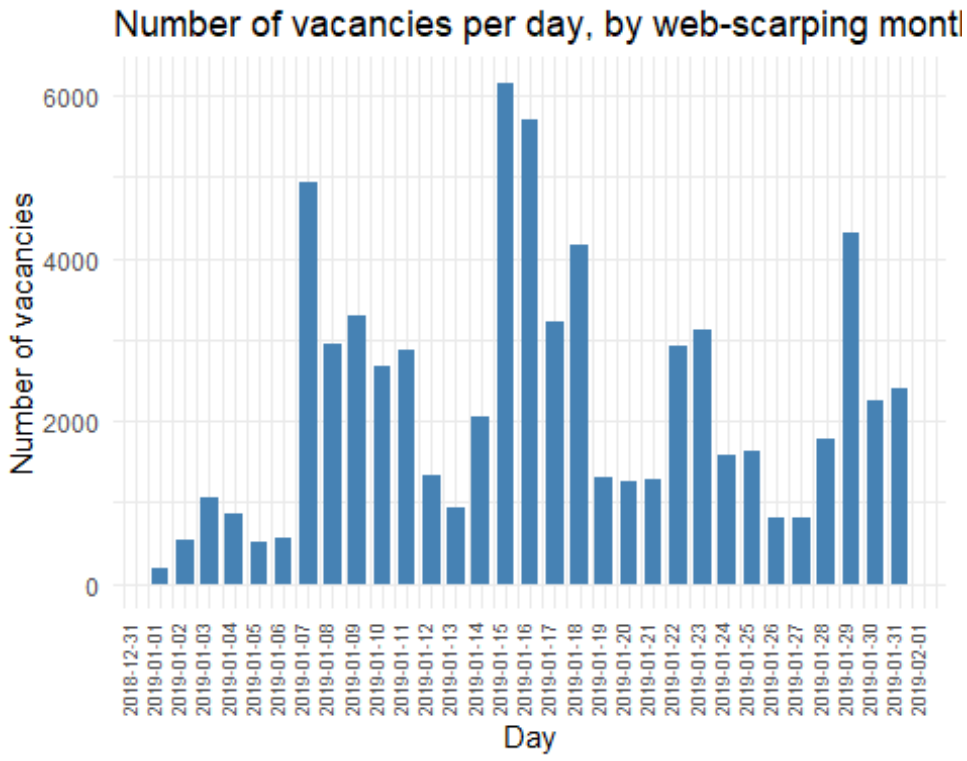


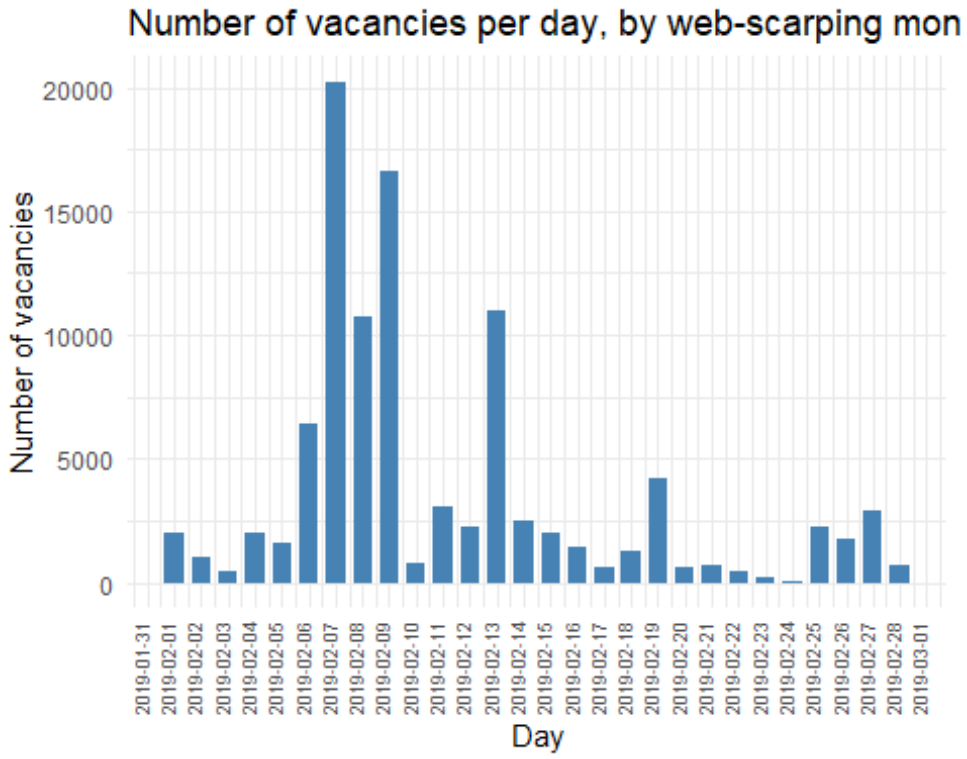

Number of vacancies per day, by web-scarping mont
Number of vacancies
2000
1500
1000
500
0
2018-08-31
2018-09-01
2018-09-02
2018-09-03
2018-09-04
2018-09-05
2018-09-06
2018-09-07
2018-09-08
2018-09-09
2018-09-10
2018-09-11
2018-09-12
2018-09-13
2018-09-14
2018-09-15
2018-09-16
2018-09-17
2018-09-18
2018-09-19
2018-09-20
2018-09-21
2018-09-22
2018-09-23
2018-09-24
2018-09-25
2018-09-26
2018-09-27
2018-09-28
2018-09-29
2018-09-30
2018-10-01
Day

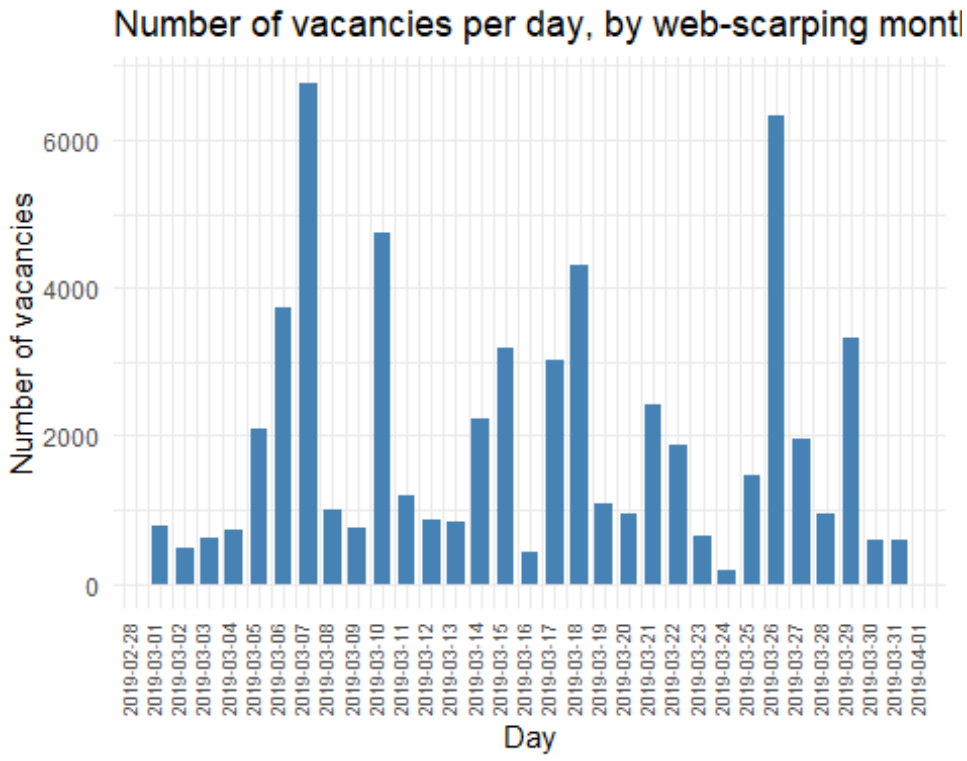

Number of vacancies per day, by web-scarping month
Number of vacancies
600
400
200
0
2018-09-30
2018-10-01
2018-10-02
2018-10-03
2018-10-04
2018-10-05
2018-10-06
2018-10-07
2018-10-08
2018-10-09
2018-10-10
2018-10-11
2018-10-12
2018-10-13
2018-10-14
2018-10-15
2018-10-16
2018-10-17
2018-10-18
2018-10-19
2018-10-20
2018-10-21
2018-10-22
2018-10-23
2018-10-24
2018-10-25
2018-10-26
2018-10-27
2018-10-28
2018-10-29
2018-10-30
2018-10-31
2018-11-01
Day

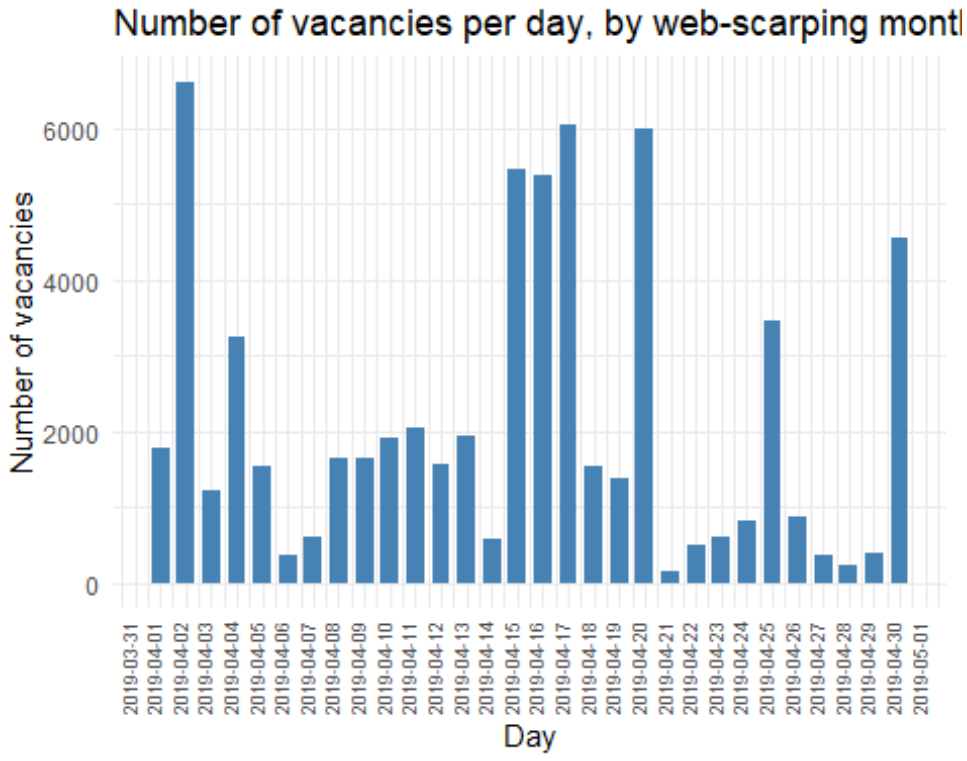

Number of vacancies per day, by web-scarping monti
Number of vacancies
2000
1500
1000
500
0
2018-10-31
2018-11-01
2018-11-02
2018-11-03
2018-11-04
2018-11-05
2018-11-06
2018-11-07
2018-11-08
2018-11-09
2018-11-10
2018-11-11
2018-11-12
2018-11-13
2018-11-14
2018-11-15
2018-11-16
2018-11-17
2018-11-18
2018-11-19
2018-11-20
2018-11-21
2018-11-22
2018-11-23
2018-11-24
2018-11-25
2018-11-26
2018-11-27
2018-11-28
2018-11-29
2018-11-30
2018-12-01
Day

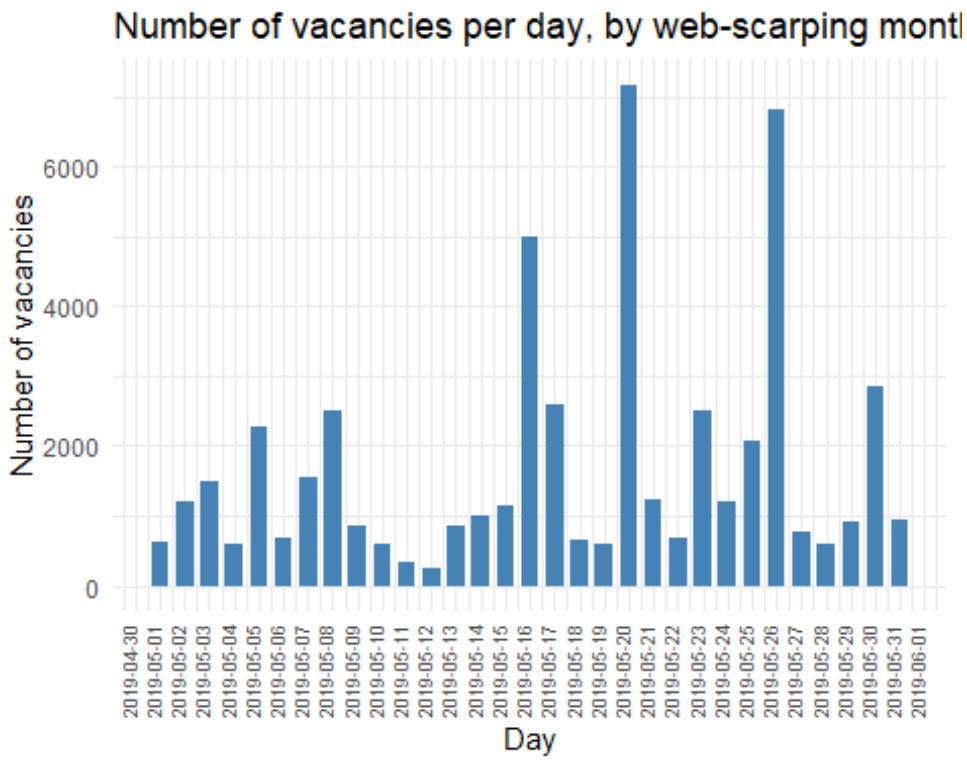

Number of vacancies per day, by web-scarping monti
Number of vacancies
6000
4000
2000
0
2018-11-30
2018-12-01
2018-12-02
2018-12-03
2018-12-04
2018-12-05
2018-12-06
2018-12-07
2018-12-08
2018-12-09
2018-12-10
2018-12-11
2018-12-12
2018-12-13
2018-12-14
2018-12-15
2018-12-16
2018-12-17
2018-12-18
2018-12-19
2018-12-20
2018-12-21
2018-12-22
2018-12-23
2018-12-24
2018-12-25
2018-12-26
2018-12-27
2018-12-28
2018-12-29
2018-12-30
2018-12-31
2019-01-01
Day

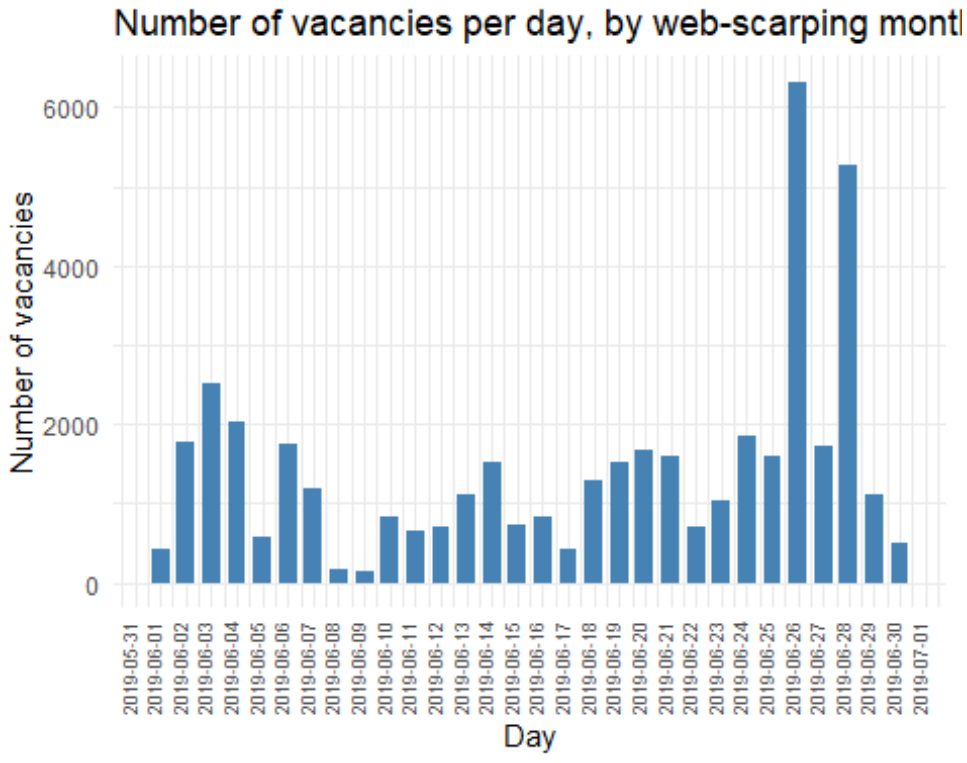

Number of vacancies per day, by web-scarping mont
Number of vacancies
6000
4000
2000
0
2018-12-31
2019-01-01
2019-01-02
2019-01-03
2019-01-04
2019-01-05
2019-01-06
2019-01-07
2019-01-08
2019-01-09
2019-01-10
2019-01-11
2019-01-12
2019-01-13
2019-01-14
2019-01-15
2019-01-16
2019-01-17
2019-01-18
2019-01-19
2019-01-20
2019-01-21
2019-01-22
2019-01-23
2019-01-24
2019-01-25
2019-01-26
2019-01-27
2019-01-28
2019-01-29
2019-01-30
2019-01-31
2019-02-01
Day


Number of vacancies per day, by web-scarping mon
Number of vacancies
20000
15000
10000
5000
0
2019-01-31
2019-02-01
2019-02-02
2019-02-03
2019-02-04
2019-02-05
2019-02-06
2019-02-07
2019-02-08
2019-02-09
2019-02-10
2019-02-11
2019-02-12
2019-02-13
2019-02-14
2019-02-15
2019-02-16
2019-02-17
2019-02-18
2019-02-19
2019-02-20
2019-02-21
2019-02-22
2019-02-23
2019-02-24
2019-02-25
2019-02-26
2019-02-27
2019-02-28
2019-03-01
Day

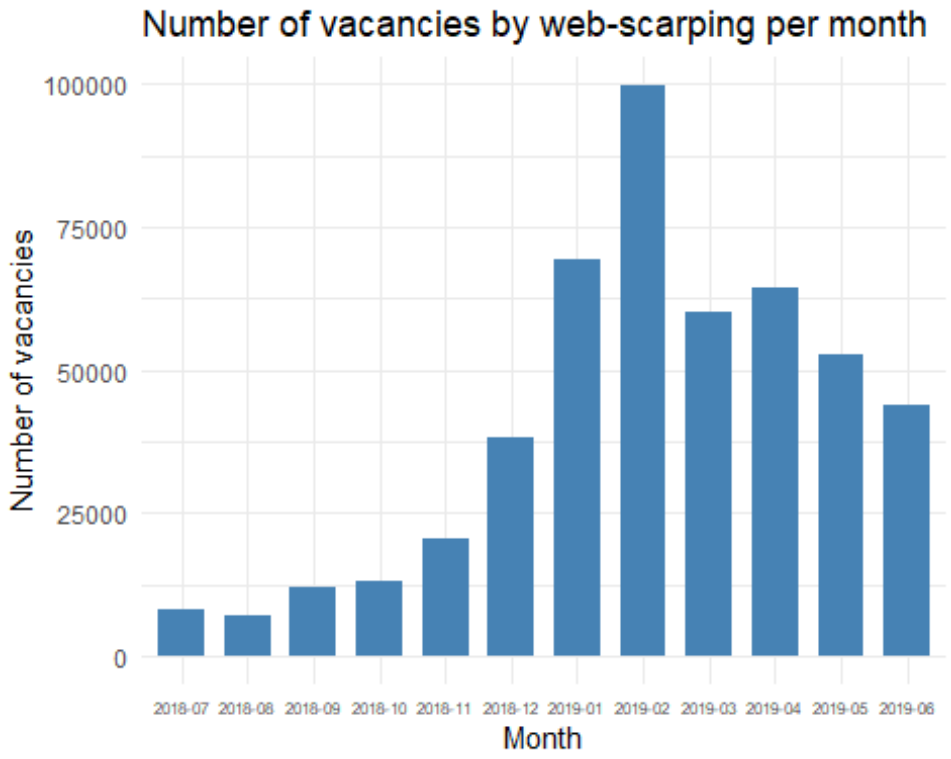

Number of vacancies per day, by web-scarping monti
Number of vacancies
6000
4000
2000
0
2019-02-28
2019-03-01
2019-03-02
2019-03-03
2019-03-04
2019-03-05
2019-03-06
2019-03-07
2019-03-08
2019-03-09
2019-03-10
2019-03-11
2019-03-12
2019-03-13
2019-03-14
2019-03-15
2019-03-16
2019-03-17
2019-03-18
2019-03-19
2019-03-20
2019-03-21
2019-03-22
2019-03-23
2019-03-24
2019-03-25
2019-03-26
2019-03-27
2019-03-28
2019-03-29
2019-03-30
2019-03-31
2019-04-01
Day


Number of vacancies per day, by web-scarping monti
Number of vacancies
6000
4000
2000
0
2019-03-31
2019-04-01
2019-04-02
2019-04-03
2019-04-04
2019-04-05
2019-04-06
2019-04-07
2019-04-08
2019-04-09
2019-04-10
2019-04-11
2019-04-12
2019-04-13
2019-04-14
2019-04-15
2019-04-16
2019-04-17
2019-04-18
2019-04-19
2019-04-20
2019-04-21
2019-04-22
2019-04-23
2019-04-24
2019-04-25
2019-04-26
2019-04-27
2019-04-28
2019-04-29
2019-04-30
2019-05-01
Day

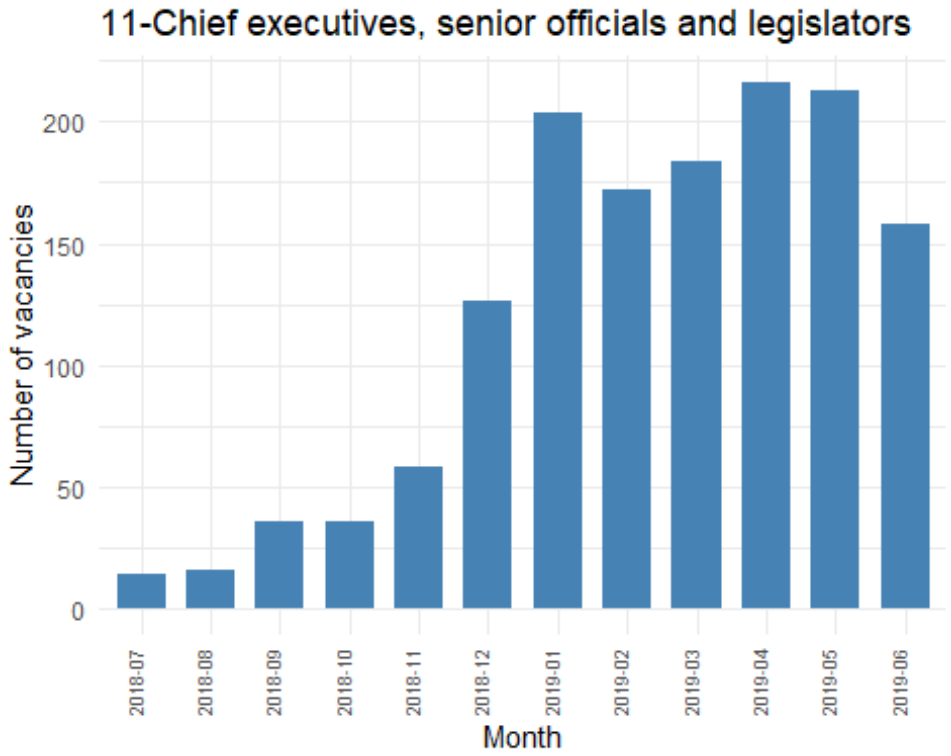

Number of vacancies per day, by web-scarping monti
Number of vacancies
6000
4000
2000
0
2019-04-30
2019-05-01
2019-05-02
2019-05-03
2019-05-04
2019-05-05
2019-05-06
2019-05-07
2019-05-08
2019-05-09
2019-05-10
2019-05-11
2019-05-12
2019-05-13
2019-05-14
2019-05-15
2019-05-16
2019-05-17
2019-05-18
2019-05-19
2019-05-20
2019-05-21
2019-05-22
2019-05-23
2019-05-24
2019-05-25
2019-05-26
2019-05-27
2019-05-28
2019-05-29
2019-05-30
2019-05-31
2019-06-01
Day

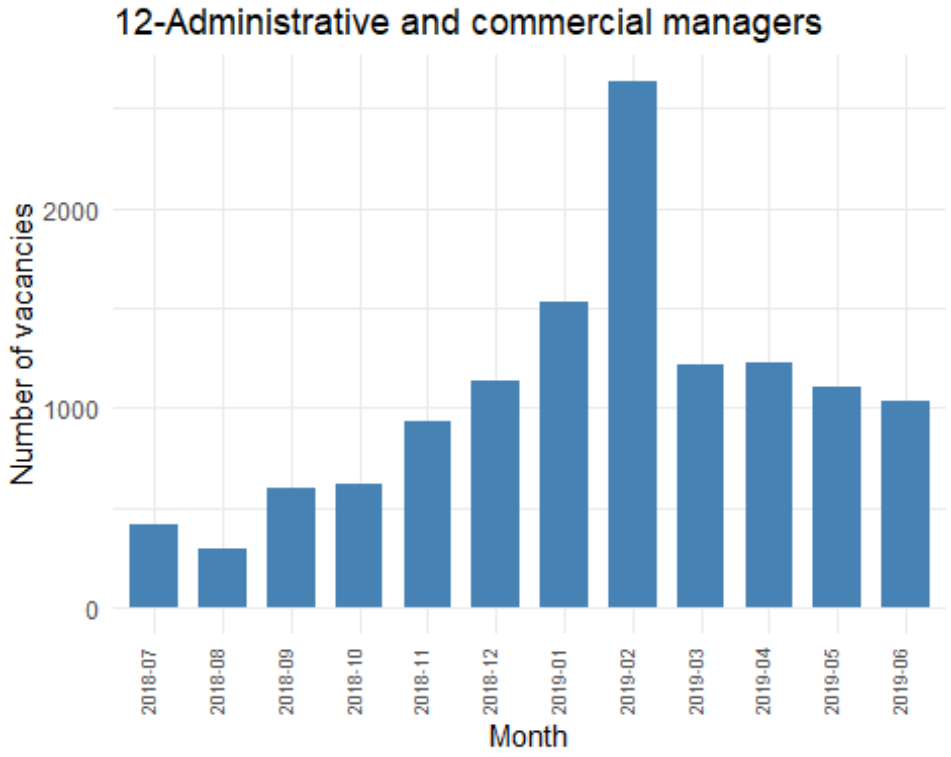

Number of vacancies per day, by web-scarping monti
Number of vacancies
6000
4000
2000
0
2019-05-31
2019-06-01
2019-06-02
2019-06-03
2019-06-04
2019-06-05
2019-06-06
2019-06-07
2019-06-08
2019-06-09
2019-06-10
2019-06-11
2019-06-12
2019-06-13
2019-06-14
2019-06-15
2019-06-16
2019-06-17
2019-06-18
2019-06-19
2019-06-20
2019-06-21
2019-06-22
2019-06-23
2019-06-24
2019-06-25
2019-06-26
2019-06-27
2019-06-28
2019-06-29
2019-06-30
2019-07-01
Day

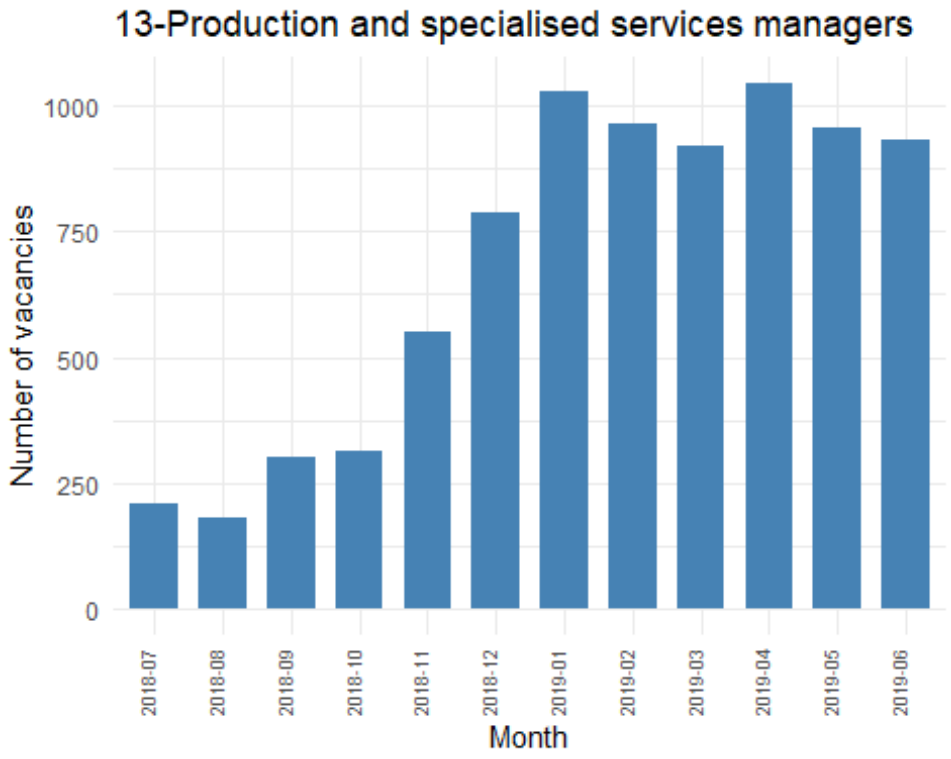
Number of available on-line job vacancies in a reference month



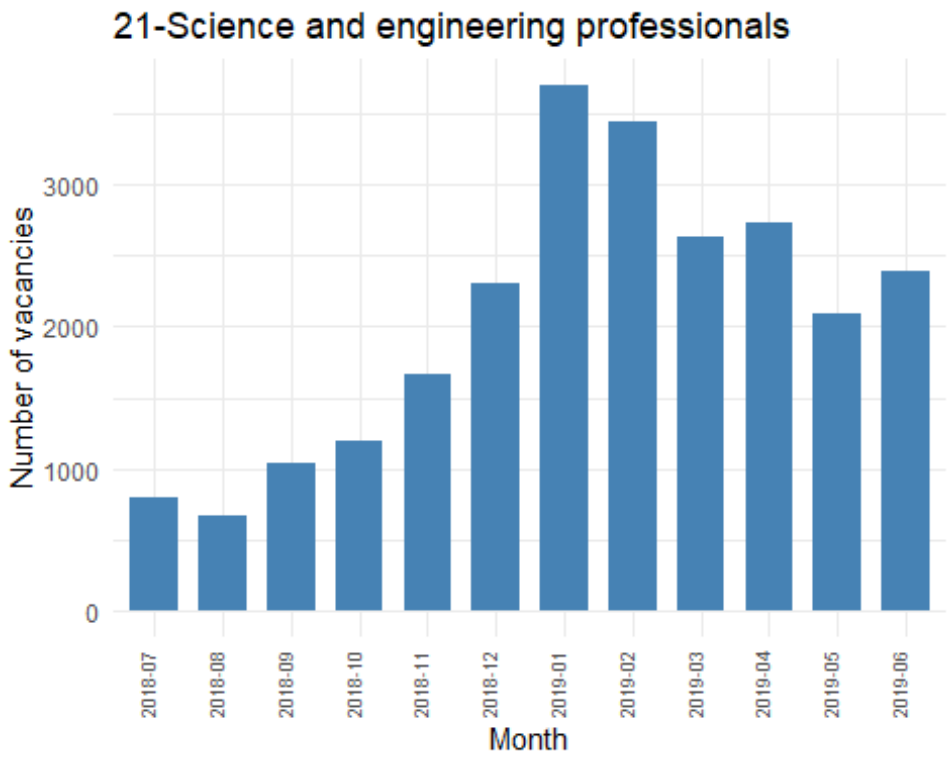
Number of OJAs web scraped monthly by ESCO level 2

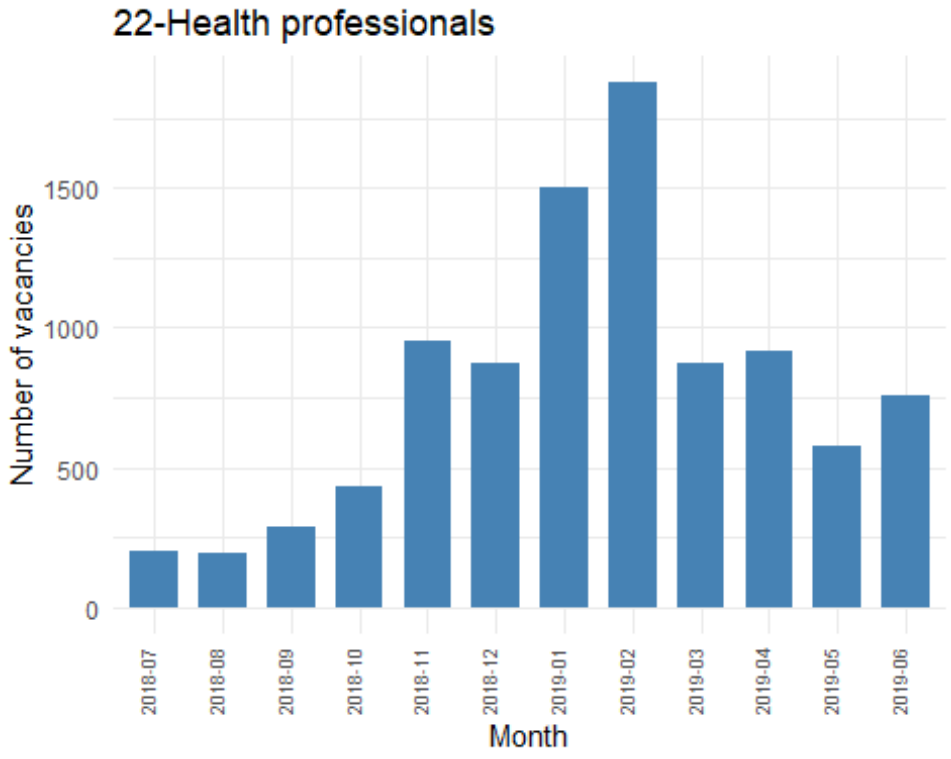


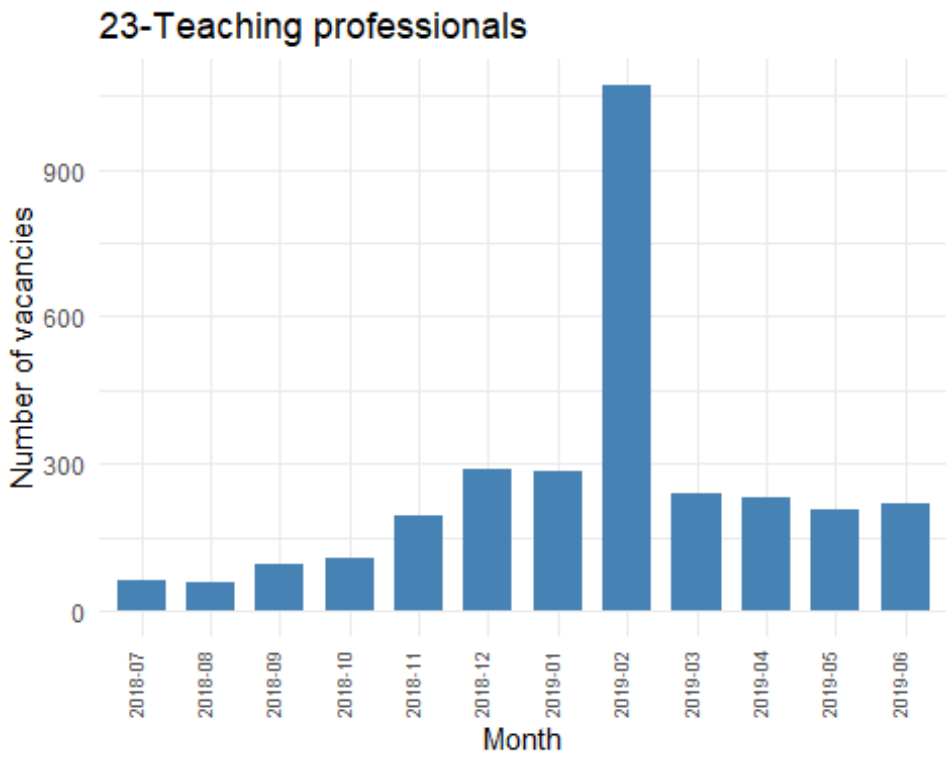


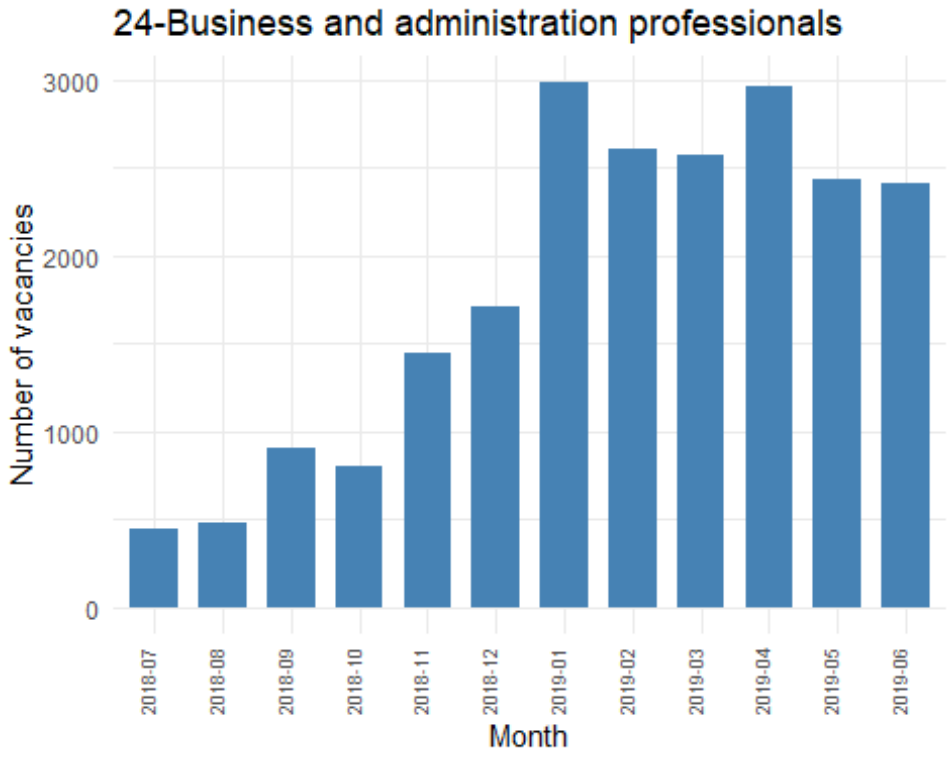

13-Production and specialised services managers
Number of vacancies
0
250
500
750
1000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

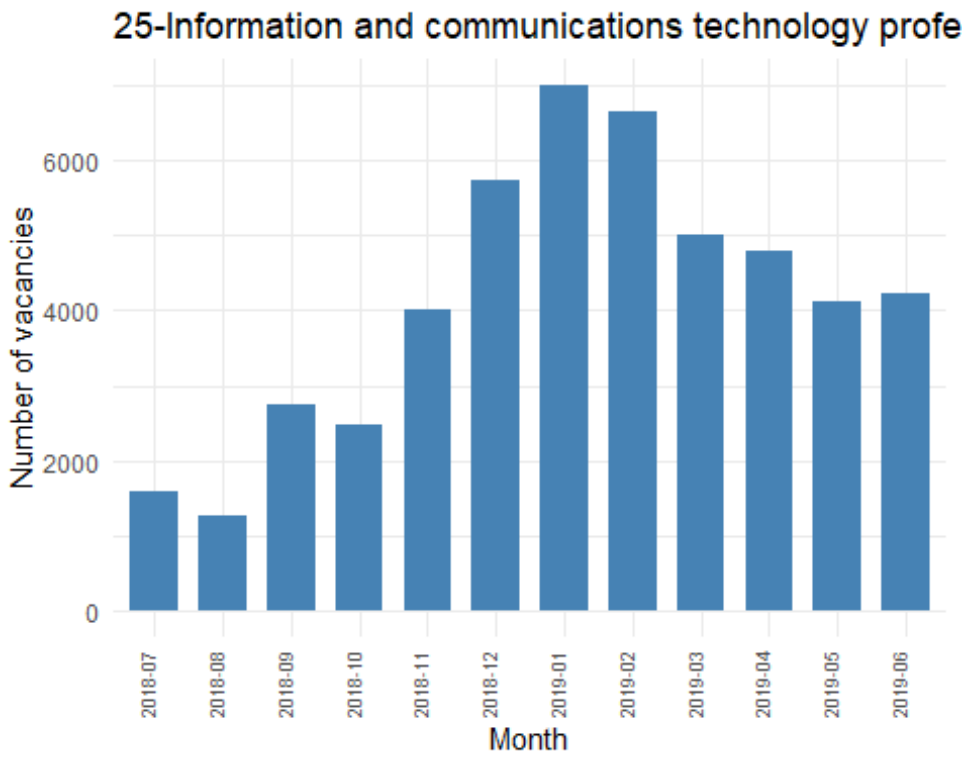
14-Hospitality, retail and other services managers
Number of vacancies
0
100
200
300
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

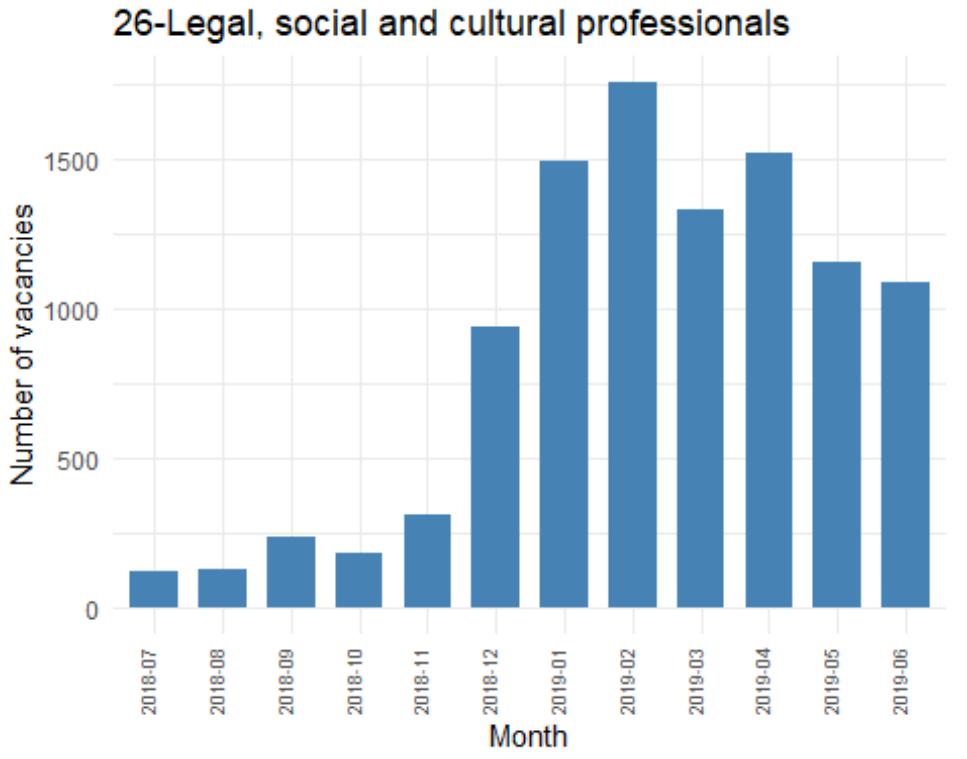

21-Science and engineering professionals
Number of vacancies
0
1000
2000
3000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

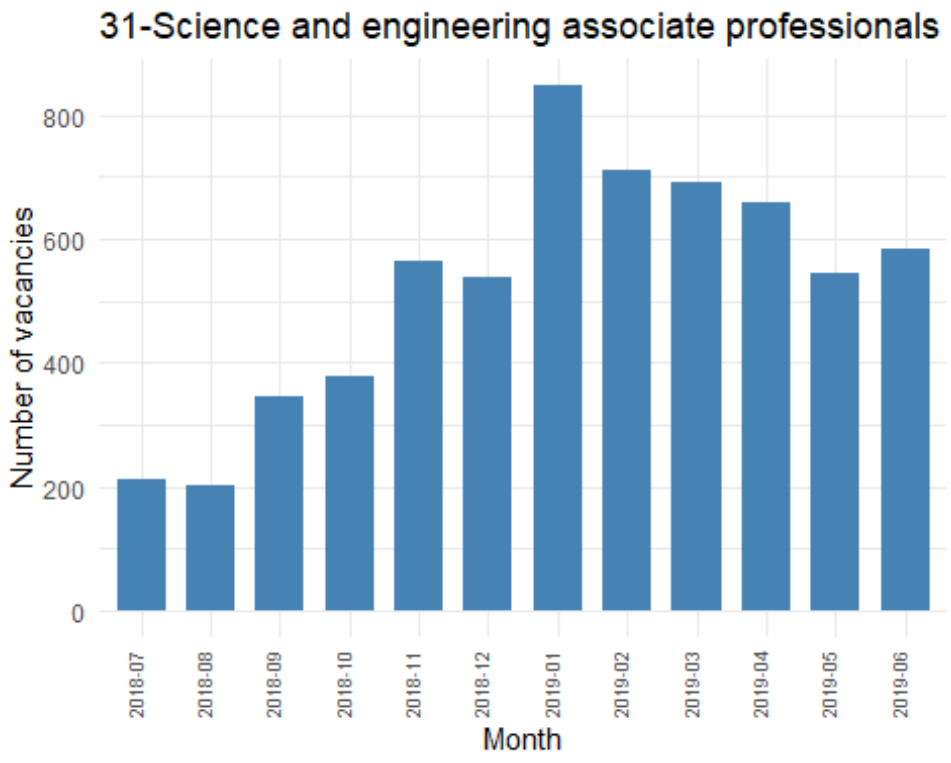

22-Health professionals
Number of vacancies
0
500
1000
1500
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

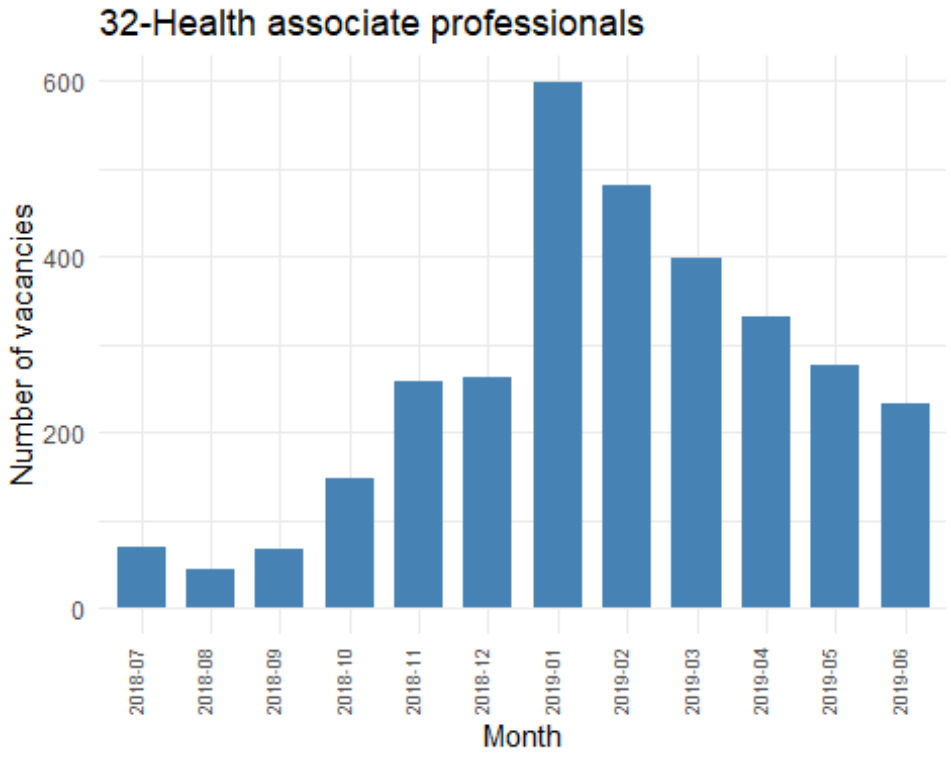

23-Teaching professionals
Number of vacancies
900
600
300
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

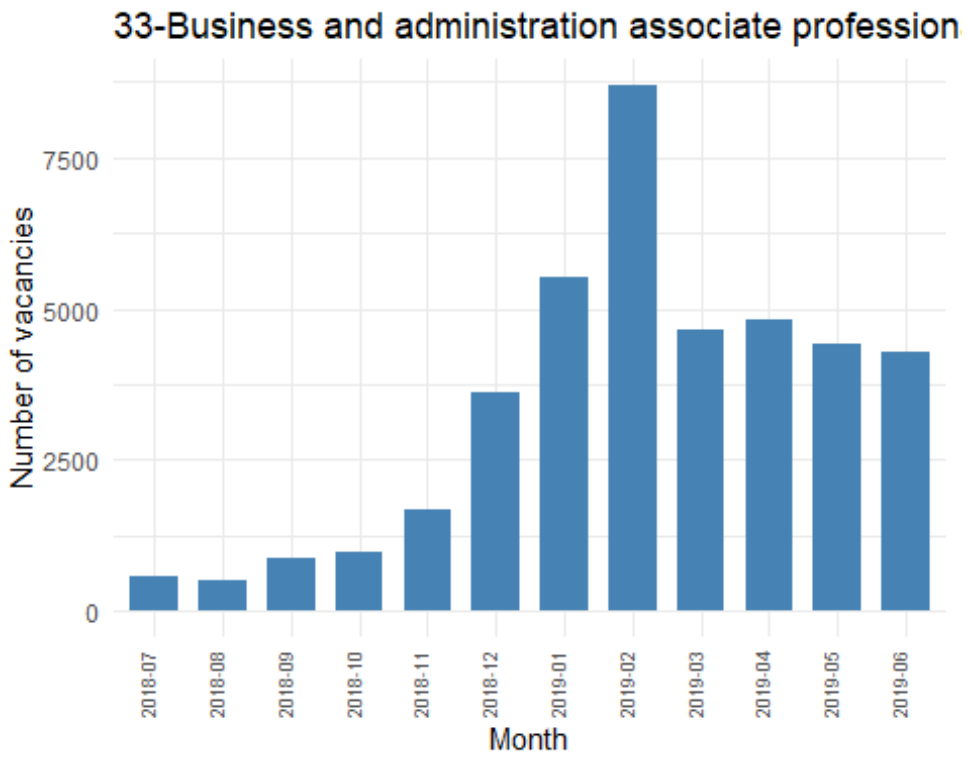

24-Business and administration professionals
Number of vacancies
3000
2000
1000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

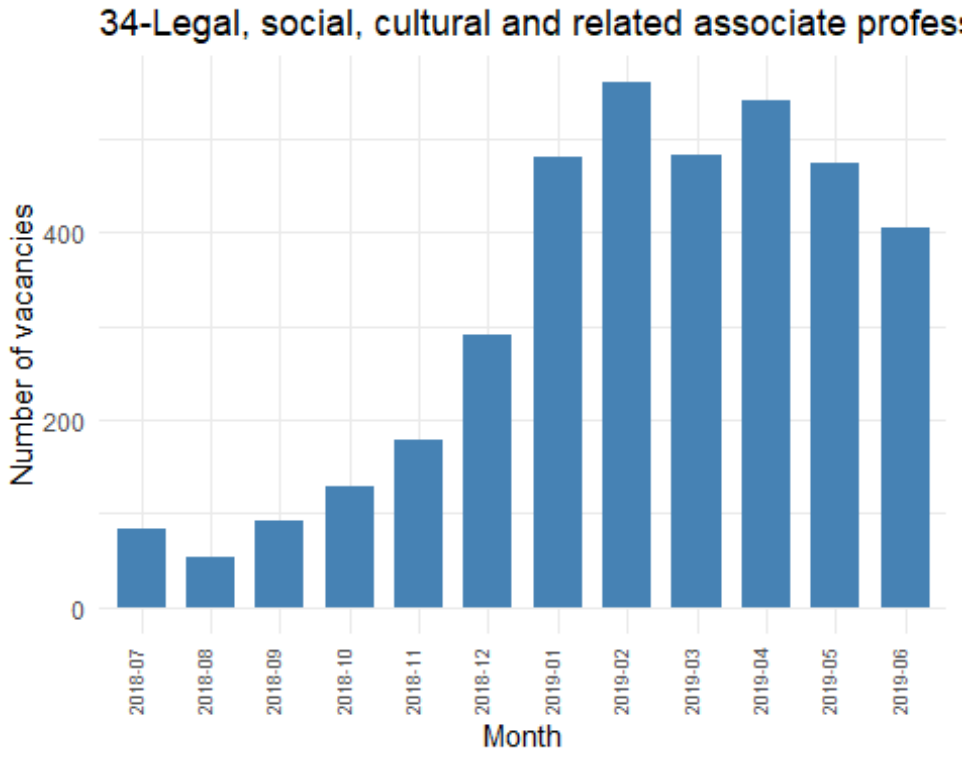

25-Information and communications technology profe
Number of vacancies
0
2000
4000
6000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

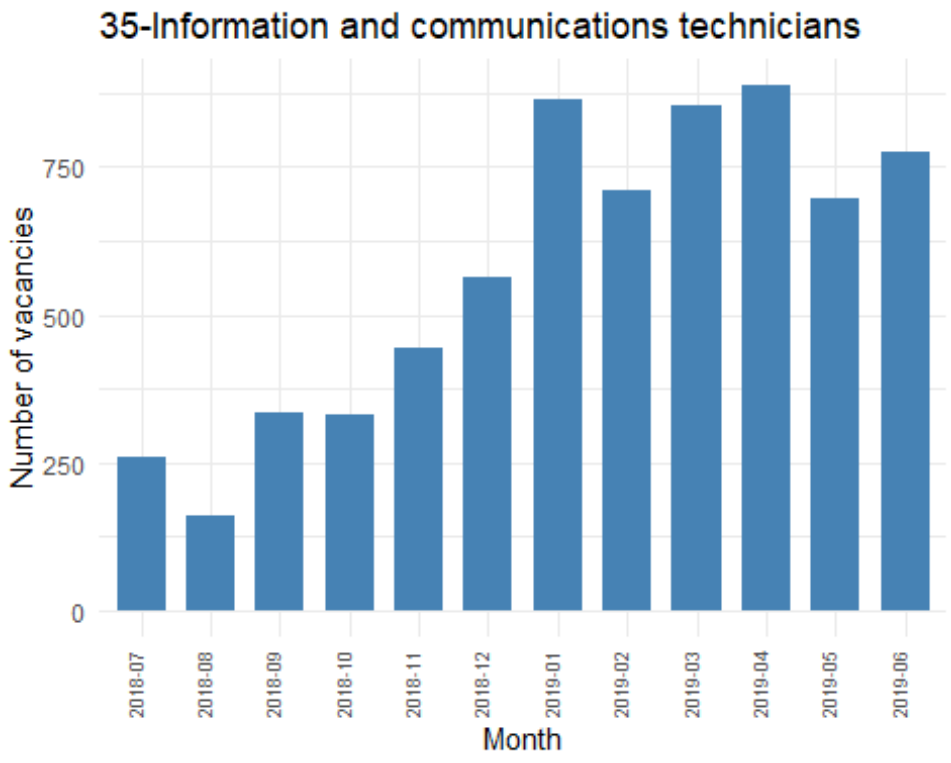

26-Legal, social and cultural professionals
Number of vacancies
0
500
1000
1500
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

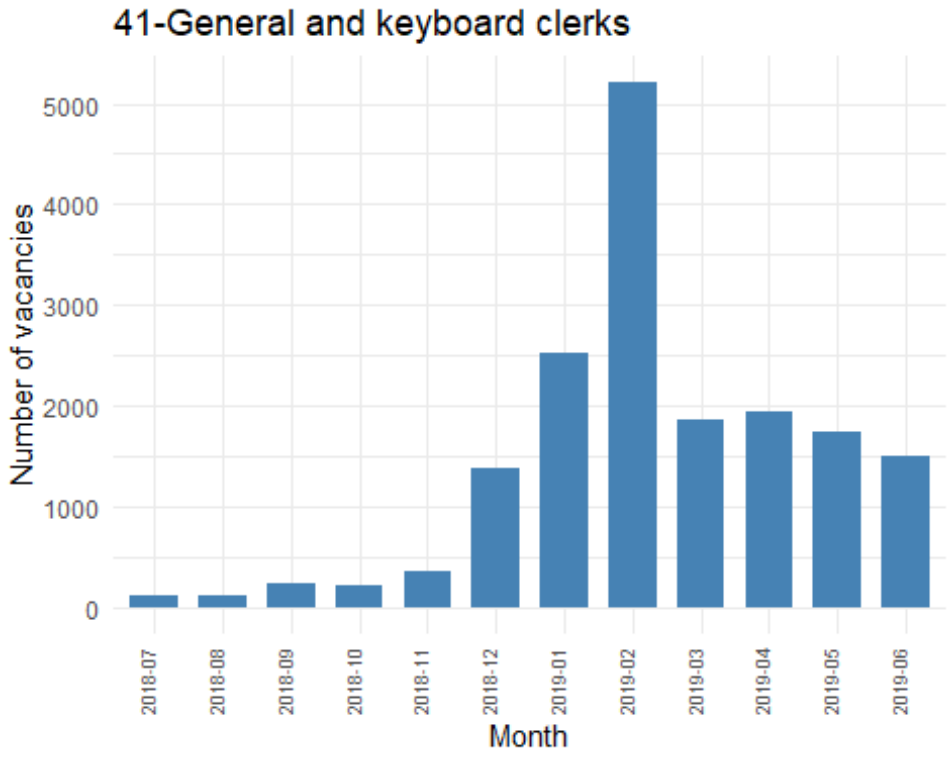

31-Science and engineering associate professionals
Number of vacancies
0
200
400
600
800
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

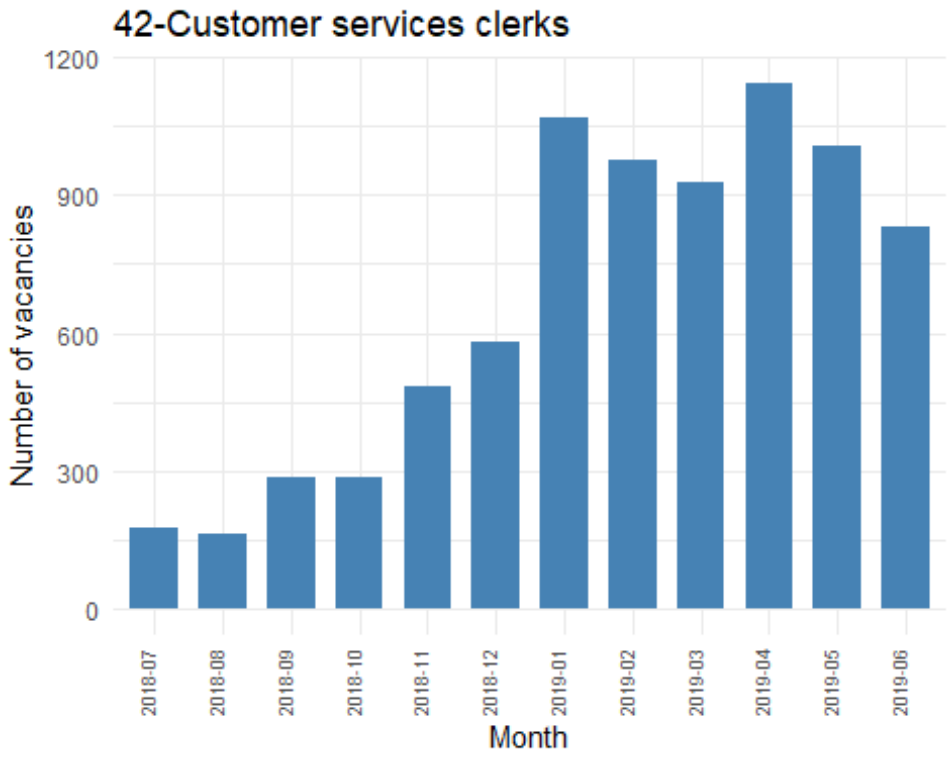

32-Health associate professionals
Number of vacancies
0
200
400
600
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

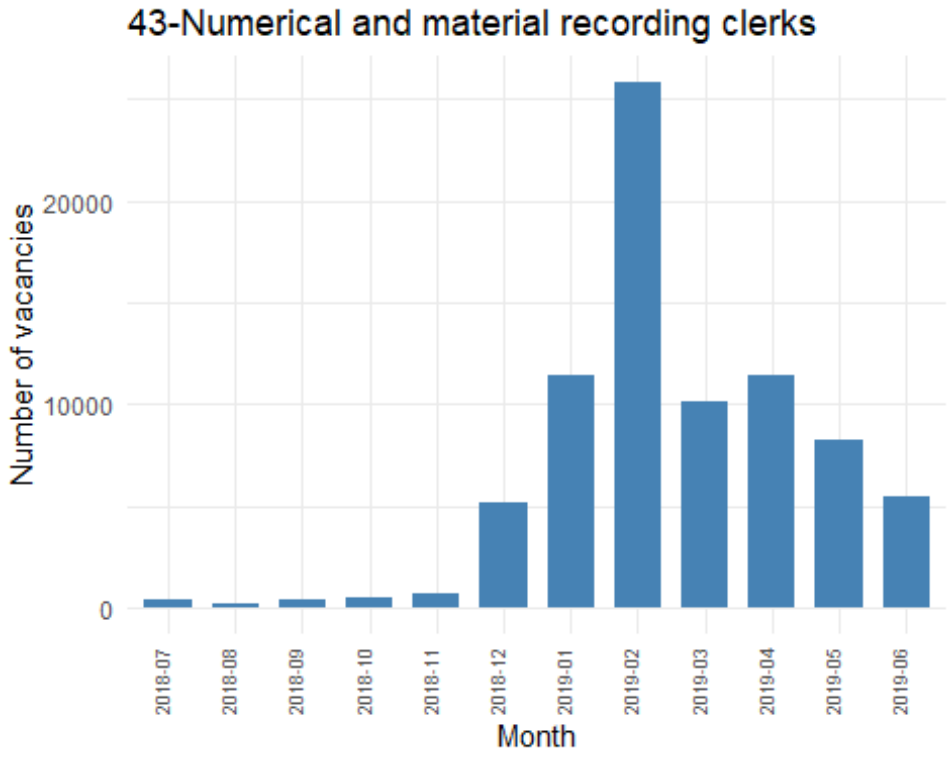

33-Business and administration associate profession
Number of vacancies
7500
5000
2500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

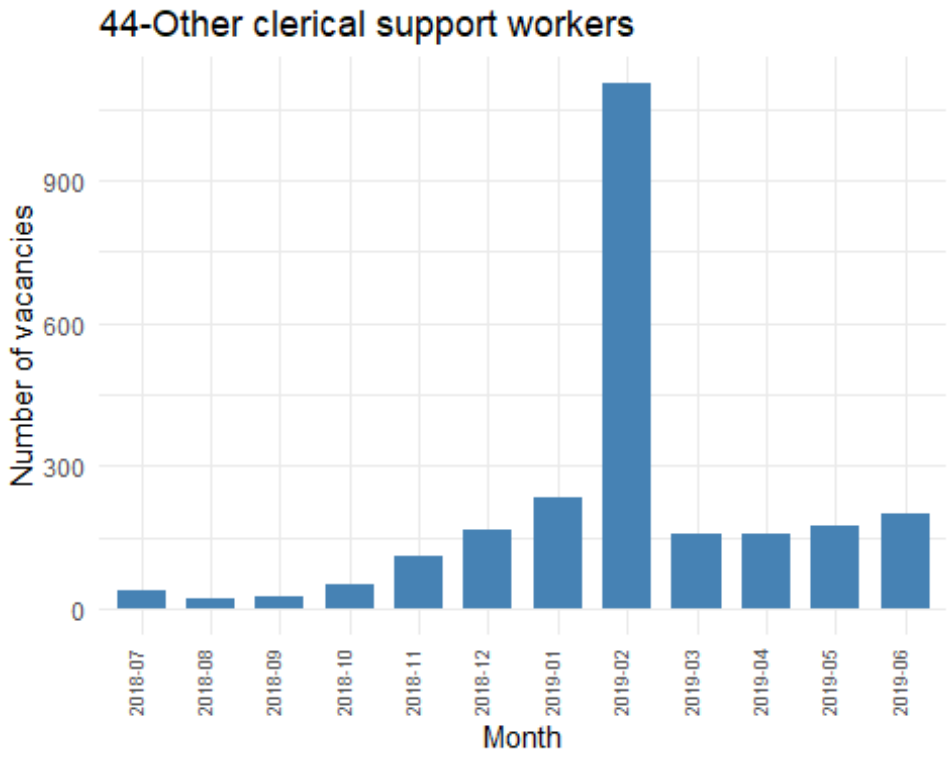

34-Legal, social, cultural and related associate profes
Number of vacancies
400
200
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

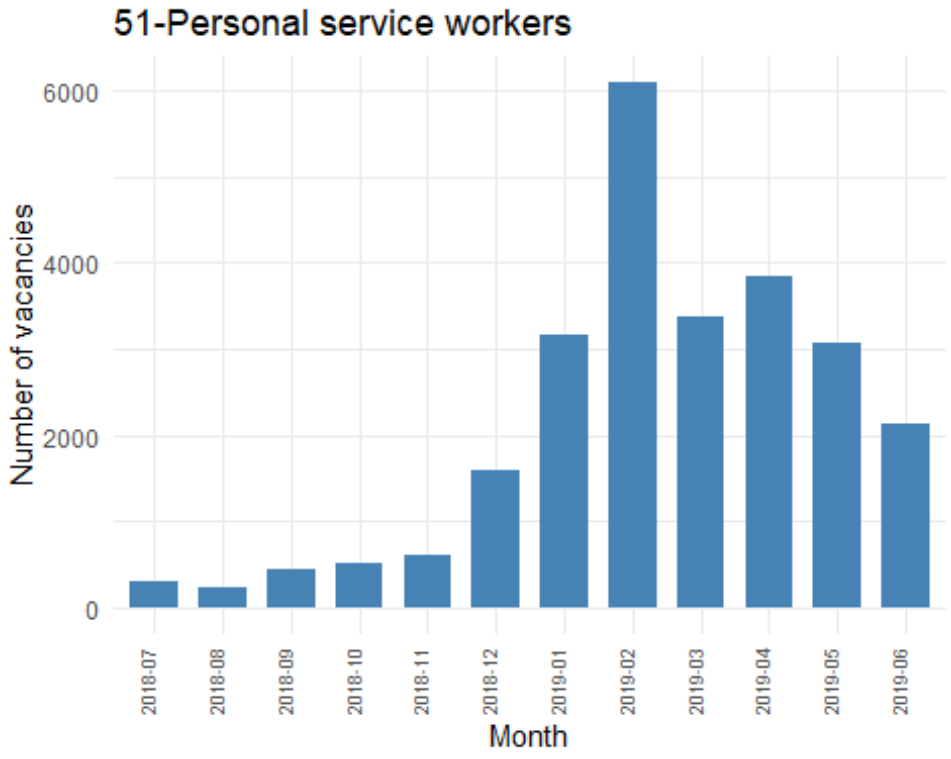

35-Information and communications technicians
Number of vacancies
0
250
500
750
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

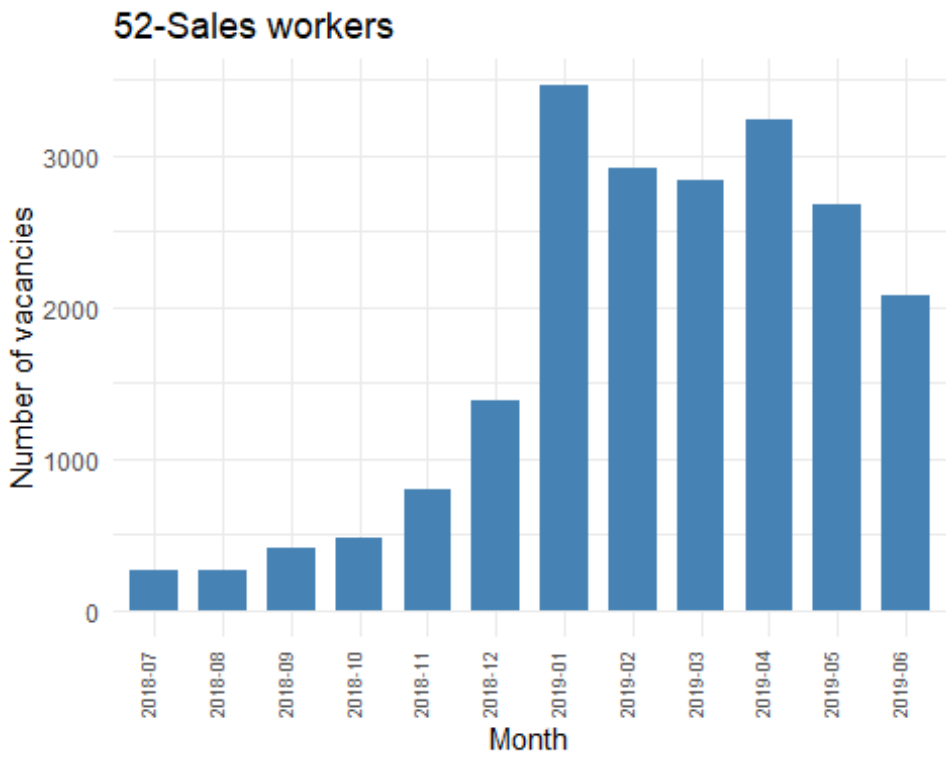

41-General and keyboard clerks
Number of vacancies
0
1000
2000
3000
4000
5000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

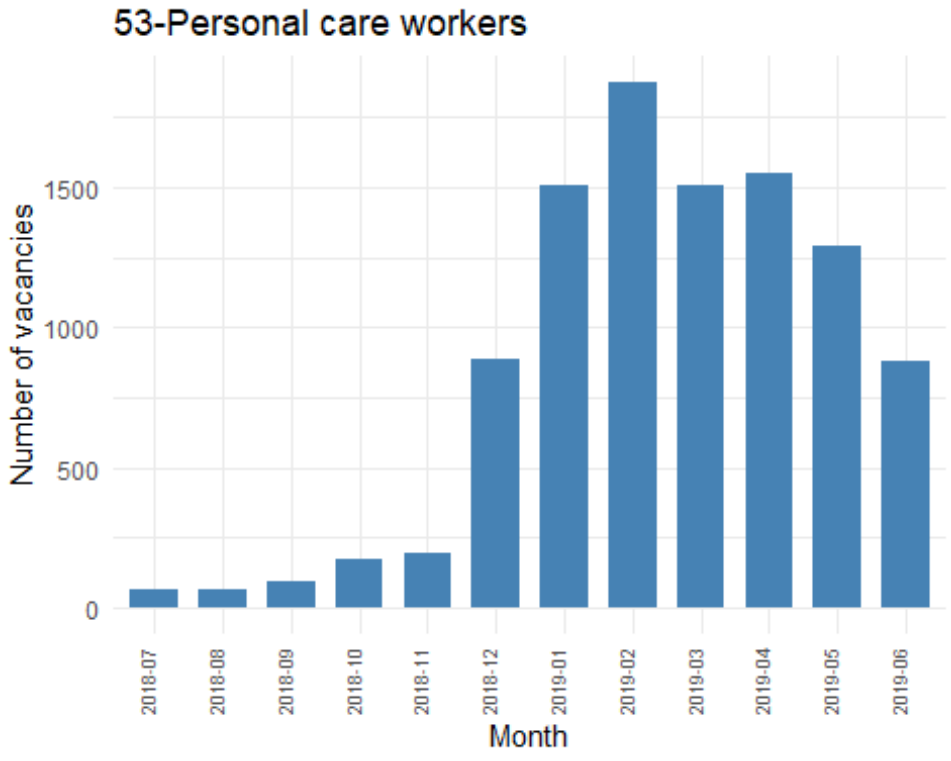

42-Customer services clerks
Number of vacancies
1200
900
600
300
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

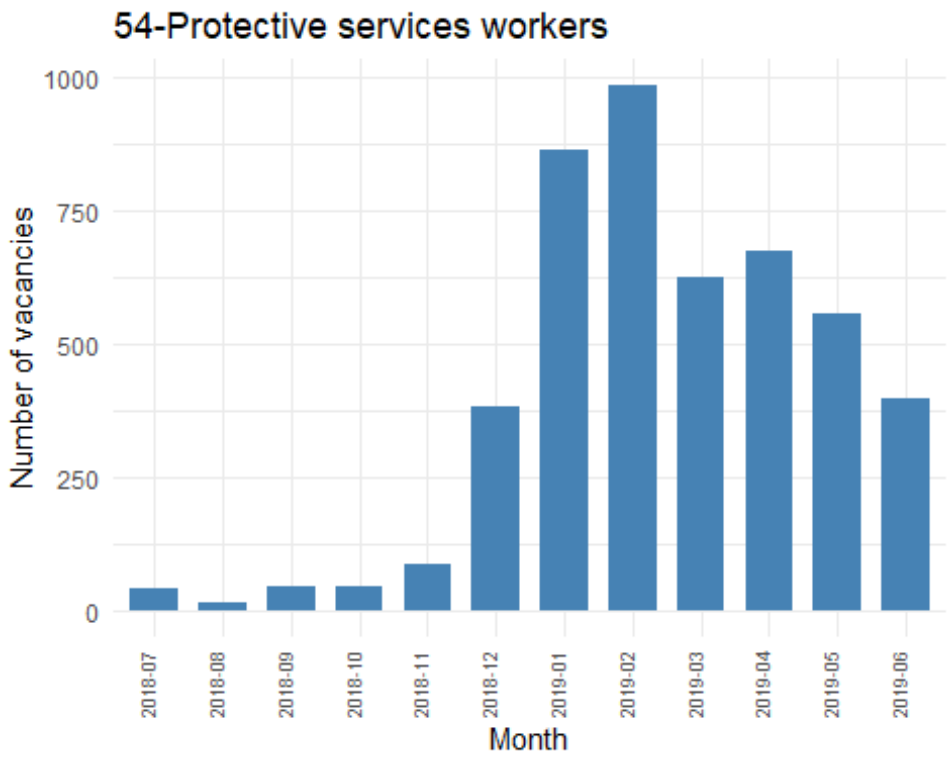

43-Numerical and material recording clerks
Number of vacancies
20000
10000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

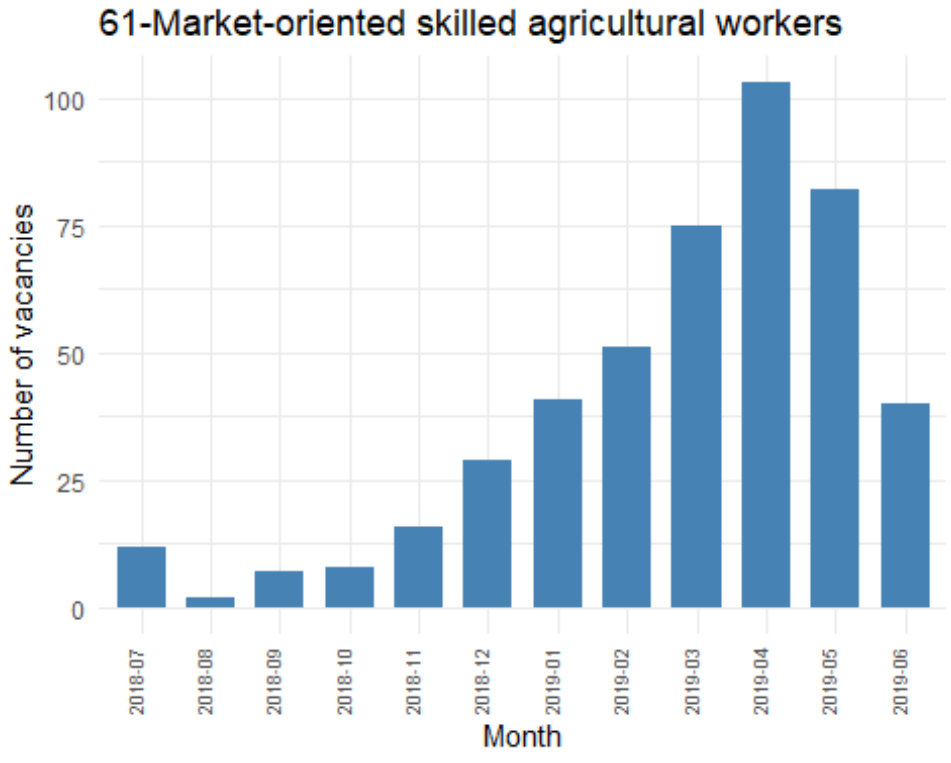

44-Other clerical support workers
Number of vacancies
900
600
300
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

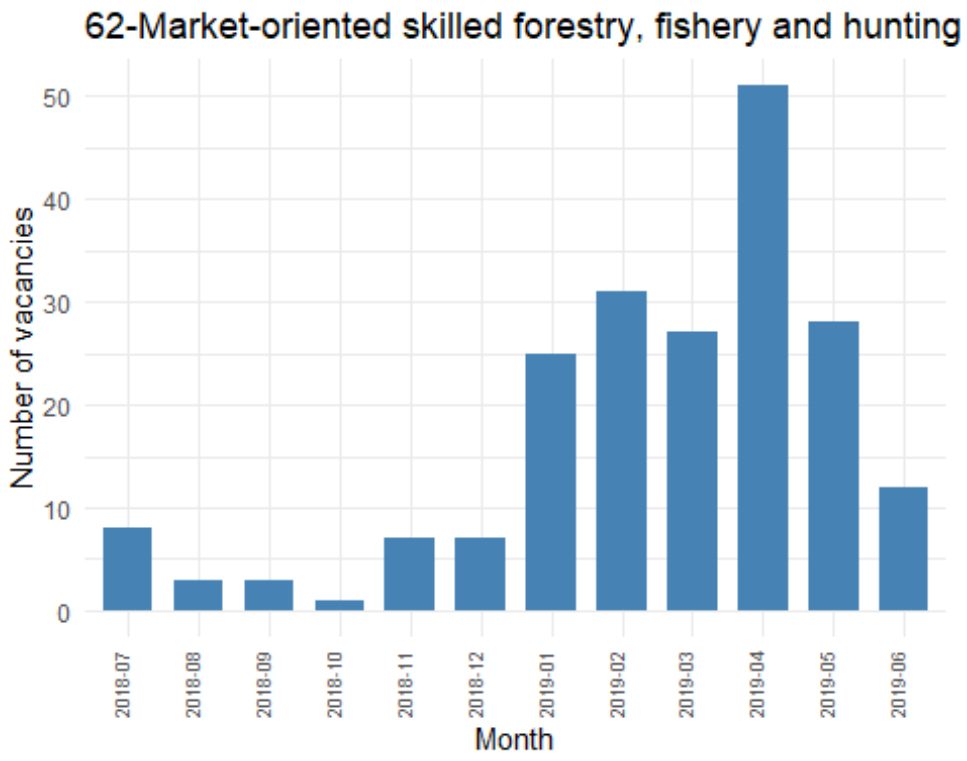

51-Personal service workers
Number of vacancies
6000
4000
2000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

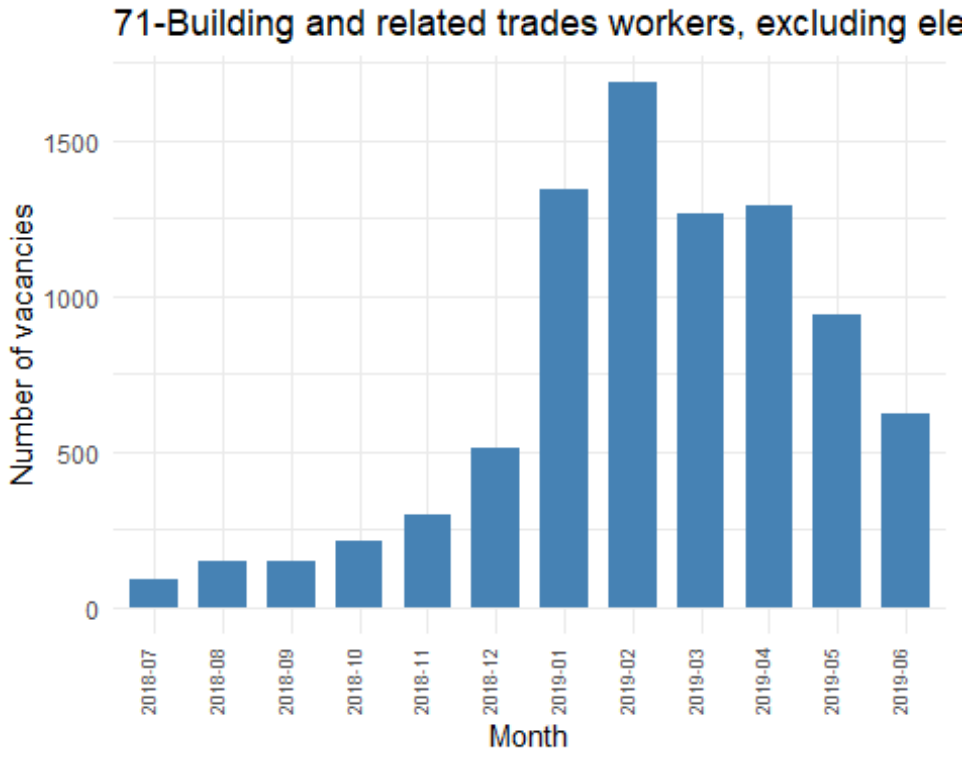

52-Sales workers
Number of vacancies
3000
2000
1000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

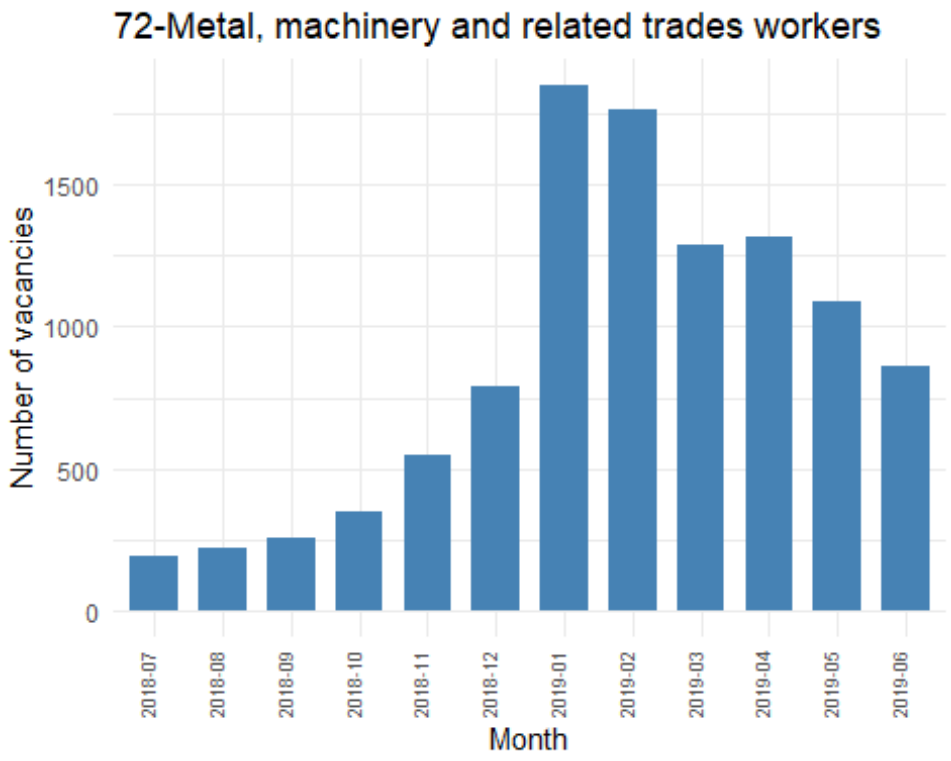

53-Personal care workers
Number of vacancies
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

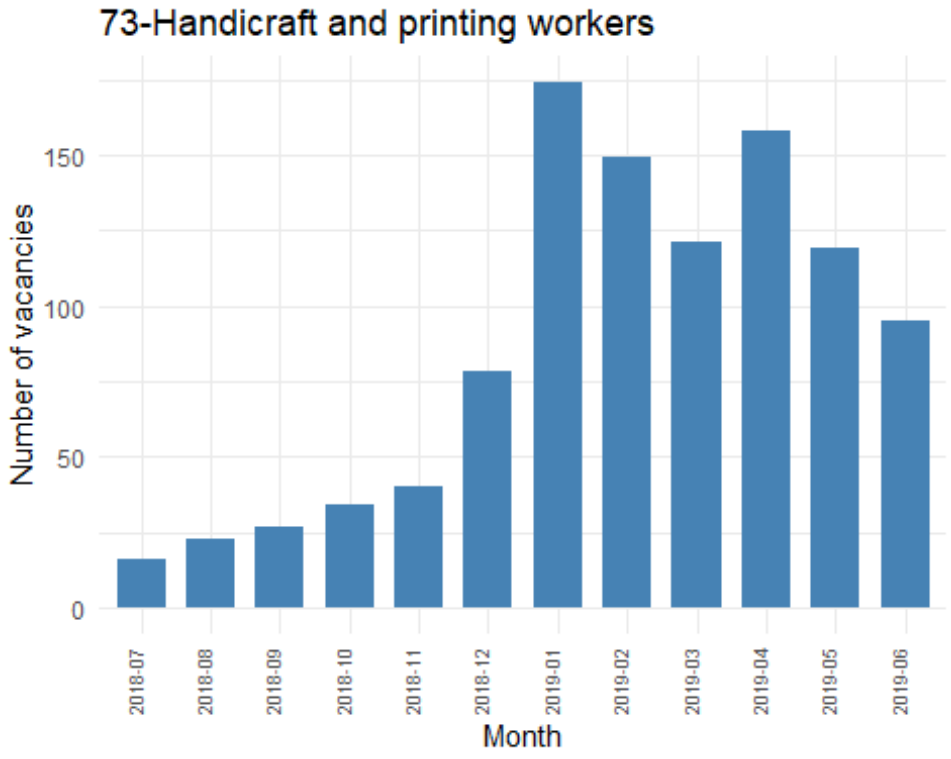

54-Protective services workers
Number of vacancies
1000
750
500
250
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

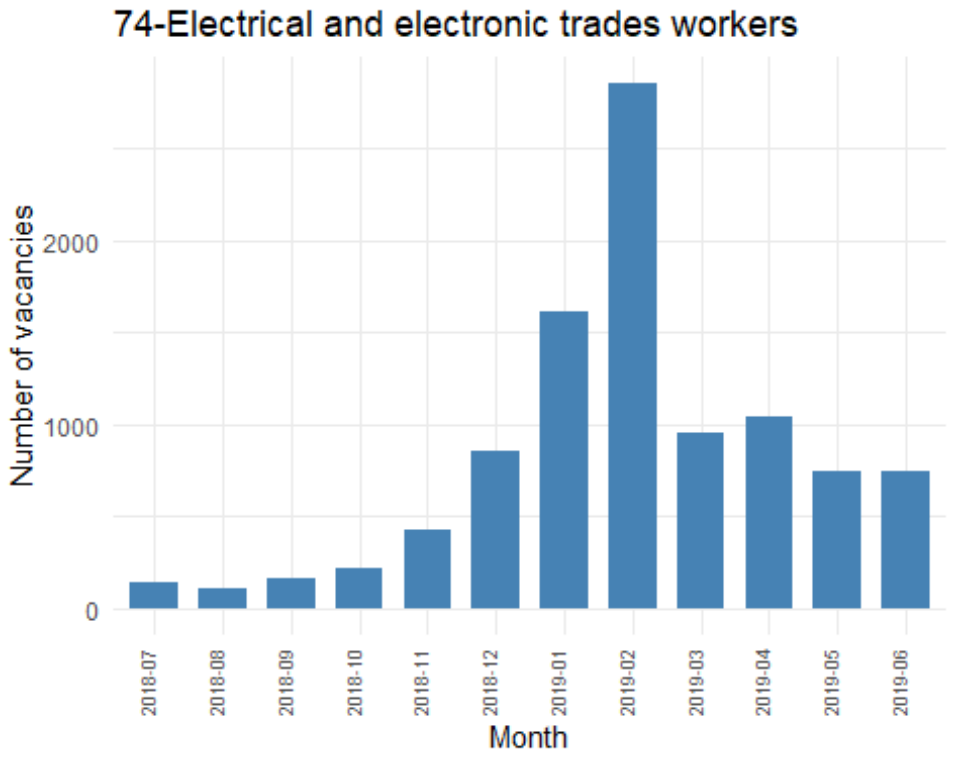

61-Market-oriented skilled agricultural workers
Number of vacancies
100
75
50
25
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

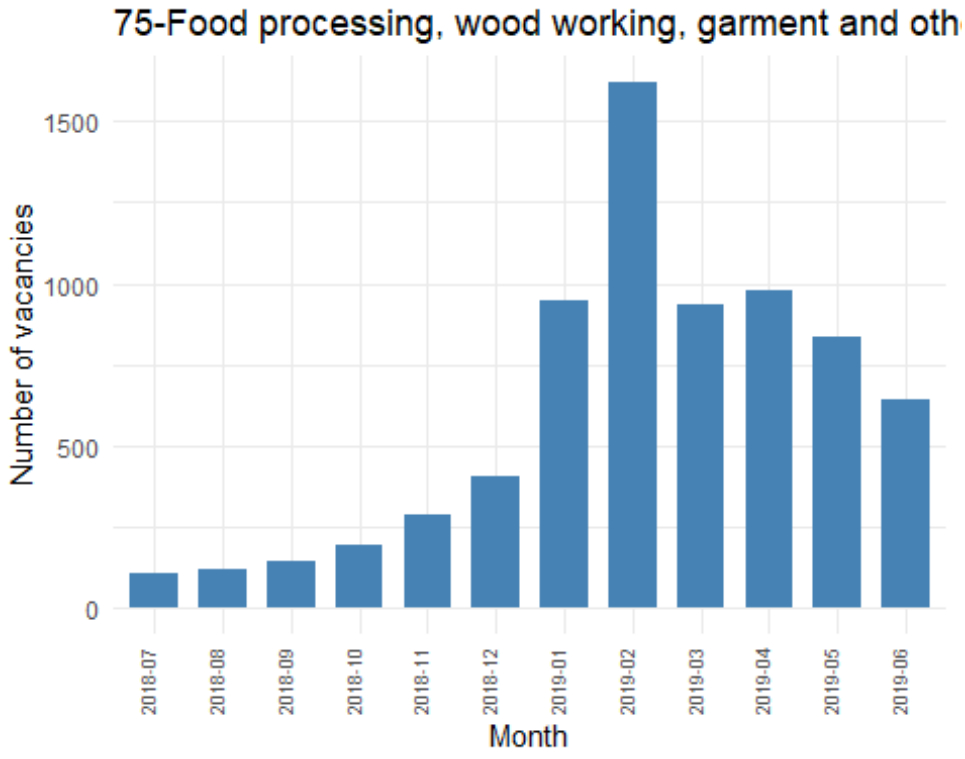

62-Market-oriented skilled forestry, fishery and hunting
Number of vacancies
0
10
20
30
40
50
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

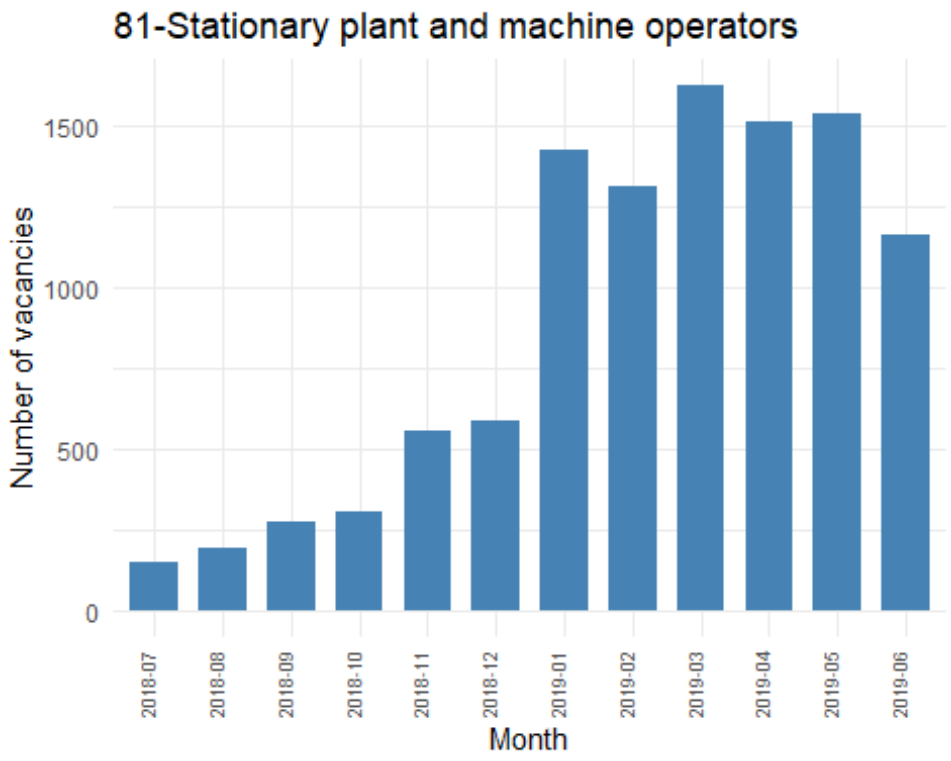

71-Building and related trades workers, excluding ele
Number of vacancies
0
500
1000
1500
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

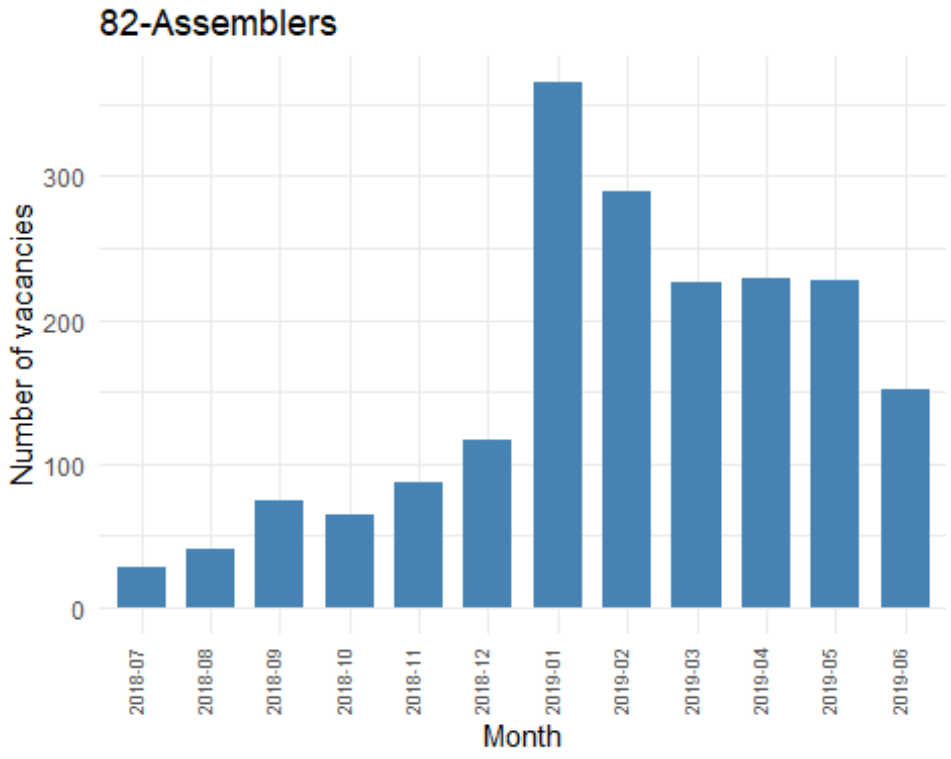

72-Metal, machinery and related trades workers
Number of vacancies
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

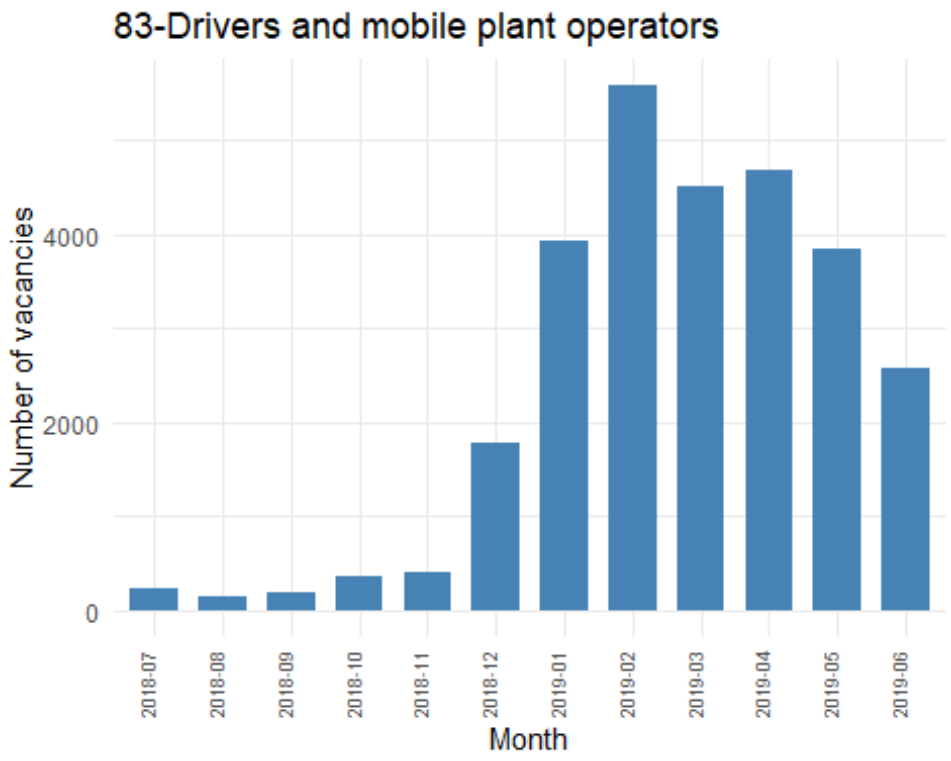

73-Handicraft and printing workers
Number of vacancies
150
100
50
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

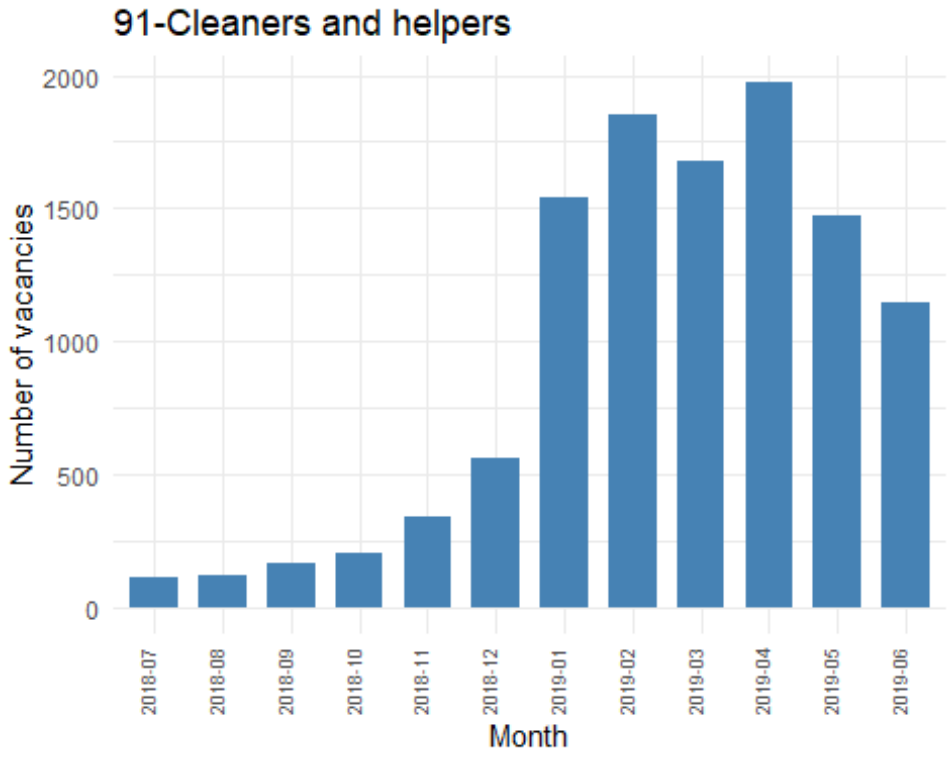

74-Electrical and electronic trades workers
Number of vacancies
0
1000
2000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

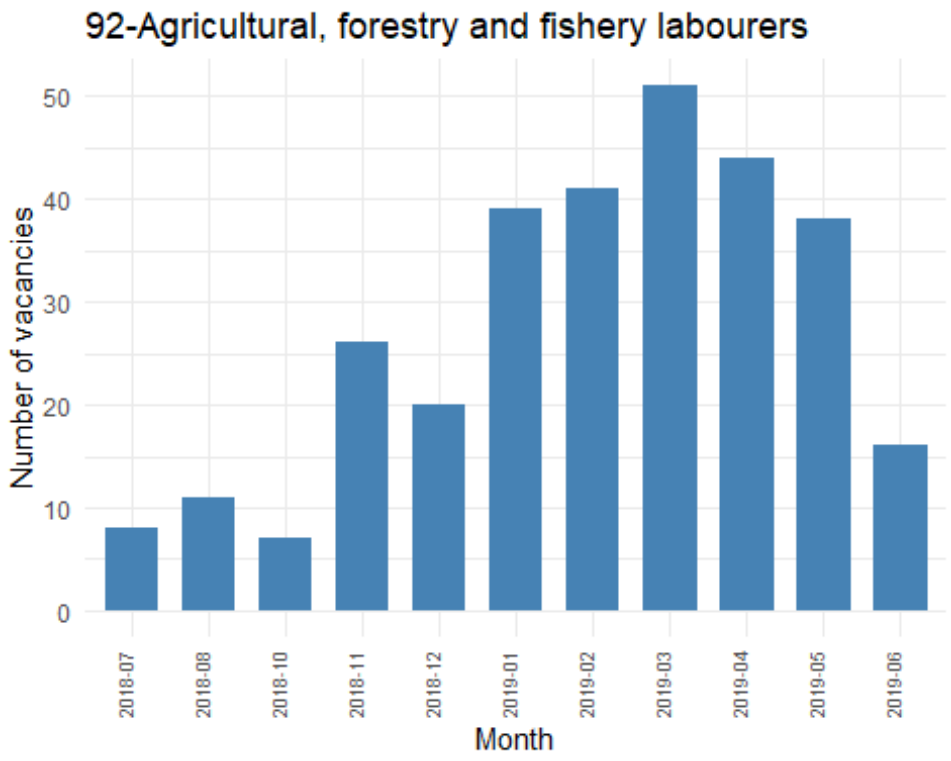

75-Food processing, wood working, garment and oth
Number of vacancies
0
500
1000
1500
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

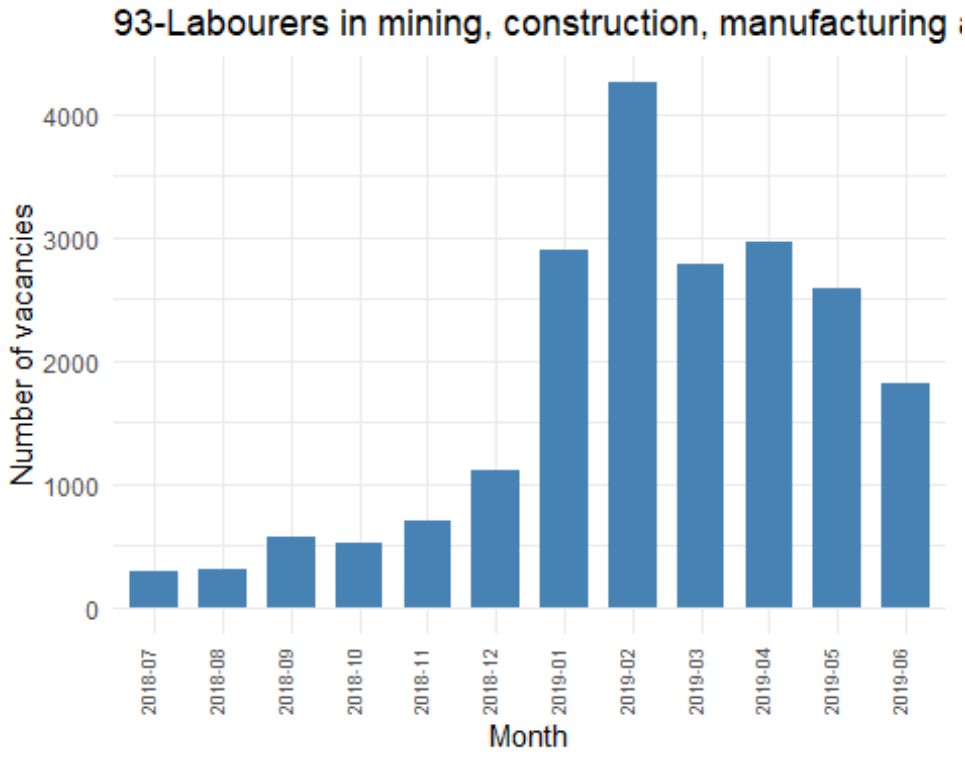

81-Stationary plant and machine operators
Number of vacancies
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

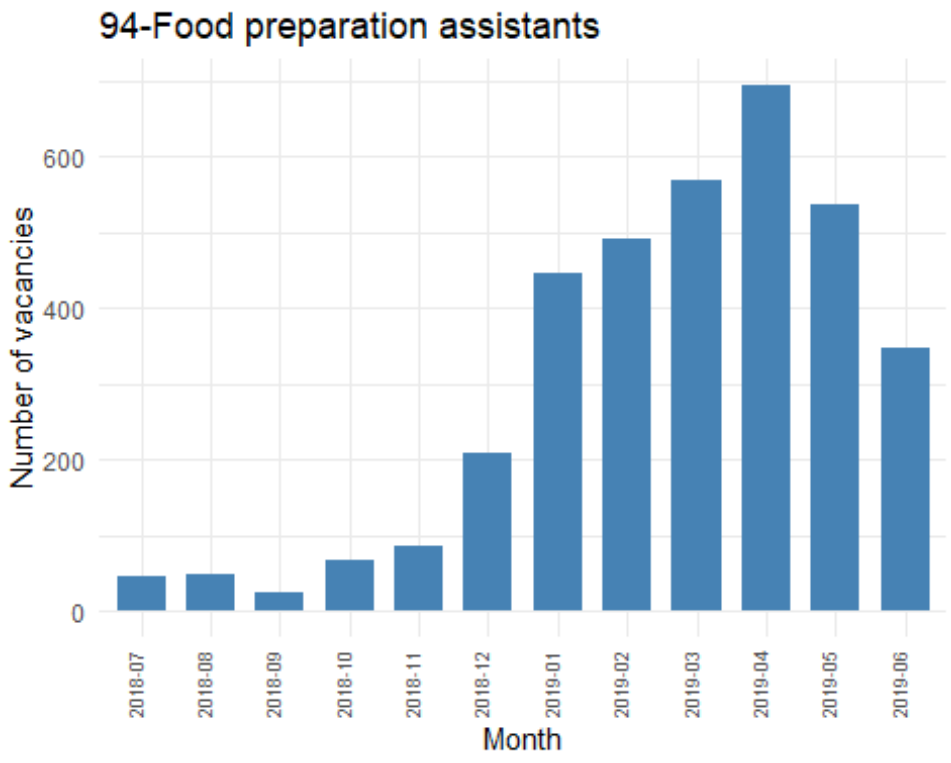

82-Assemblers
Number of vacancies
300
200
100
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

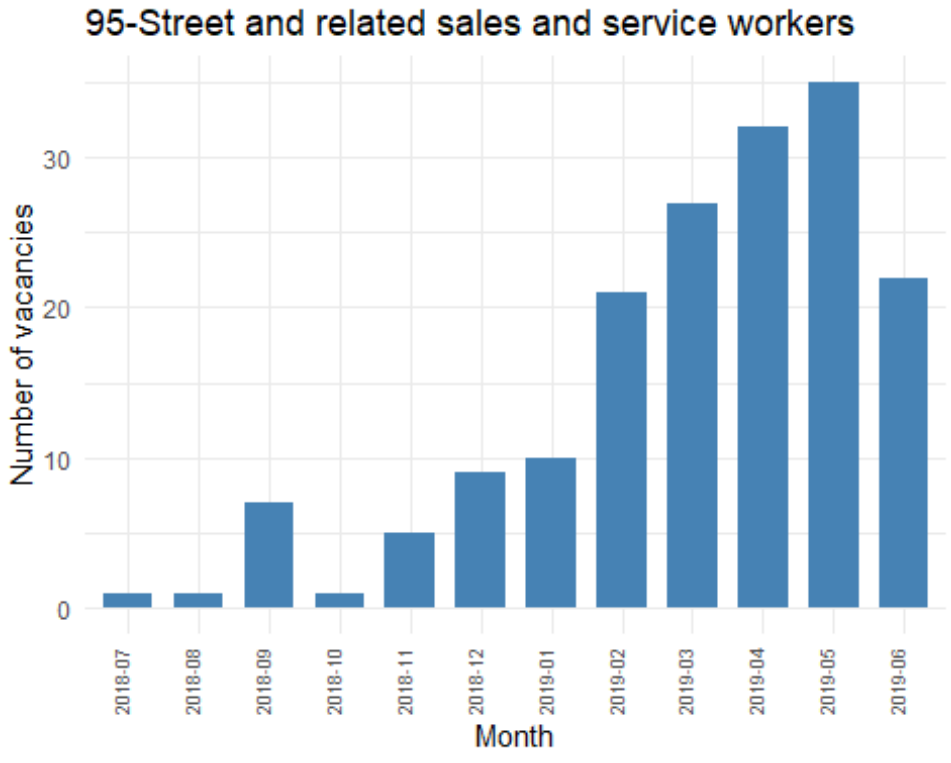

83-Drivers and mobile plant operators
Number of vacancies
0
2000
4000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

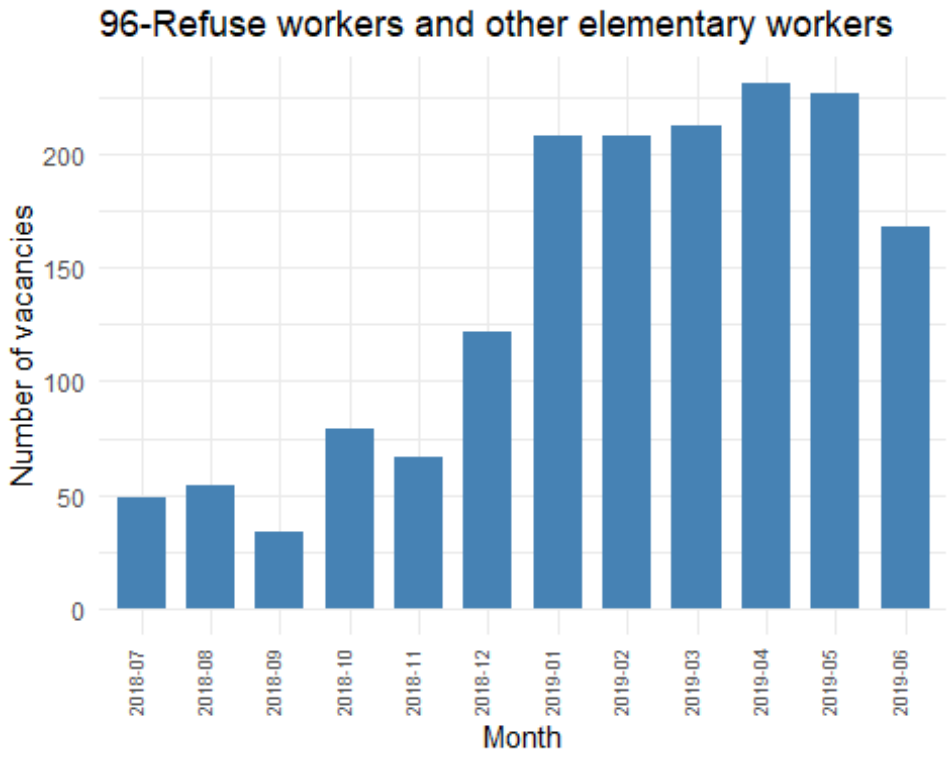

91-Cleaners and helpers
Number of vacancies
0
500
1000
1500
2000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

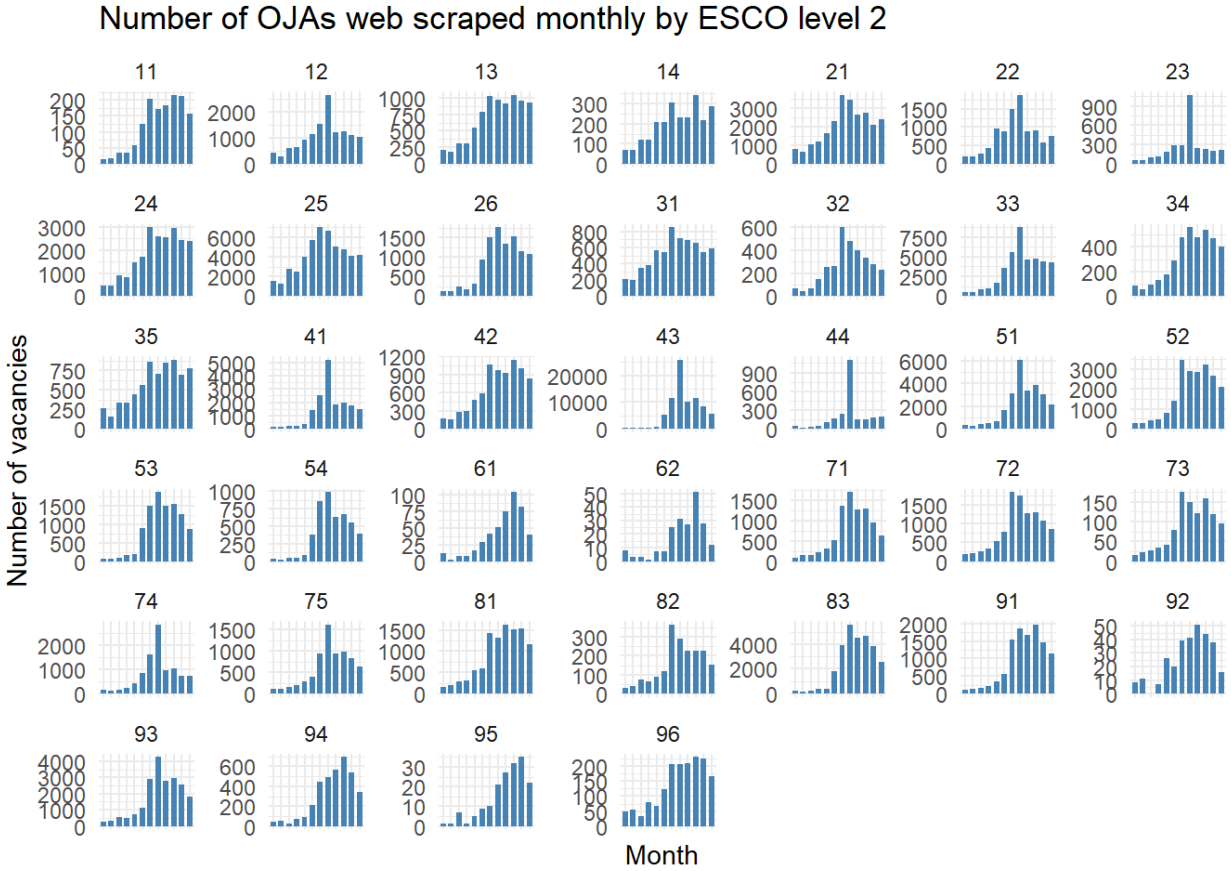

92-Agricultural, forestry and fishery labourers
Number of vacancies
0
10
20
30
40
50
2018-07
2018-08
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month


93-Labourers in mining, construction, manufacturing
Number of vacancies
0
1000
2000
3000
4000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

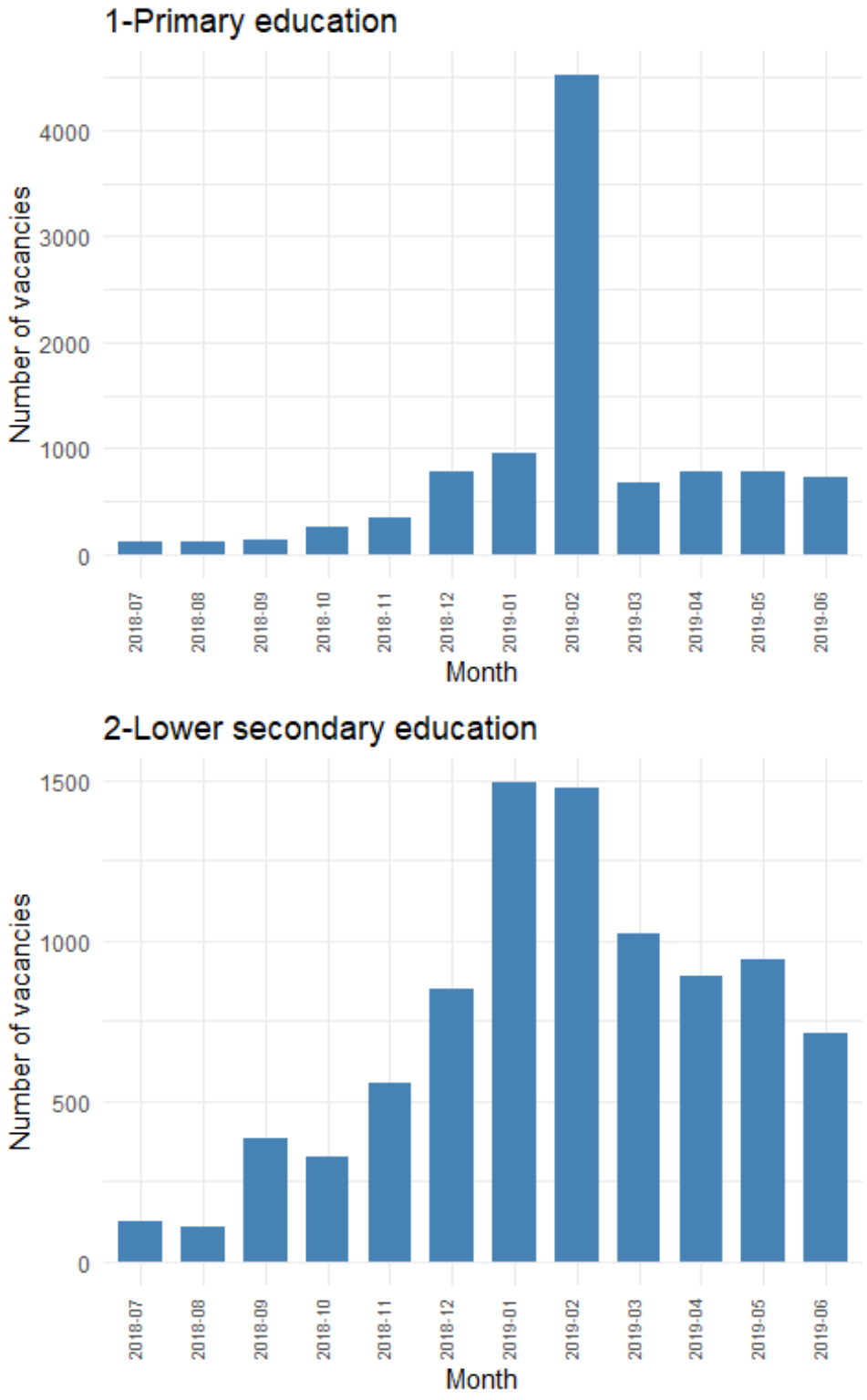

94-Food preparation assistants
Number of vacancies
0
200
400
600
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

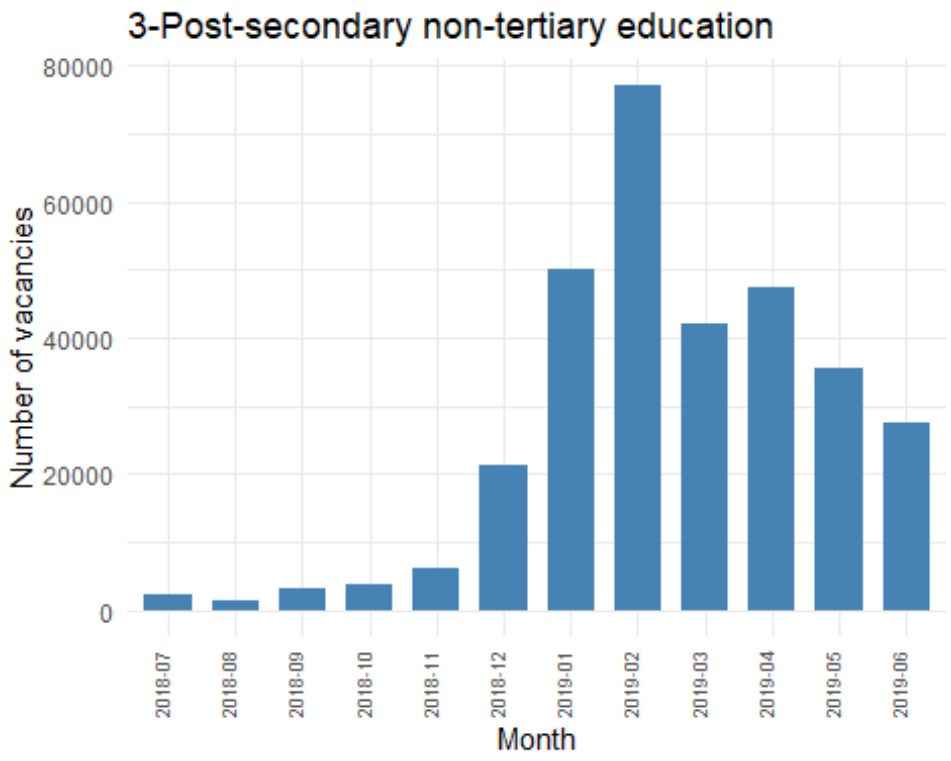

95-Street and related sales and service workers
Number of vacancies
0
10
20
30
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

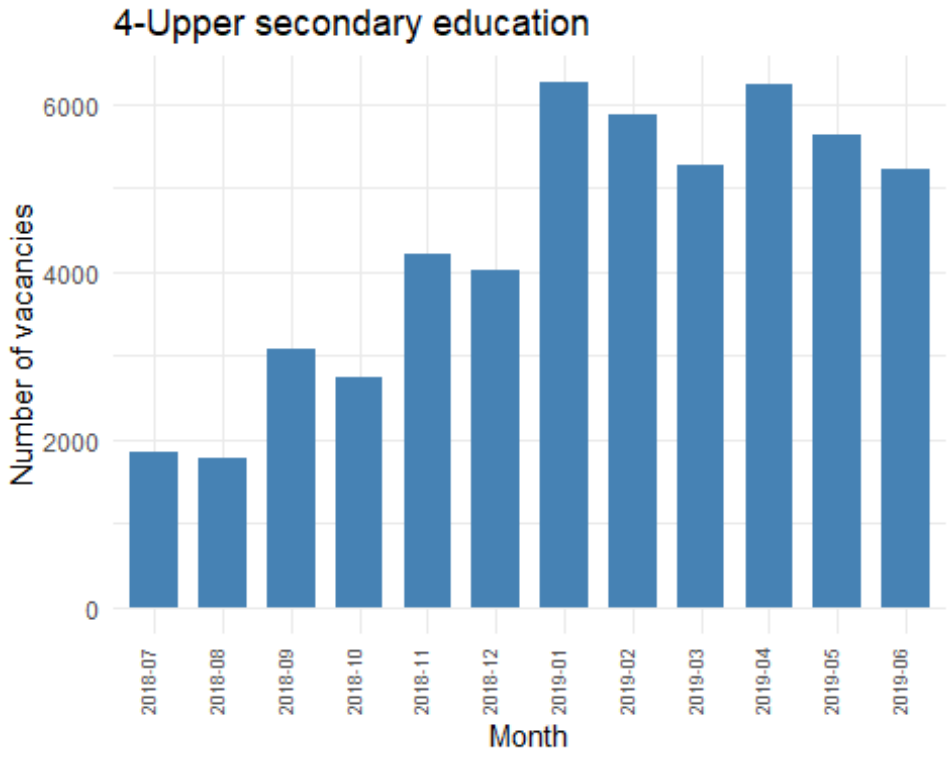

96-Refuse workers and other elementary workers
Number of vacancies
0
50
100
150
200
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

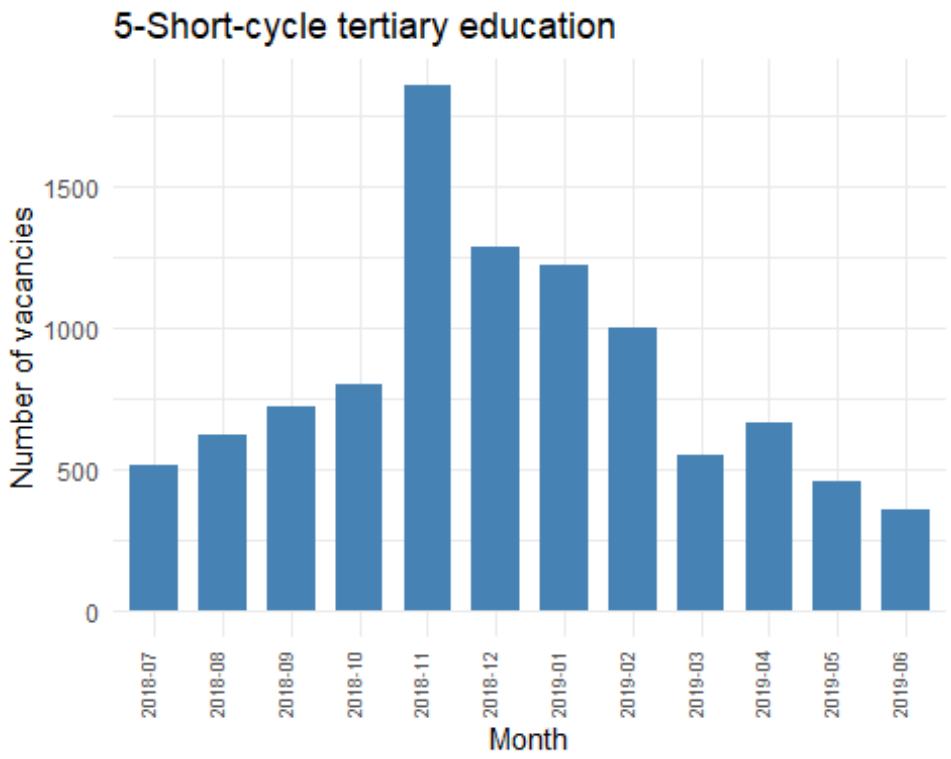

Number of OJAs web scraped monthly by ESCO level 2
11
12
13
14
21
22
23
24
25
26
31
32
33
34
35
41
42
43
44
51
52
53
54
61
62
71
72
73
74
75
81
82
83
91
92
93
94
95
96
Number of vacancies
Month

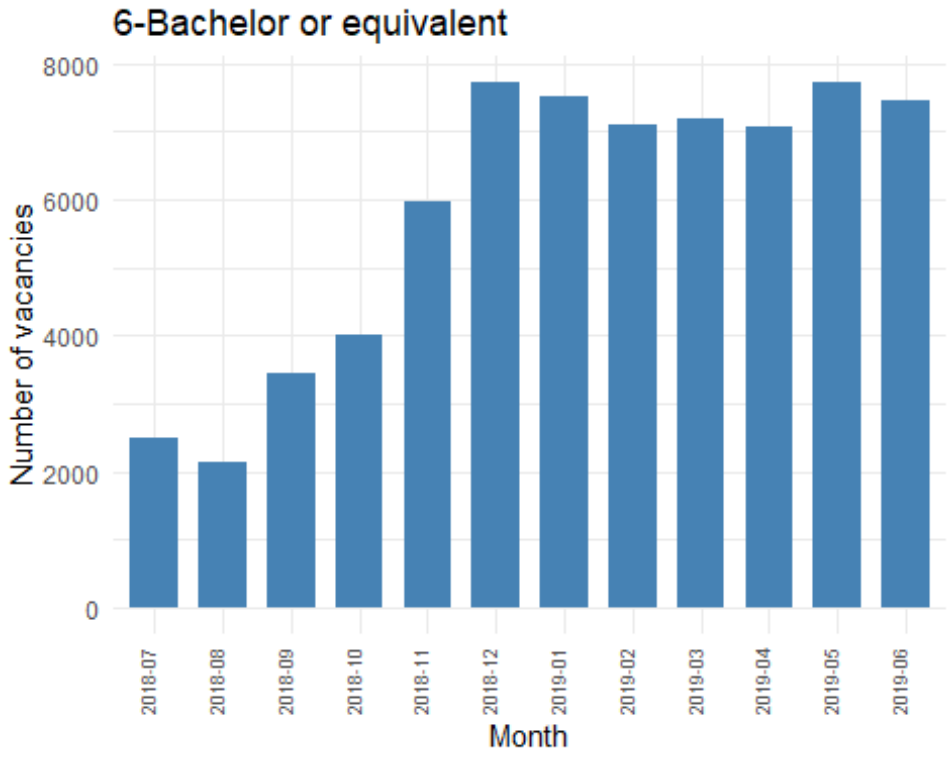
Number of OJAs web scraped monthly by required educational level

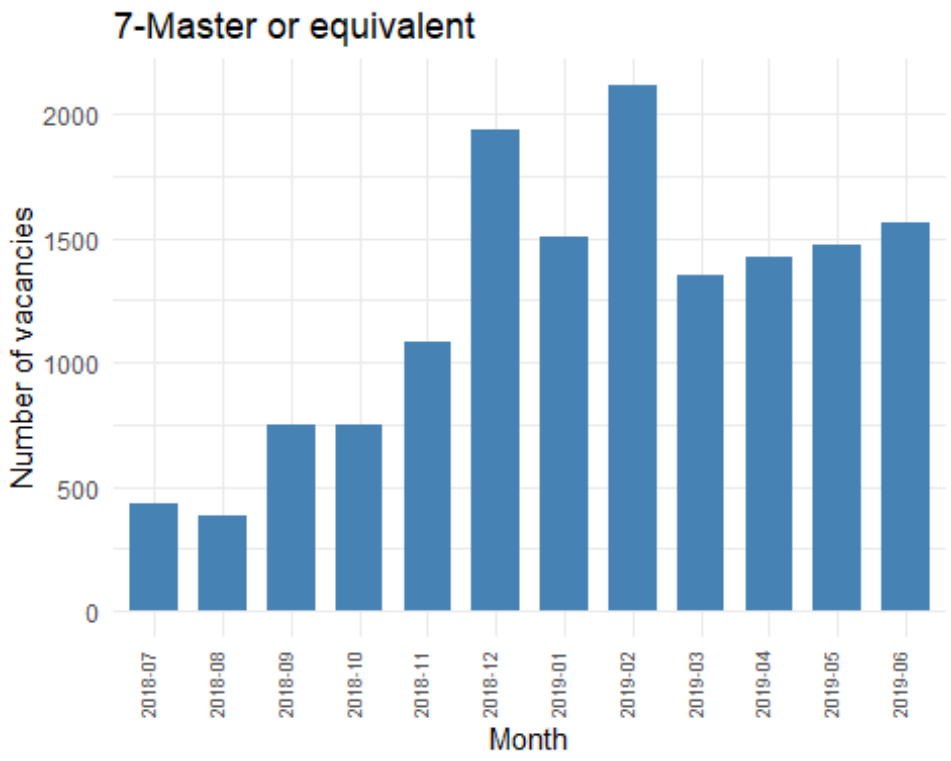


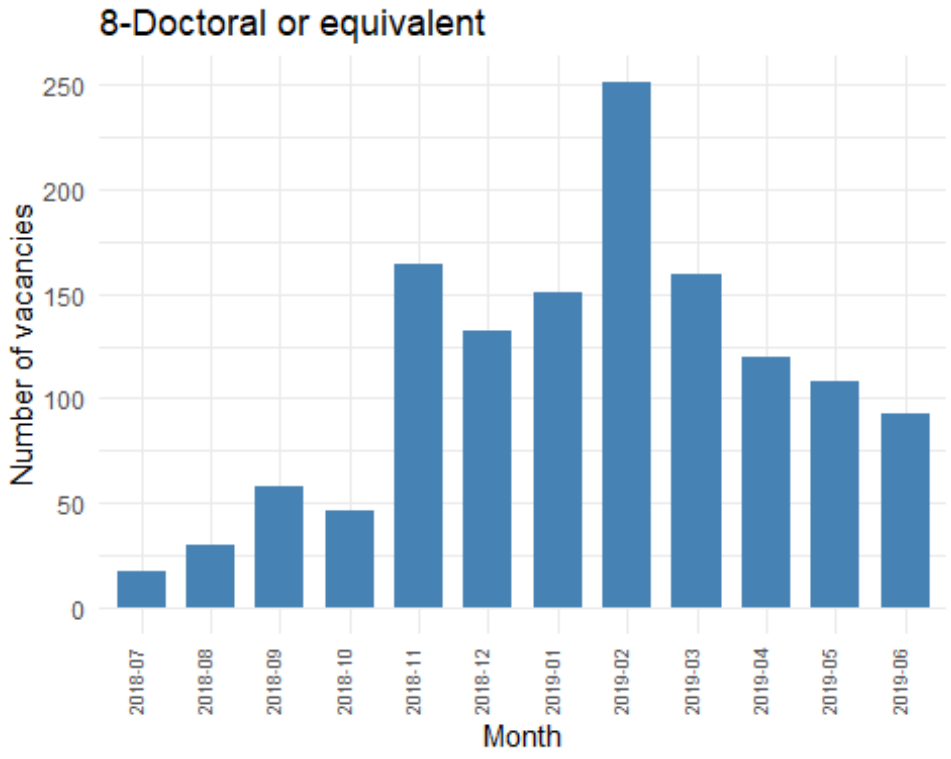

3-Post-secondary non-tertiary education
Number of vacancies
80000
60000
40000
20000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

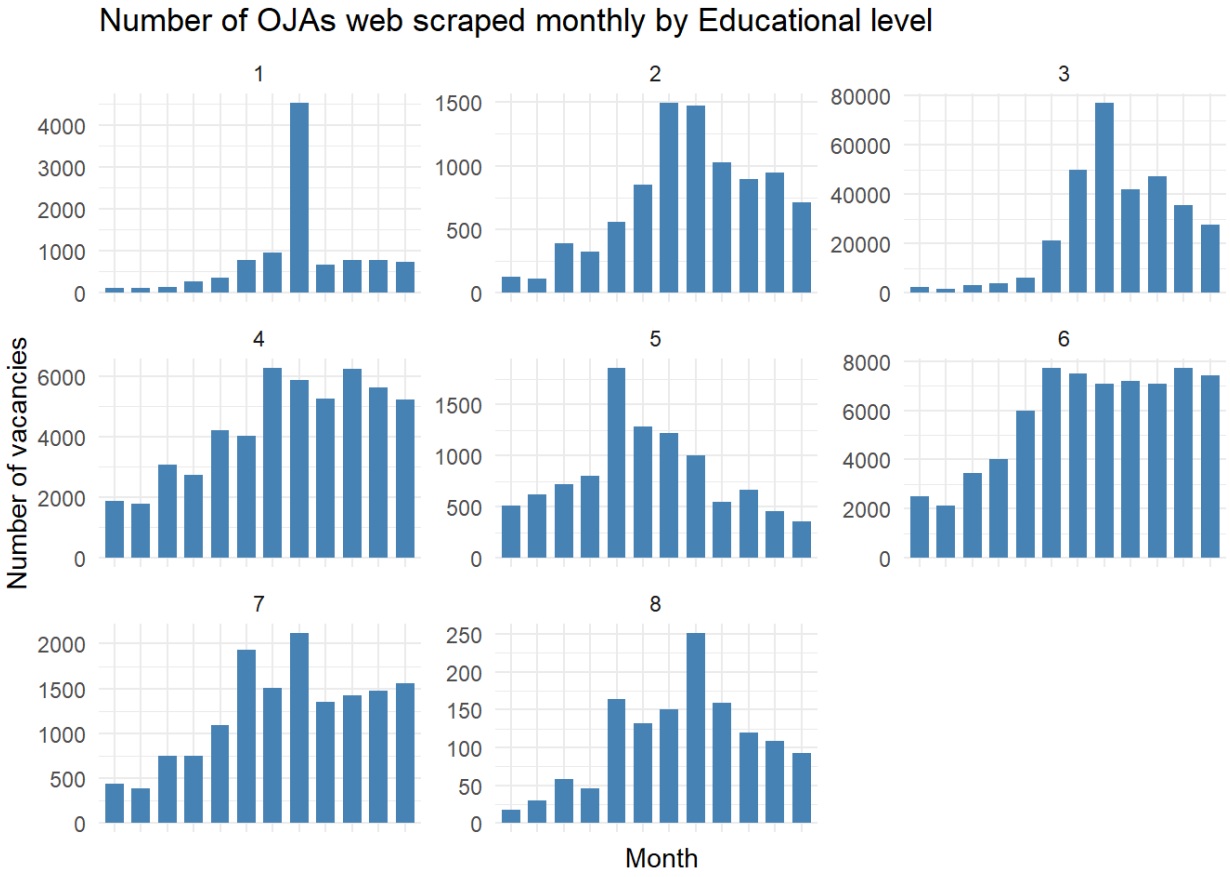

4-Upper secondary education
Number of vacancies
6000
4000
2000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month


5-Short-cycle tertiary education
Number of vacancies
0
500
1000
1500
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

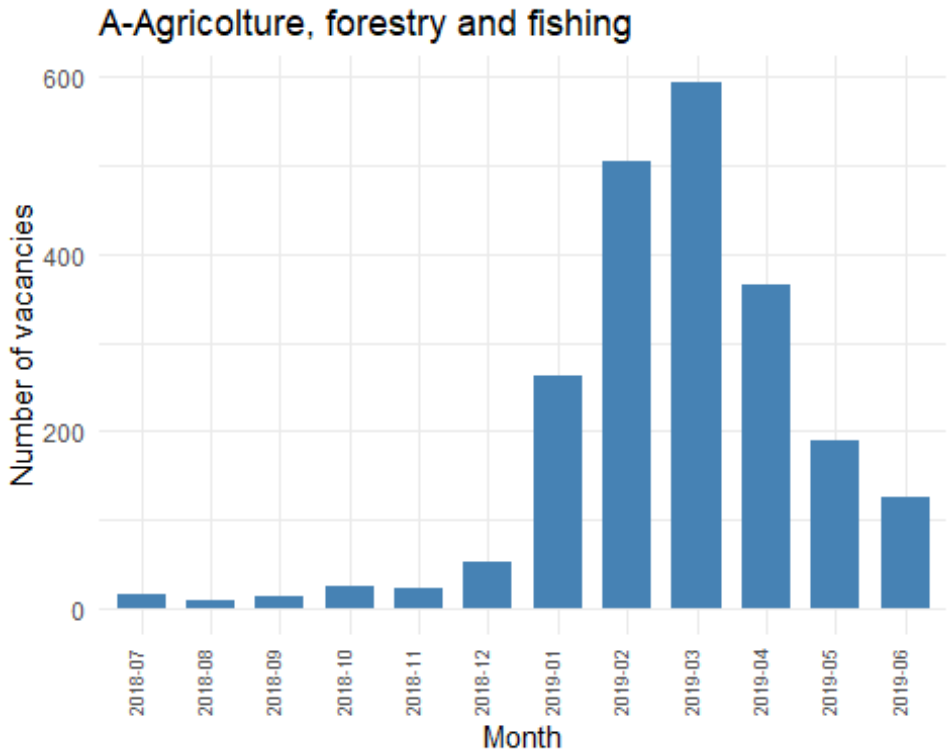

6-Bachelor or equivalent
Number of vacancies
0
2000
4000
6000
8000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

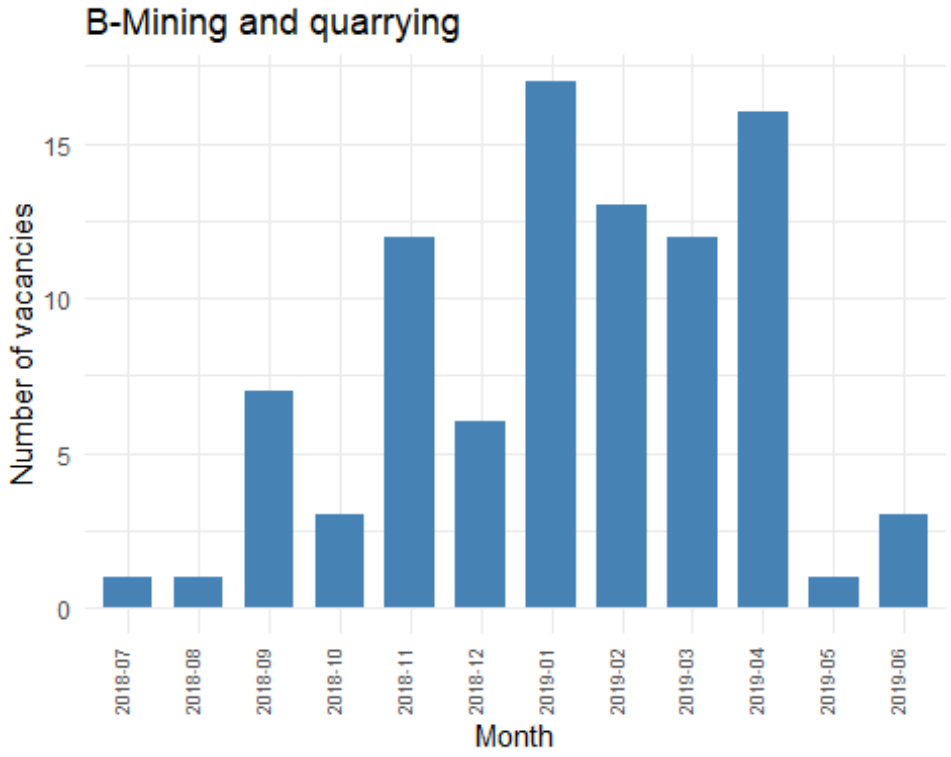

7-Master or equivalent
Number of vacancies
2000
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

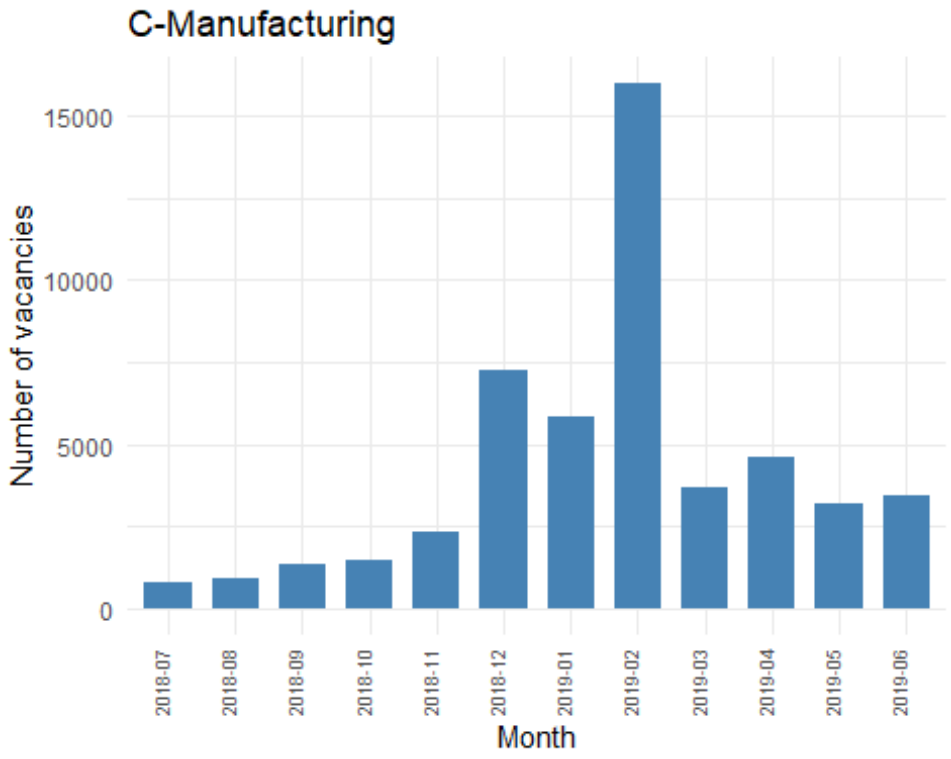

8-Doctoral or equivalent
Number of vacancies
250
200
150
100
50
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

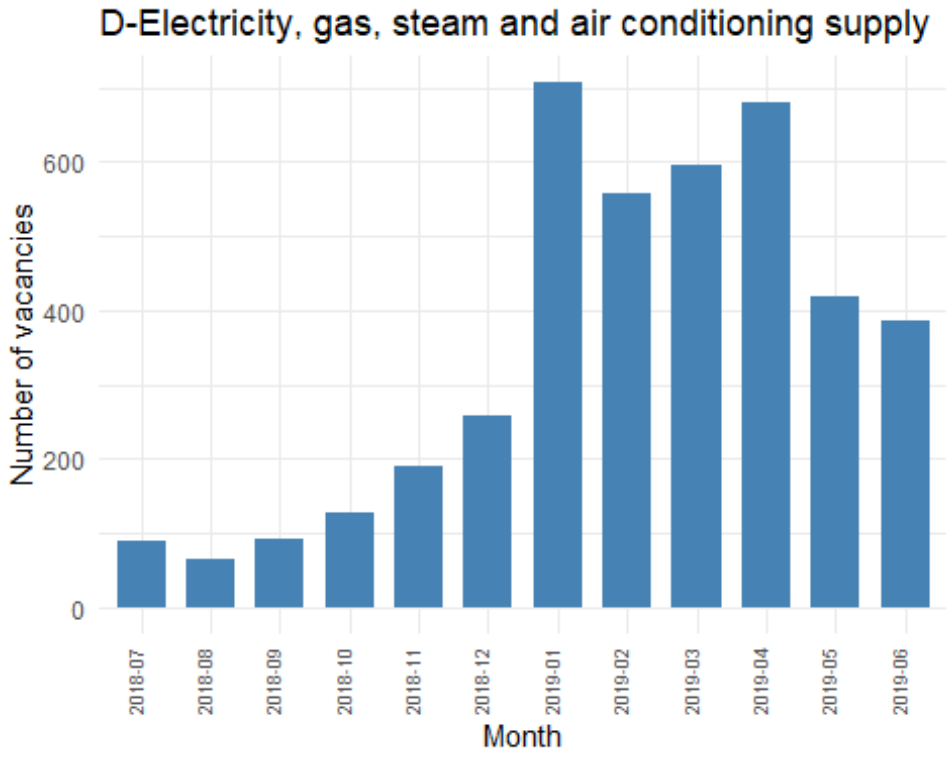

Number of OJAs web scraped monthly by Educational level
1
2
3
4
5
6
7
8
Number of vacancies
Month

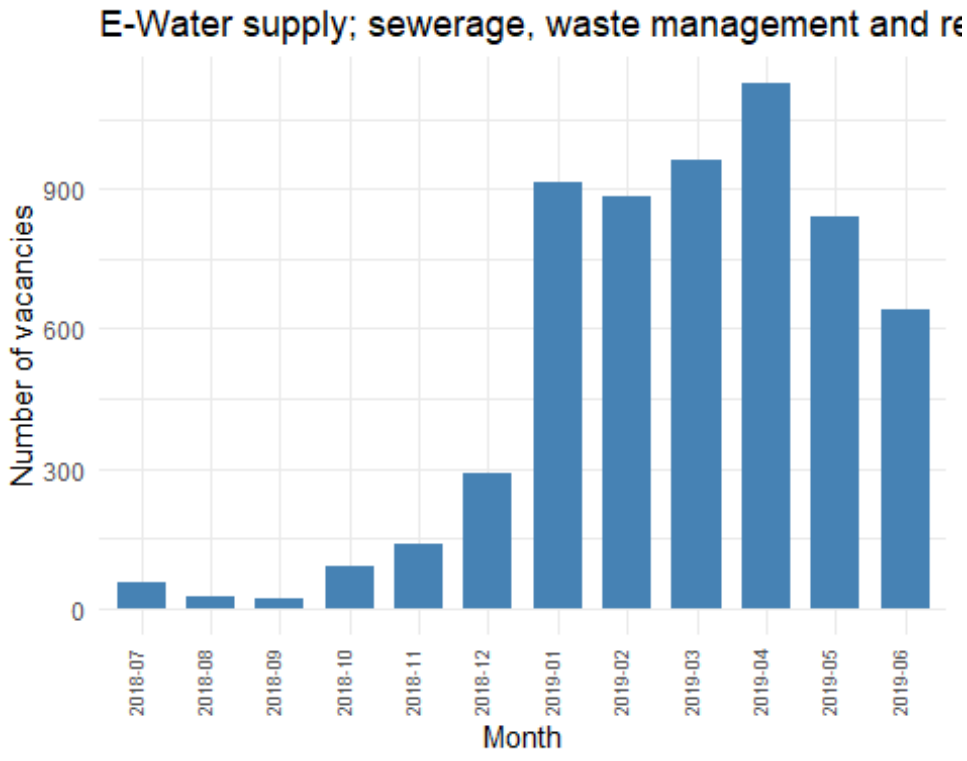
Number of OJAs web scraped monthly by Macro Sector

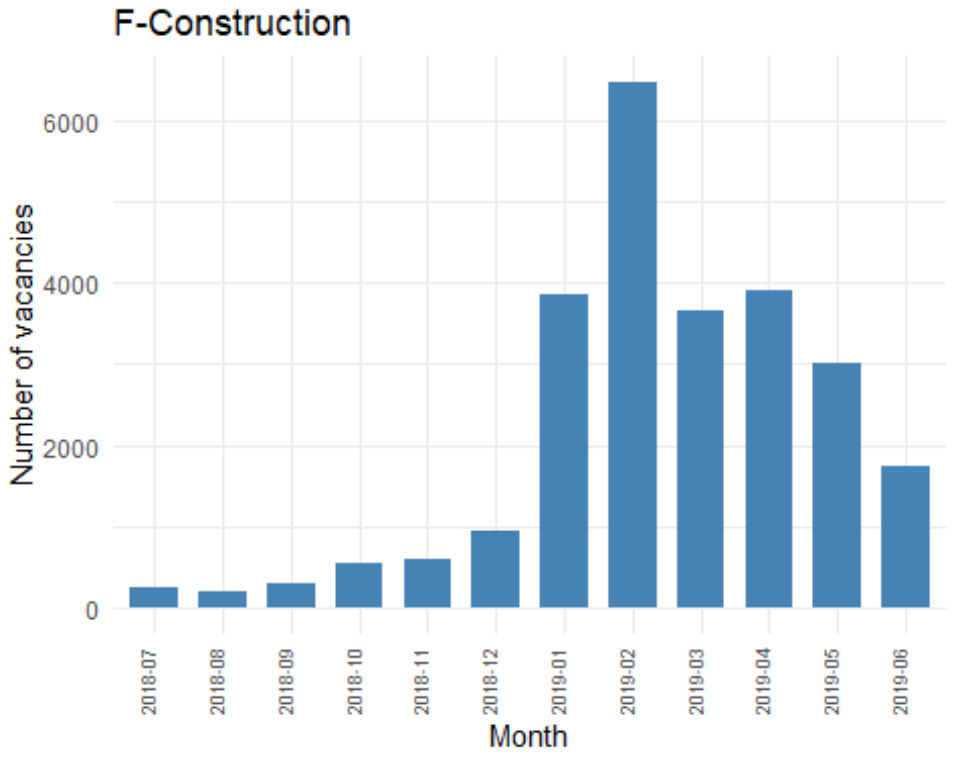


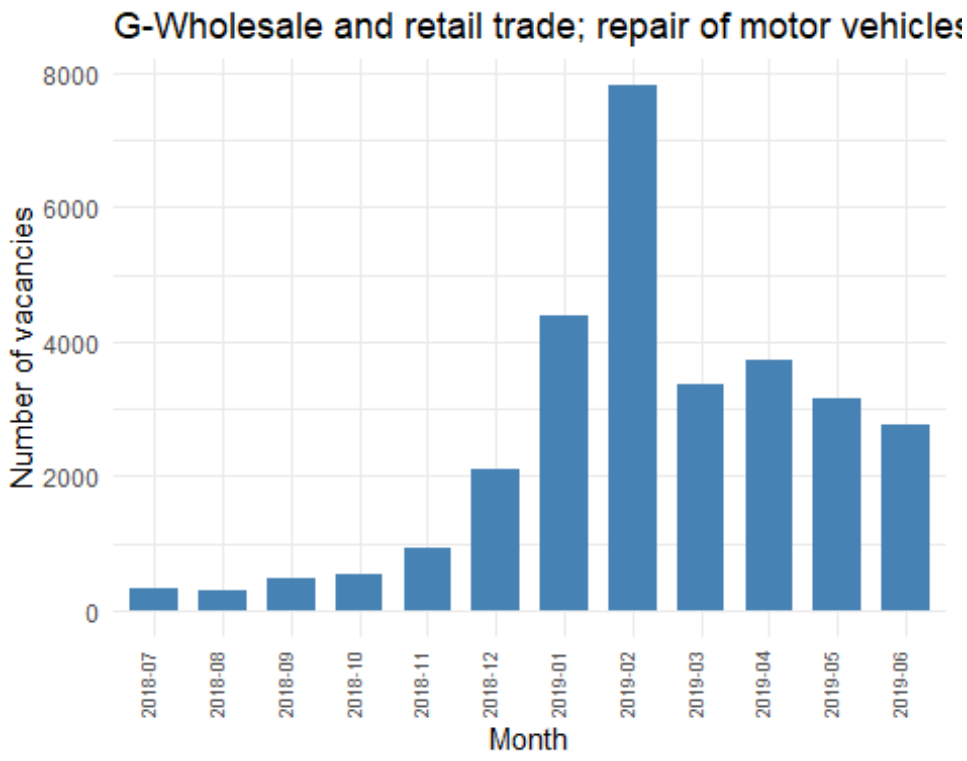


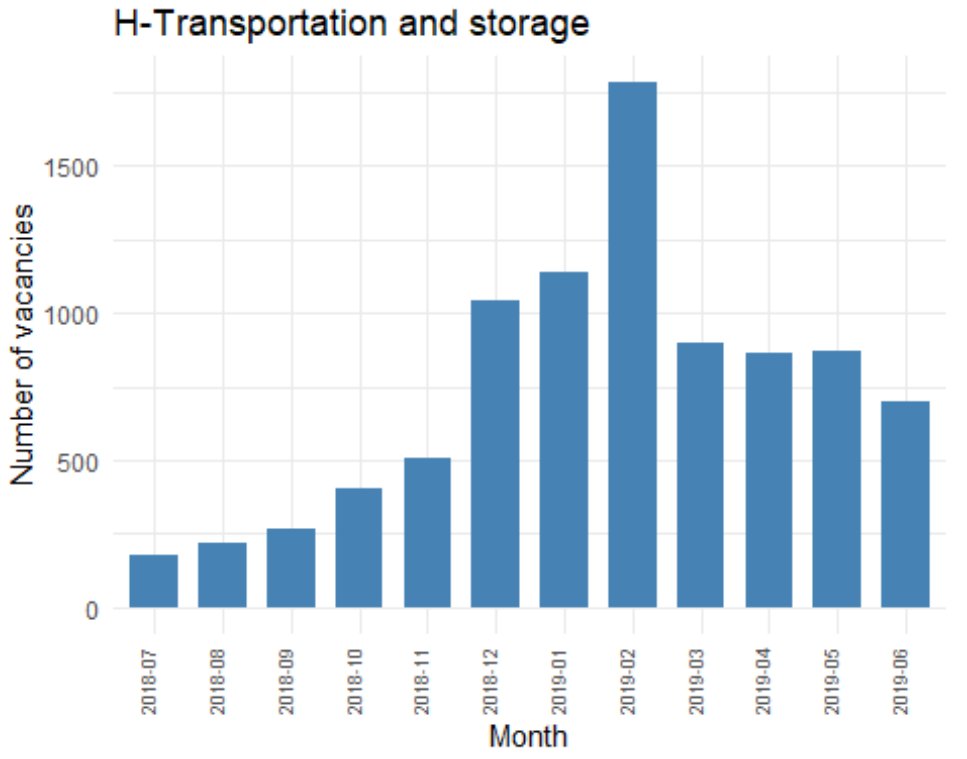

C-Manufacturing
Number of vacancies
15000
10000
5000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

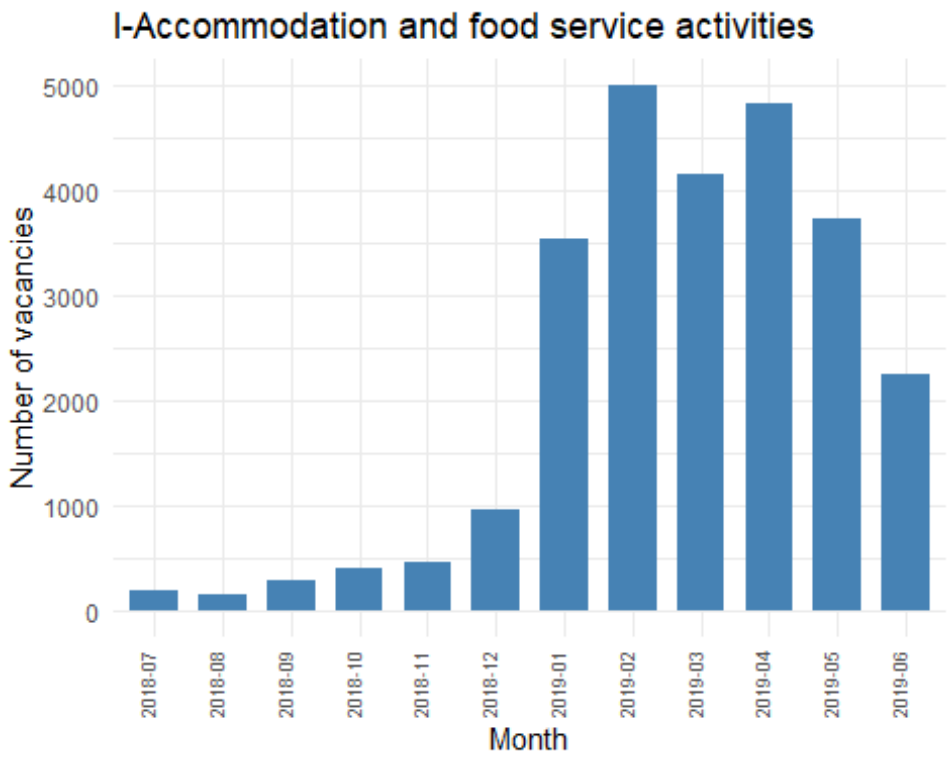

D-Electricity, gas, steam and air conditioning supply
Number of vacancies
600
400
200
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

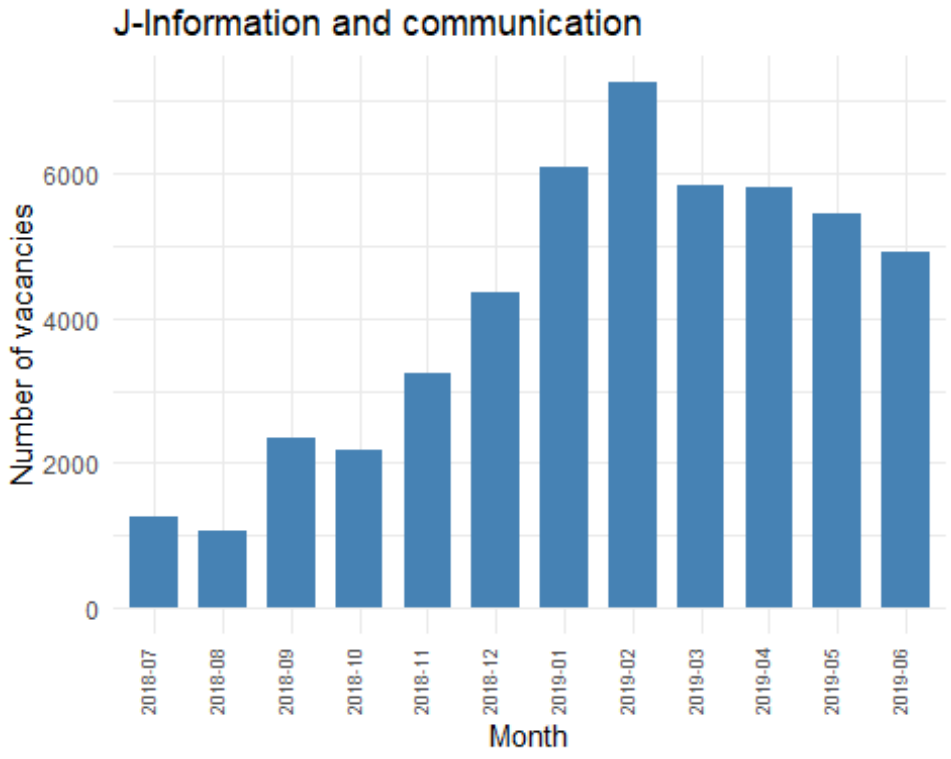

E-Water supply; sewerage, waste management and re
Number of vacancies
0
300
600
900
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

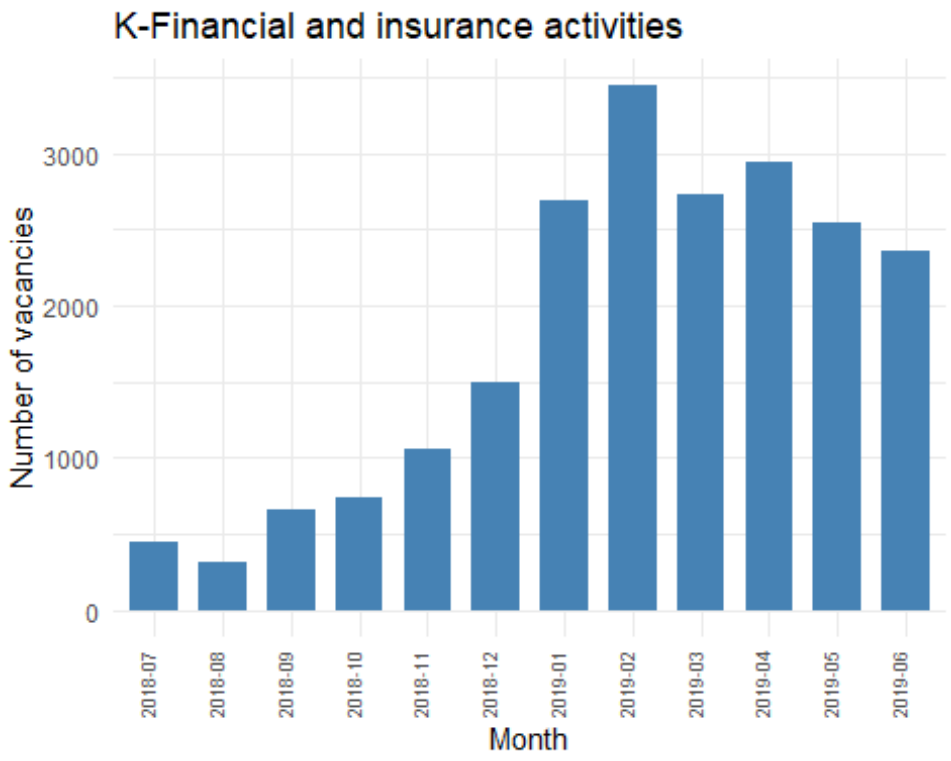

F-Construction
Number of vacancies
0
2000
4000
6000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

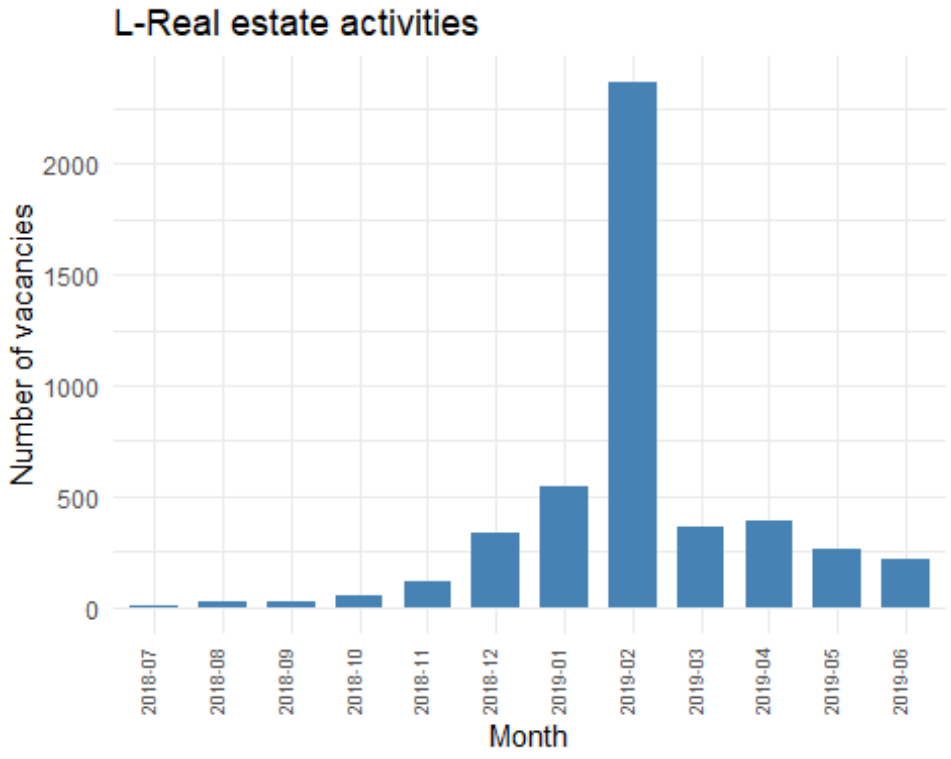

G-Wholesale and retail trade; repair of motor vehicles
Number of vacancies
8000
6000
4000
2000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

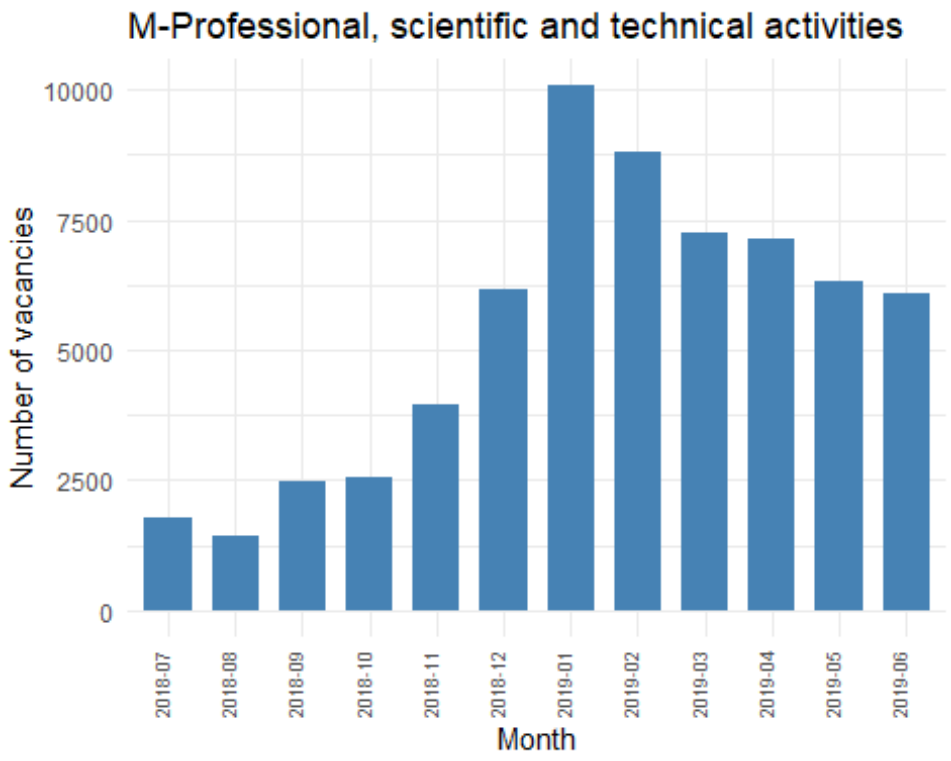

H-Transportation and storage
Number of vacancies
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

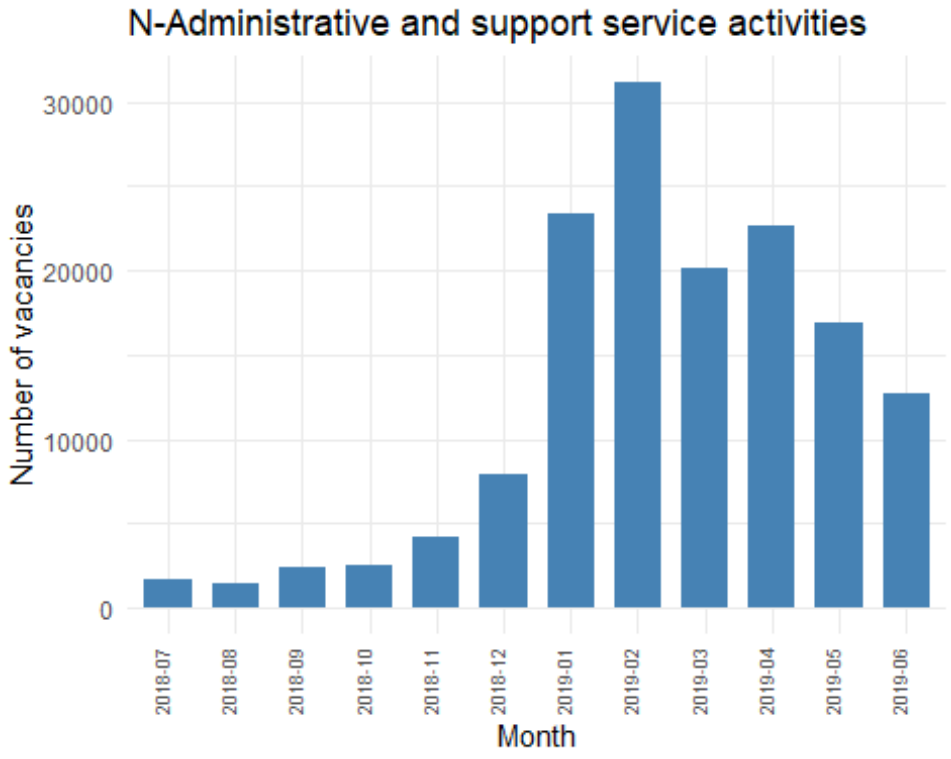

I-Accommodation and food service activities
Number of vacancies
5000
4000
3000
2000
1000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

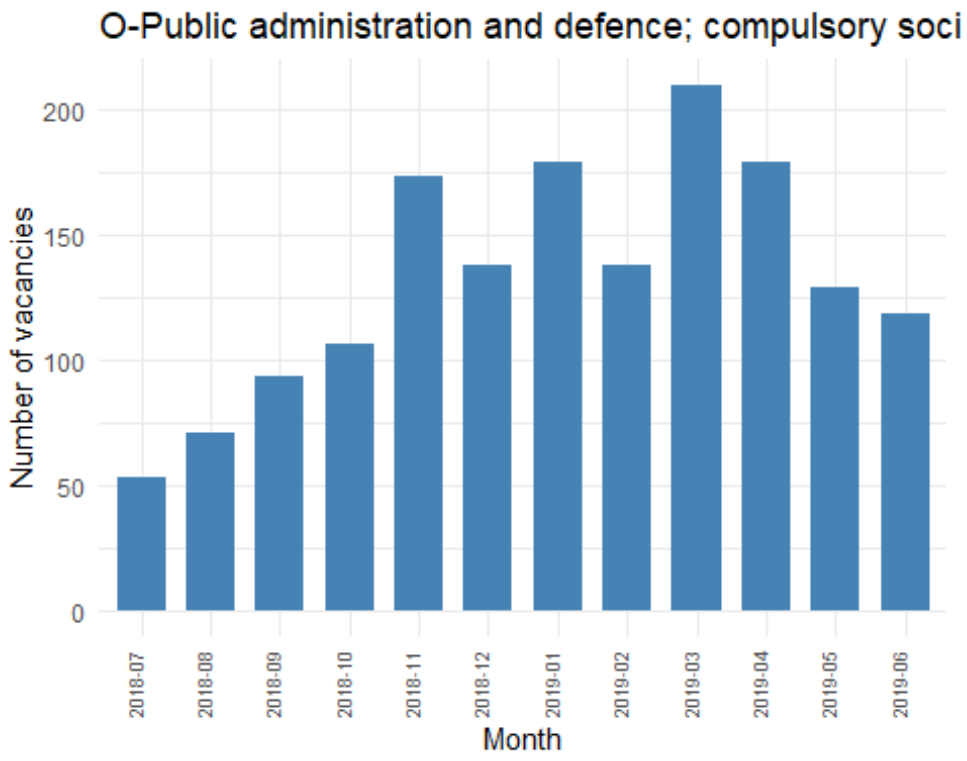

J-Information and communication
Number of vacancies
6000
4000
2000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

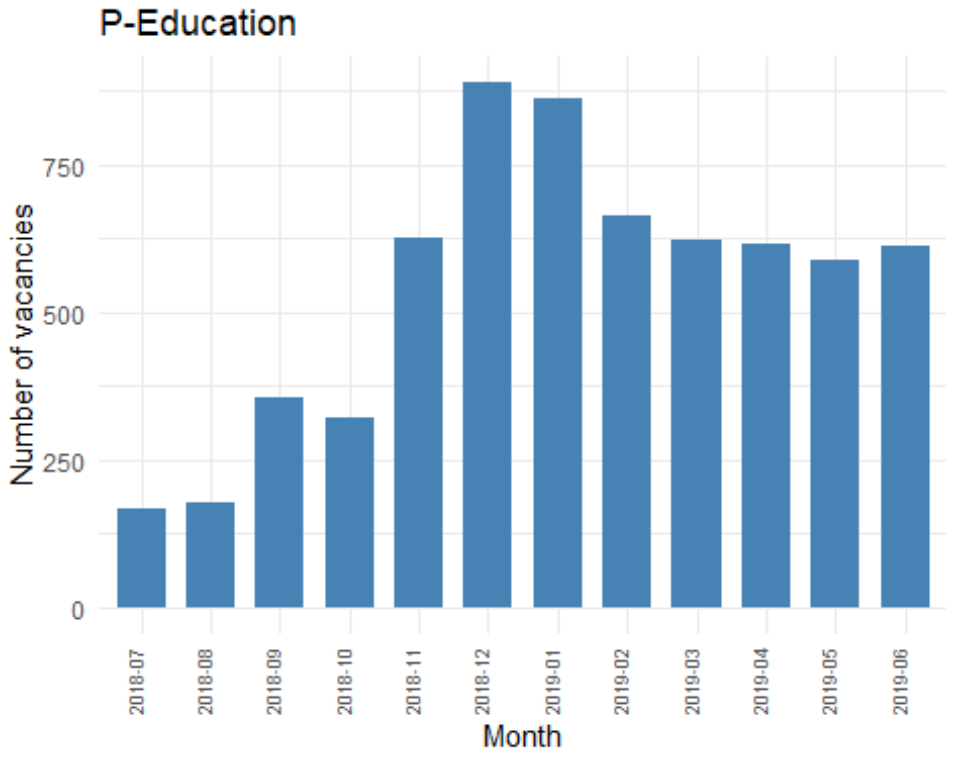

K-Financial and insurance activities
Number of vacancies
3000
2000
1000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

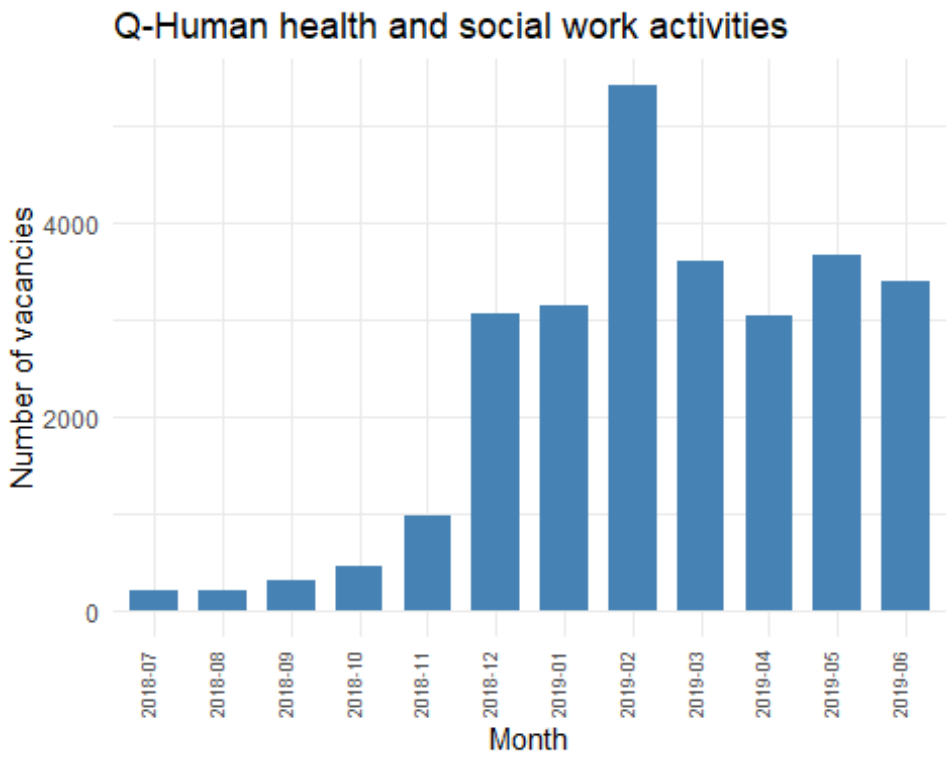

L-Real estate activities
Number of vacancies
2000
1500
1000
500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

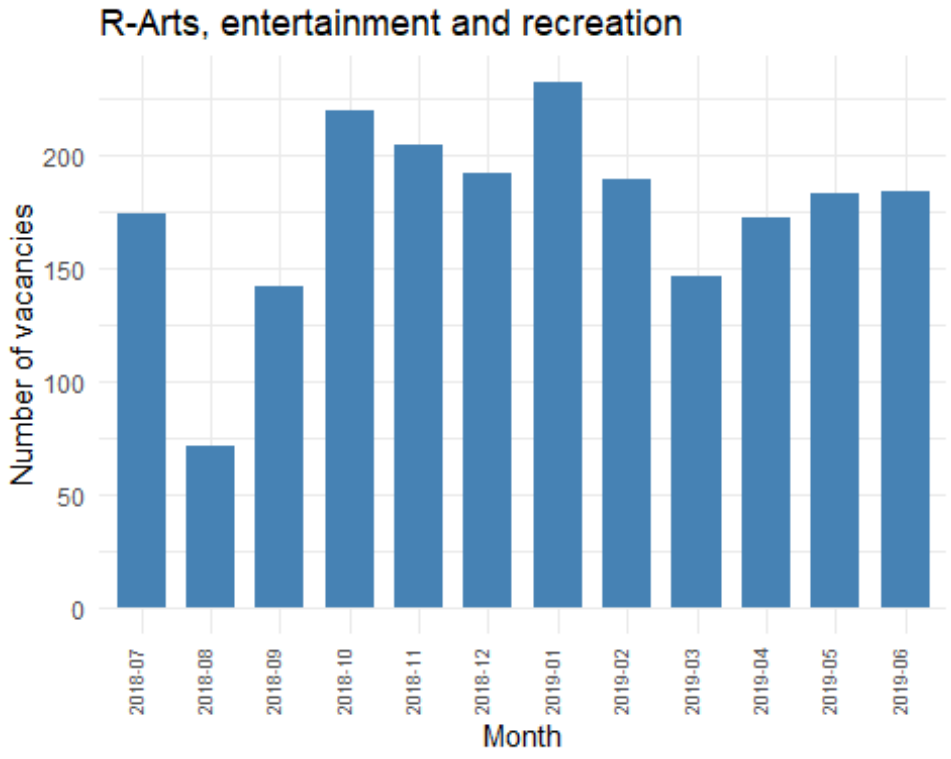

M-Professional, scientific and technical activities
Number of vacancies
10000
7500
5000
2500
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

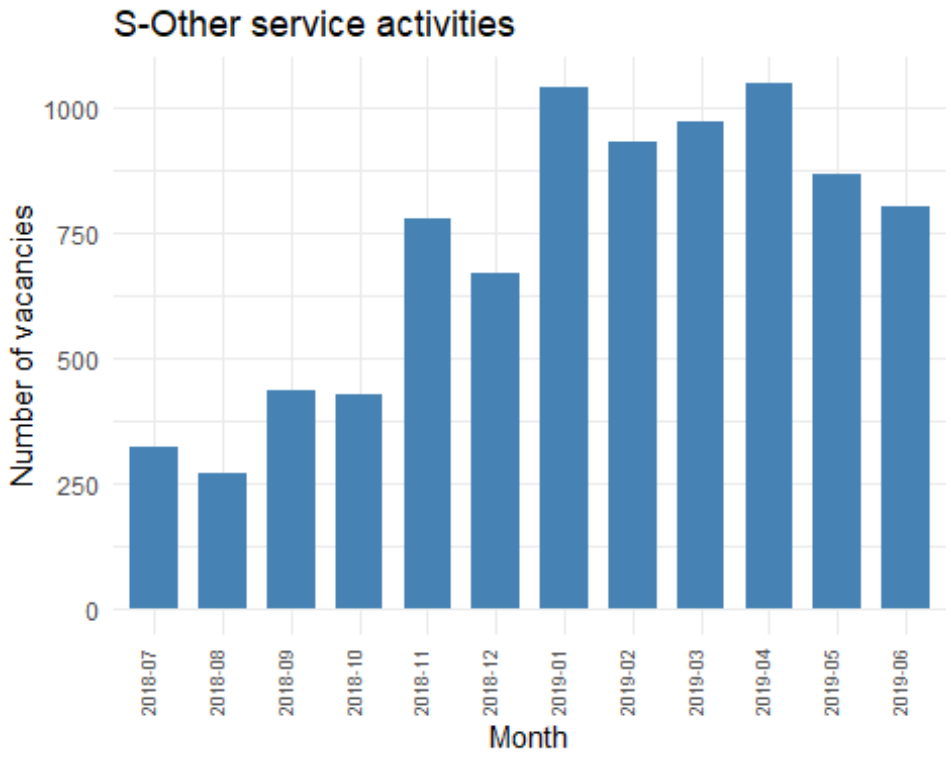

N-Administrative and support service activities
Number of vacancies
30000
20000
10000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

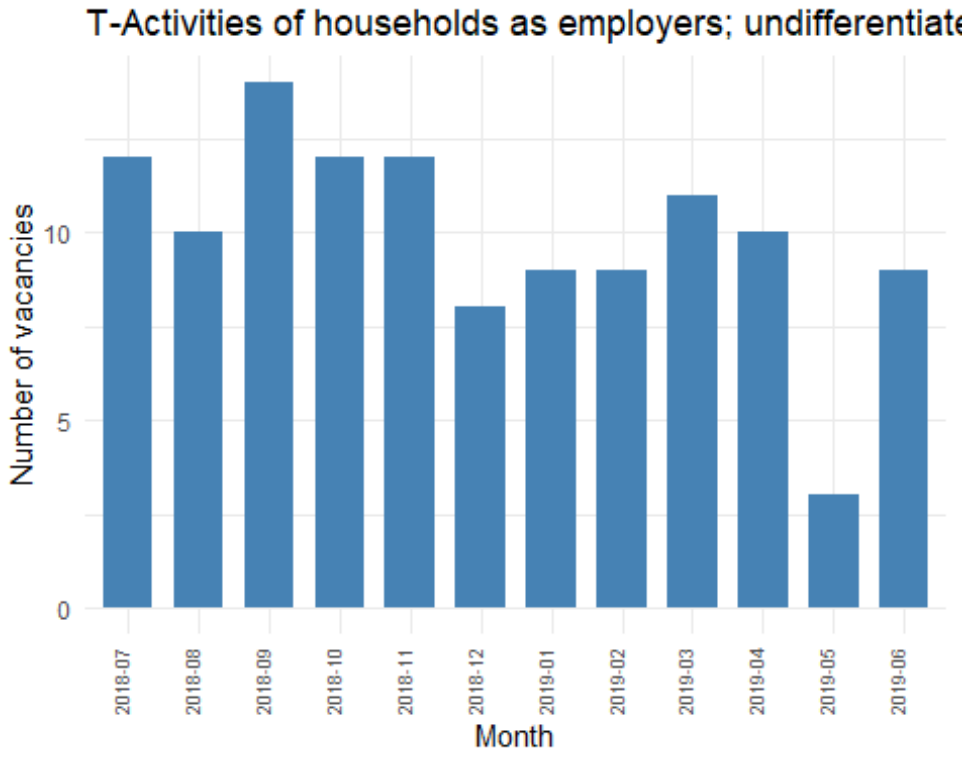

O-Public administration and defence; compulsory soci
Number of vacancies
0
50
100
150
200
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

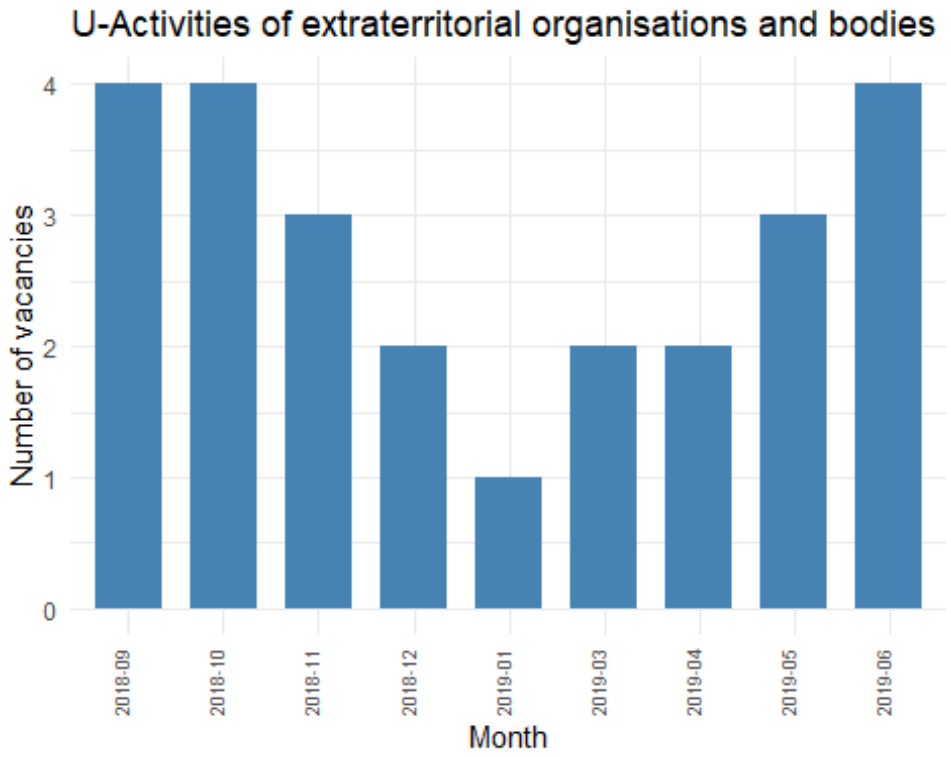

P-Education
Number of vacancies
0
250
500
750
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

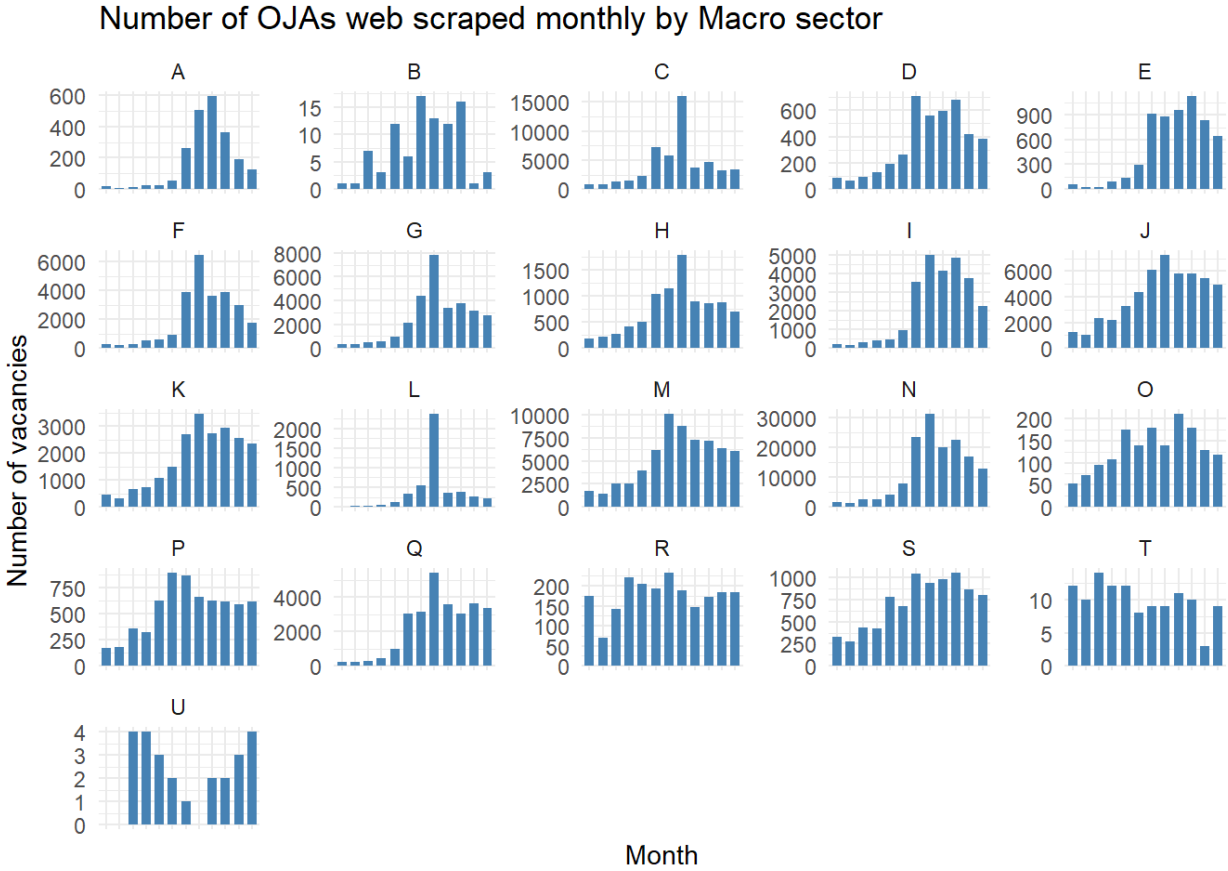

Q-Human health and social work activities
Number of vacancies
0
2000
4000
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month


R-Arts, entertainment and recreation
Number of vacancies
0
50
100
150
200
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

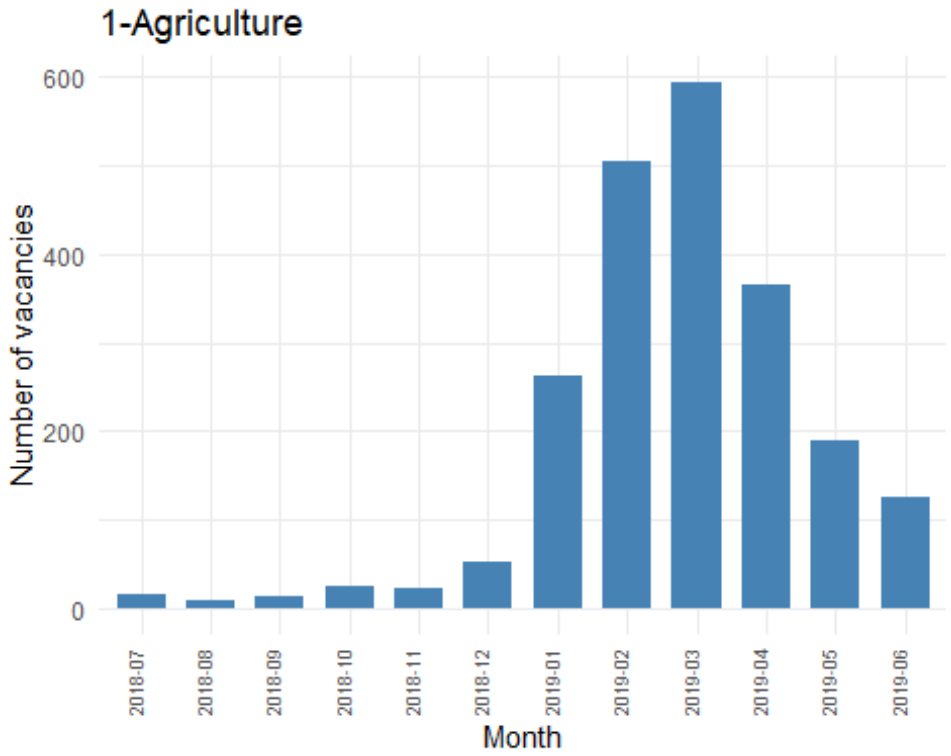

S-Other service activities
Number of vacancies
1000
750
500
250
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

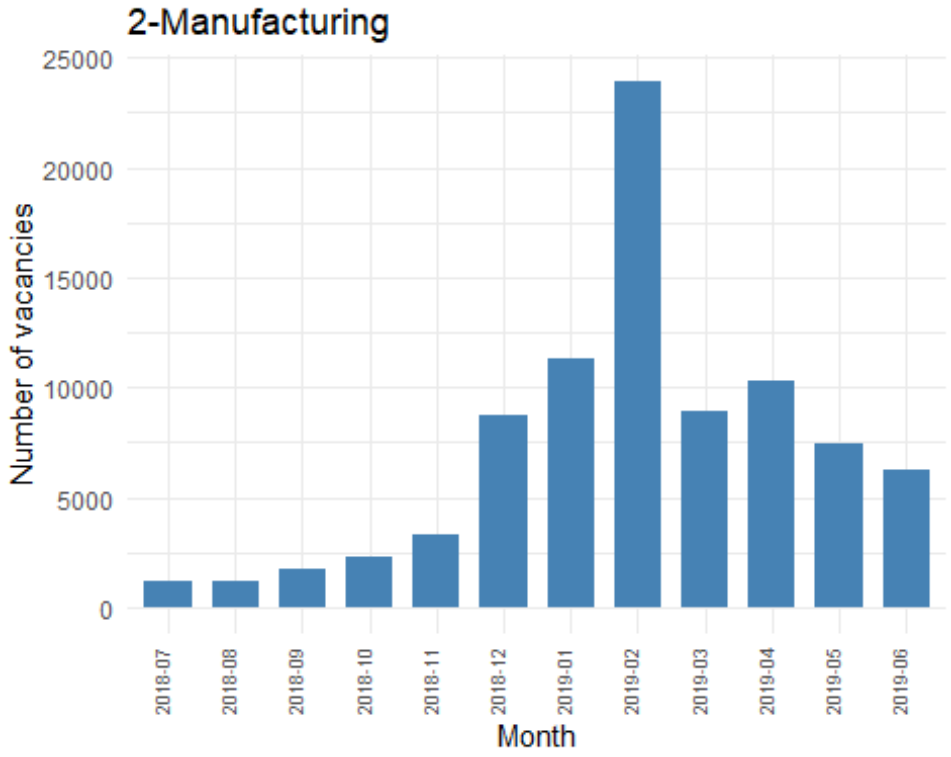

T-Activities of households as employers; undifferentiate
Number of vacancies
10
5
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month

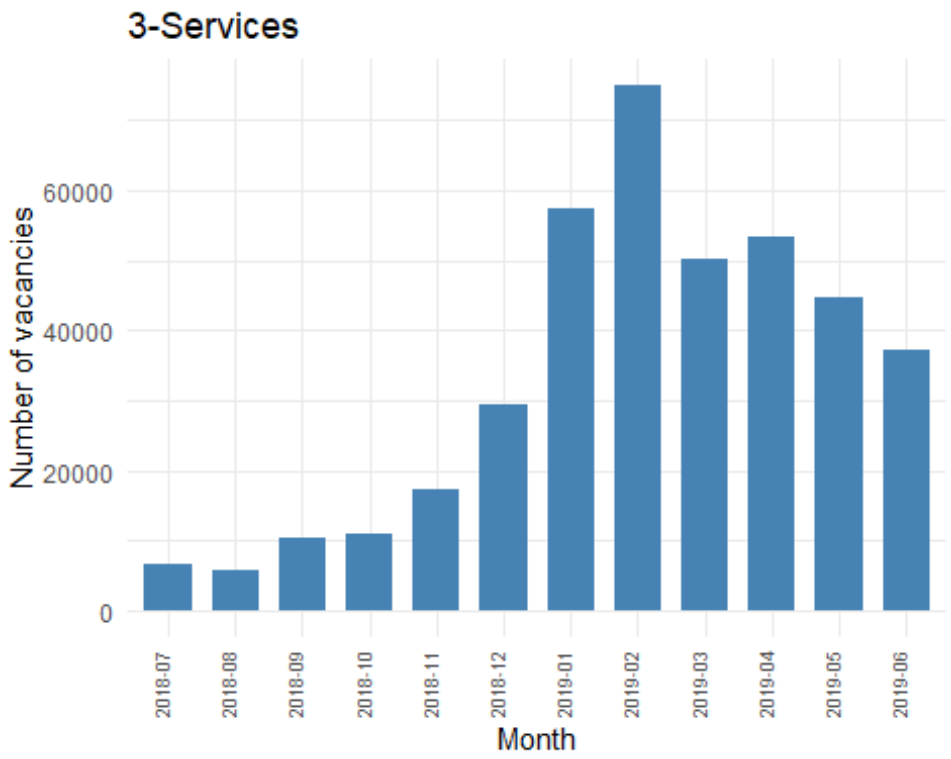

U-Activities of extraterritorial organisations and bodies
Number of vacancies
0
1
2
3
4
2018-09
2018-10
2018-11
2018-12
2019-01
2019-03
2019-04
2019-05
2019-06
Month

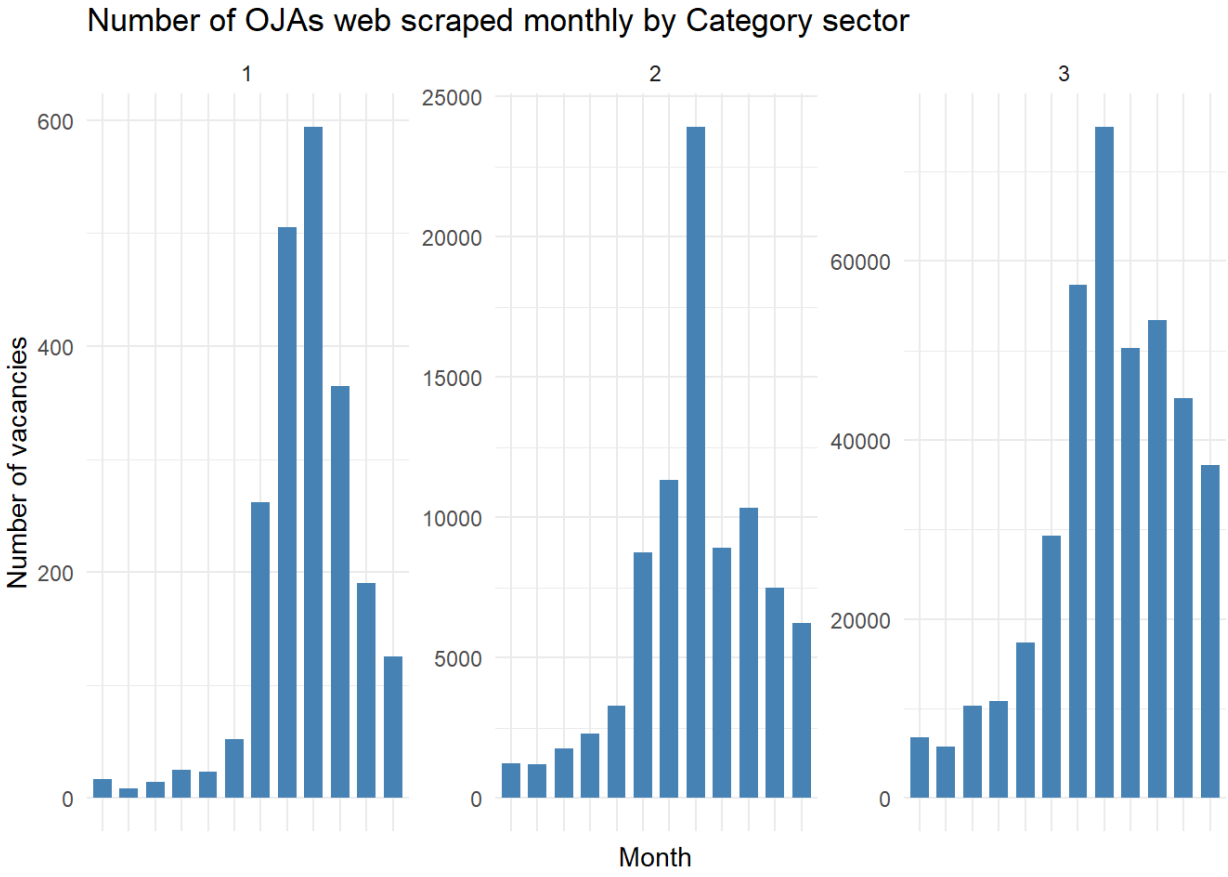

Number of OJAs web scraped monthly by Macro sector
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
Number of vacancies
Month

Number of OJAs web scraped monthly by Category Sector






3-Services
Number of vacancies
60000
40000
20000
0
2018-07
2018-08
2018-09
2018-10
2018-11
2018-12
2019-01
2019-02
2019-03
2019-04
2019-05
2019-06
Month


Number of OJAs web scraped monthly by Category sector
1
2
3
Number of vacancies
600
400
200
0
25000
20000
15000
10000
5000
0
60000
40000
20000
0
Month