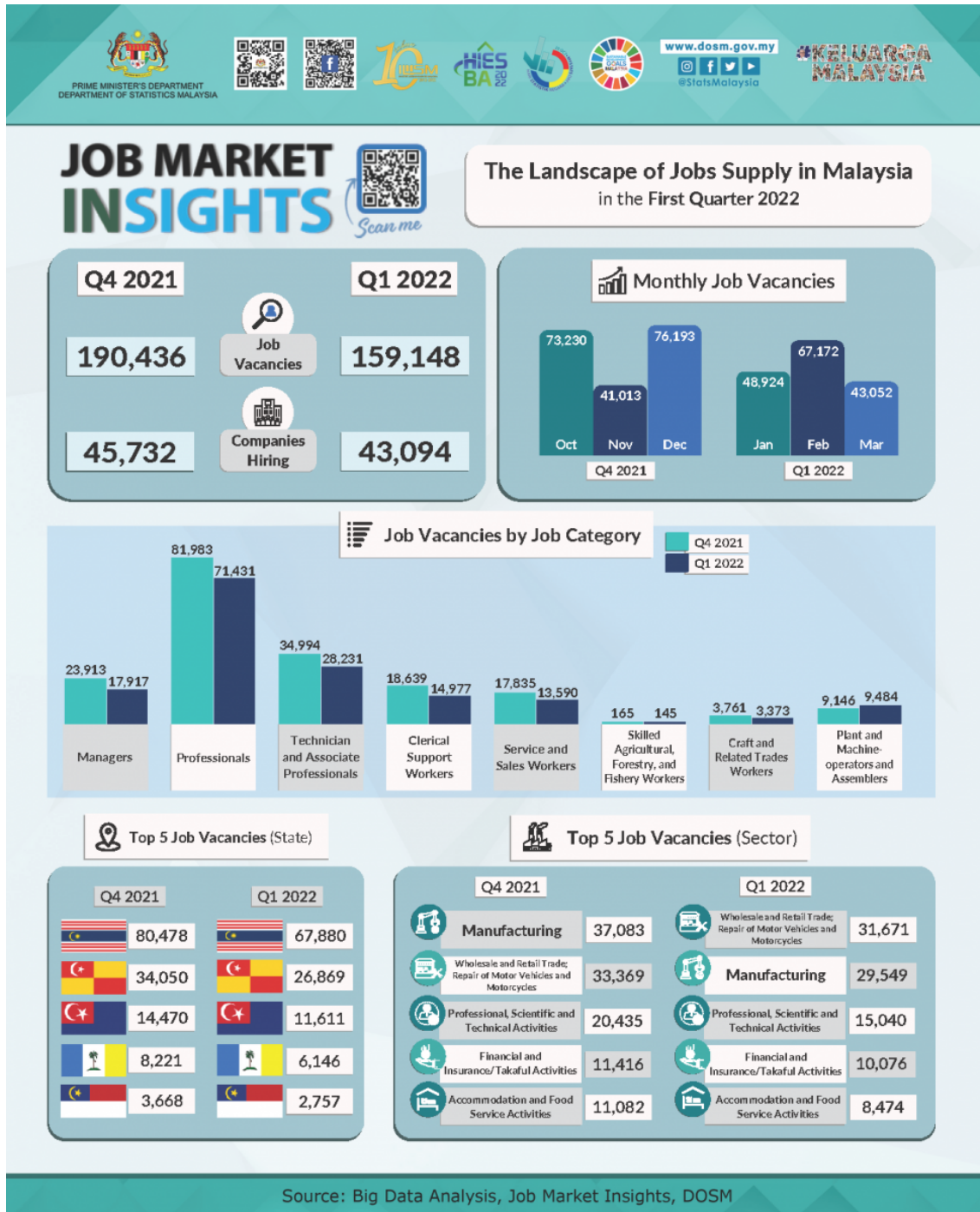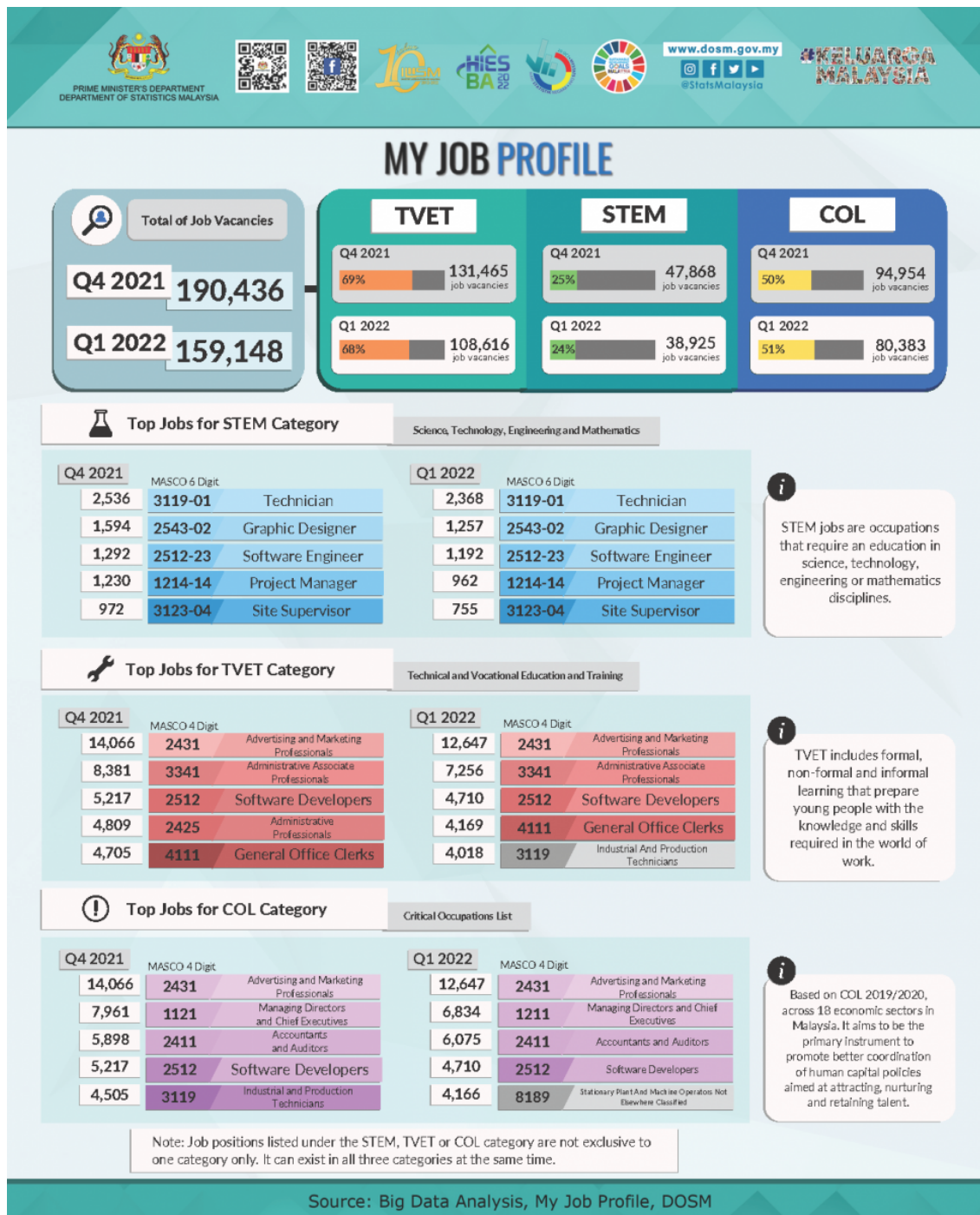MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

JOB VACANCIES LANDSCAPE IN MALAYSIA, FIRST QUARTER OF 2022

JOB MARKET INSIGHTS — Scan me

The Landscape of Jobs Supply in Malaysia in the **First Quarter 2022**

	Q4 2021	Q1 2022
Job Vacancies	190,436	159,148
Companies Hiring	45,732	43,094

Monthly Job Vacancies

	Oct	Nov	Dec	Jan	Feb	Mar
	73,230	41,013	76,193	48,924	67,172	43,052
	Q4 2021			Q1 2022		

Job Vacancies by Job Category (Q4 2021 / Q1 2022)

Category	Q4 2021	Q1 2022
Managers	23,913	17,917
Professionals	81,983	71,431
Technician and Associate Professionals	34,994	28,231
Clerical Support Workers	18,639	14,977
Service and Sales Workers	17,835	13,590
Skilled Agricultural, Forestry, and Fishery Workers	165	145
Craft and Related Trades Workers	3,761	3,373
Plant and Machine-operators and Assemblers	9,146	9,484

Top 5 Job Vacancies (State)

Q4 2021	Q1 2022
80,478	67,880
34,050	26,869
14,470	11,611
8,221	6,146
3,668	2,757

Top 5 Job Vacancies (Sector)

Q4 2021		Q1 2022	
Manufacturing	37,083	Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	31,671
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	33,369	Manufacturing	29,549
Professional, Scientific and Technical Activities	20,435	Professional, Scientific and Technical Activities	15,040
Financial and Insurance/Takaful Activities	11,416	Financial and Insurance/Takaful Activities	10,076
Accommodation and Food Service Activities	11,082	Accommodation and Food Service Activities	8,474

Source: Big Data Analysis, Job Market Insights, DOSM

MY JOB PROFILE

Total of Job Vacancies

Q4 2021	190,436
Q1 2022	159,148

TVET
Q4 2021	69%	131,465 job vacancies
Q1 2022	68%	108,616 job vacancies

STEM
Q4 2021	25%	47,868 job vacancies
Q1 2022	24%	38,925 job vacancies

COL
Q4 2021	50%	94,954 job vacancies
Q1 2022	51%	80,383 job vacancies

Top Jobs for STEM Category
Science, Technology, Engineering and Mathematics

Q4 2021 — MASCO 6 Digit

Count	MASCO	Job
2,536	3119-01	Technician
1,594	2543-02	Graphic Designer
1,292	2512-23	Software Engineer
1,230	1214-14	Project Manager
972	3123-04	Site Supervisor

Q1 2022 — MASCO 6 Digit

Count	MASCO	Job
2,368	3119-01	Technician
1,257	2543-02	Graphic Designer
1,192	2512-23	Software Engineer
962	1214-14	Project Manager
755	3123-04	Site Supervisor

STEM jobs are occupations that require an education in science, technology, engineering or mathematics disciplines.

Top Jobs for TVET Category
Technical and Vocational Education and Training

Q4 2021 — MASCO 4 Digit

Count	MASCO	Job
14,066	2431	Advertising and Marketing Professionals
8,381	3341	Administrative Associate Professionals
5,217	2512	Software Developers
4,809	2425	Administrative Professionals
4,705	4111	General Office Clerks

Q1 2022 — MASCO 4 Digit

Count	MASCO	Job
12,647	2431	Advertising and Marketing Professionals
7,256	3341	Administrative Associate Professionals
4,710	2512	Software Developers
4,169	4111	General Office Clerks
4,018	3119	Industrial And Production Technicians

TVET includes formal, non-formal and informal learning that prepare young people with the knowledge and skills required in the world of work.

Top Jobs for COL Category
Critical Occupations List

Q4 2021 — MASCO 4 Digit

Count	MASCO	Job
14,066	2431	Advertising and Marketing Professionals
7,961	1121	Managing Directors and Chief Executives
5,898	2411	Accountants and Auditors
5,217	2512	Software Developers
4,505	3119	Industrial and Production Technicians

Q1 2022 — MASCO 4 Digit

Count	MASCO	Job
12,647	2431	Advertising and Marketing Professionals
6,834	1211	Managing Directors and Chief Executives
6,075	2411	Accountants and Auditors
4,710	2512	Software Developers
4,166	8189	Stationary Plant And Machine Operators Not Elsewhere Classified

Based on COL 2019/2020, across 18 economic sectors in Malaysia. It aims to be the primary instrument to promote better coordination of human capital policies aimed at attracting, nurturing and retaining talent.

Note: Job positions listed under the STEM, TVET or COL category are not exclusive to one category only. It can exist in all three categories at the same time.

Source: Big Data Analysis, My Job Profile, DOSM

Job Market Insights and **My Job Profile** are quarterly releases by the Institute of Labour Market Information and Analysis (ILMIA), Department of Statistics, Malaysia (DOSM). These statistics are compiled based on the job vacancies advertised online by private popular recruitment websites in the reference period. The report contains information on job vacancies advertised online by employers from various aspects such as by the type of occupation, location, industry, skills, the field of studies and others.

Job Market Insights (JMI) present the summary of job vacancies information advertised online in Malaysia. JMI aims to assess the changes in workforce demand over time while facilitating any interested parties to gather valuable insights for decision making.

My Job Profile is an online career information portal that offers in-depth details about the occupation in Malaysia at Malaysia Standard Classification of Occupations (MASCO) 2020 at 4-digit levels. Through this portal, quality and timely job's information will be readily available for various user categories to assist them in making informed decisions about their careers and future aspirations.
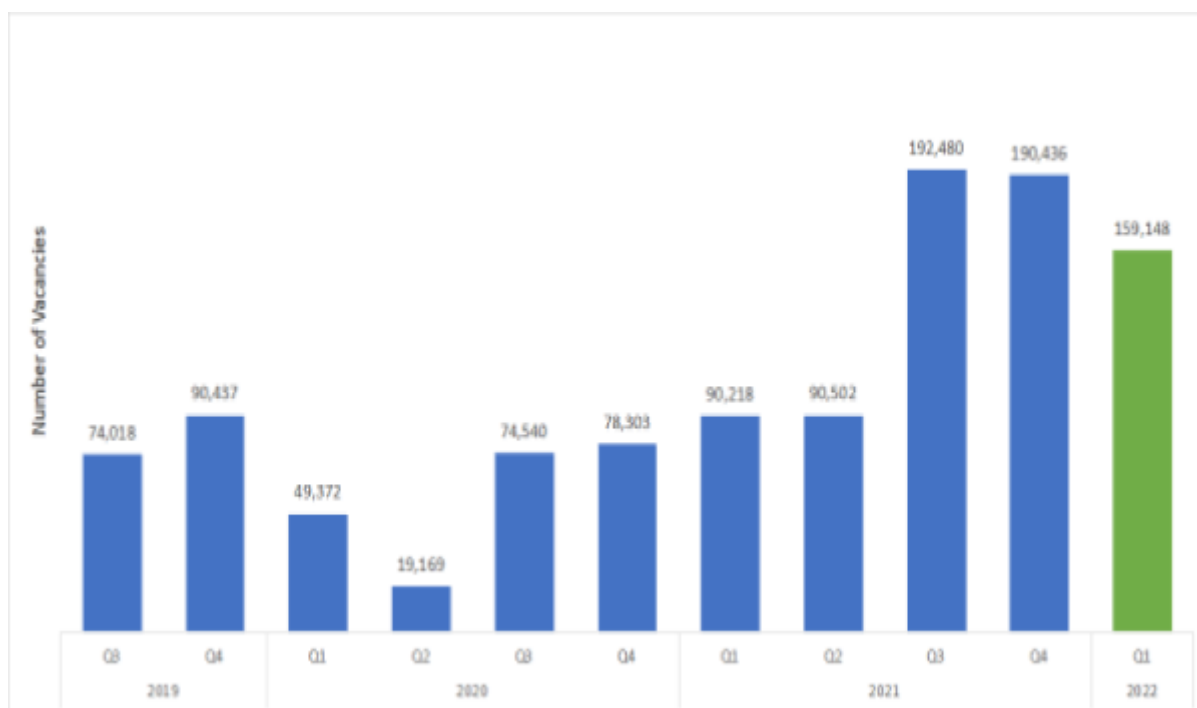
The statistics from this report must be interpreted with caution due to the data limitation. As is often the case with big data, although the report and information from Big Data Analytics: Job Market Insights and My Job Profile are elaborated, these online job vacancies do not represent the whole population of job vacancies in Malaysia. The report only collected data from four popular recruitment websites. There are no legal provisions that mandate registration of job openings by employers. Besides, MASCO 2020 Category 9 (Elementary Workers) and category 0 (Army) are also excluded from this report.

The Job Market Insights and My Job Profile can be used by policymakers, academicians, economists, researchers and other users for studies related to the labour market. It is hoped that this report can facilitate the growing demand for labour market statistics.

Key Reviews

- Starting from Q3 2020, there were an increase in the number of online job vacancies advertised. In Q1 2020, a total of 49,372 vacancies were advertised while in Q1 2021, the total vacancies increased to 90,218 and **soared up** to 159,148 in Q1 2022. However, the number of vacancies advertised online for Q1 2022 decreased by 16.4 per cent from 190,436 in Q4 2021.
- On a monthly basis of Q1 2022, the number of vacancies advertised online was the highest in February 2022 with 67,172 vacancies. Meanwhile, January and March recorded 48,924 and 43,052 respectively.

Chart 1: Job Vacancies Advertised Online, for the Third Quarter 2019 to First Quarter 2022

Note: The statistics from this report must be interpreted with caution due to the data limitation as it is gathered via big data analytics (using web scraping techniques) and does not reflect the actual population of job vacancies.

- Most of the employers demanded Professional category workers (44.9%), followed by Technicians and Associate Professionals (17.7%) and Managers (11.3%). By ranking, the five most popular jobs offered during the reference period were Advertising and Marketing Professional, Administrative Associate Professional, Managing Director and Chief Executive Officer, Accountant and Auditor and Software Developer.

Chart 2: Job Vacancies Advertised Online by Occupation Category for Fourth Quarter 2021 and First Quarter 2022
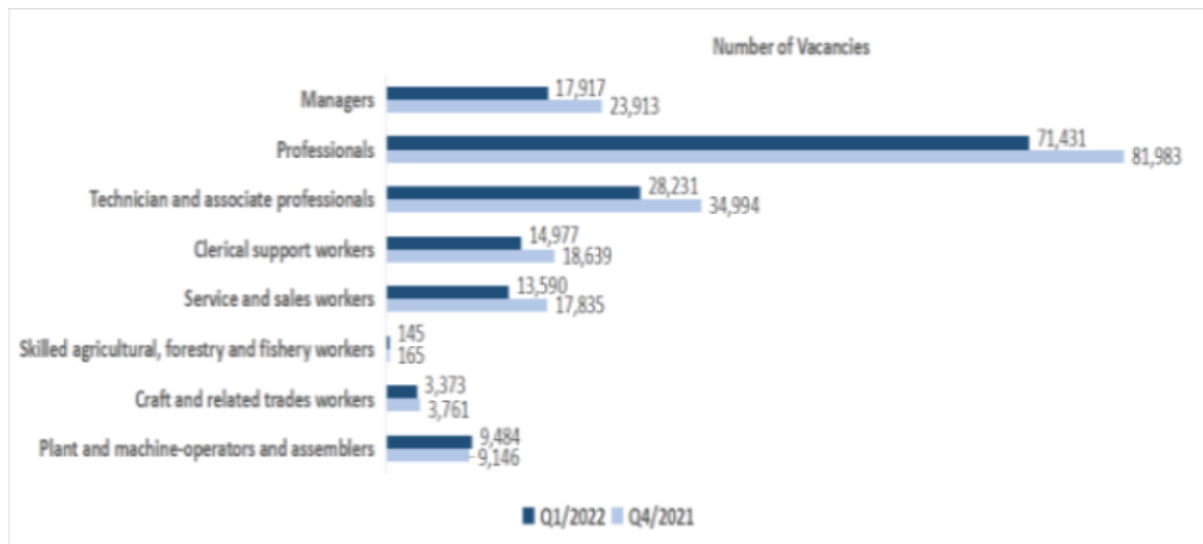
Number of Vacancies

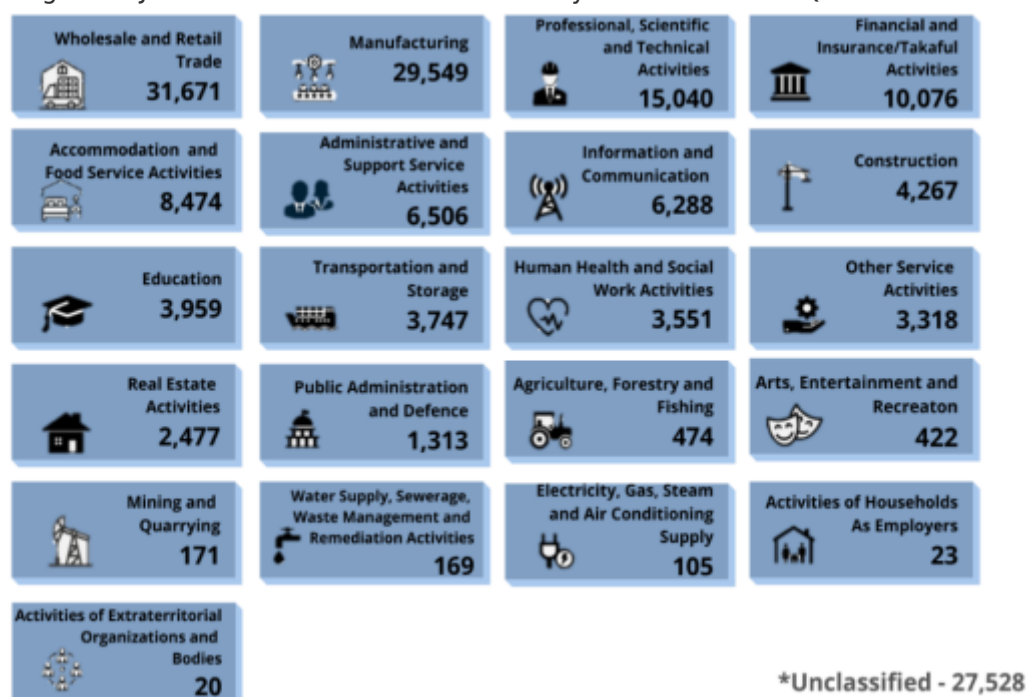| Category	Q1/2022	Q4/2021
Managers	17,917	23,913
Professionals	71,431	81,983
Technician and associate professionals	28,231	34,994
Clerical support workers	14,977	18,639
Service and sales workers	13,590	17,835
Skilled agricultural, forestry and fishery workers	145	165
Craft and related trades workers	3,373	3,761
Plant and machine-operators and assemblers	9,484	9,146

■ Q1/2022 ■ Q4/2021

Note: The statistics from this report must be interpreted with caution due to the data limitation as it is gathered via big data analytics (using web scraping techniques) and does not reflect the actual population of job vacancies.

- In Q1 2022, the three (3) jobs in the Technical dan Vocational Education and Training (TVET) category that recorded the highest number of vacancies were Advertising and Marketing Professionals, Administrative Associate Professionals and Software Developers. Meanwhile, Advertising and Marketing Professionals, Managing Director and Chief Executive Officer as well as Accountants and Auditors were the highest Critical Occupation List (COL) category jobs advertised online during the reference period. In addition, popular jobs offered in the Science, Technology, Engineering and Mathematics (STEM) category were Technician, Graphic Designer and Software Engineer.

Figure 1: Top Five Job Vacancies Advertised Online for STEM, TVET and COL categories for First Quarter

2022

Top 5 Job Vacancies Category STEM (MASCO 6 Digit)
- 1. Technician — 2,368
- 2. Graphic Designer — 1,257
- 3. Software Engineer — 1,192
- 4. Project Manager — 962
- 5. Site Supervisor — 755

Top 5 Job Vacancies Category TVET (MASCO 4 Digit)
- 1. Advertising and Marketing Professionals — 12,647
- 2. Administrative Associate Professionals — 7,256
- 3. Software Developers — 4,710
- 4. General Office Clerks — 4,169
- 5. Industrial and Production Technicians — 4,018

Top 5 Job Vacancies Category COL (MASCO 4 Digit)
- 1. Advertising and Marketing Professionals — 12,647
- 2. Managing Directors and Chief Executives — 6,834
- 3. Accountants and Auditors — 6,075
- 4. Software Developers — 4,710
- 5. Stationary Plant and Machine Operators Not Elsewhere Classification — 4,166

Note: The statistics from this report must be interpreted with caution due to the data limitation as it is gathered via big data analytics (using web scraping techniques) and does not reflect the actual population of job vacancies.

- The job vacancies were reported in all industries, particularly in Wholesale and Retail Trade, Repair

of Motor Vehicles and Motorcycles sector; Manufacturing; Professional, Scientific and Technical Activities; Financial and Insurance/Takaful Activities as well as Accommodation and Food Service Activities.
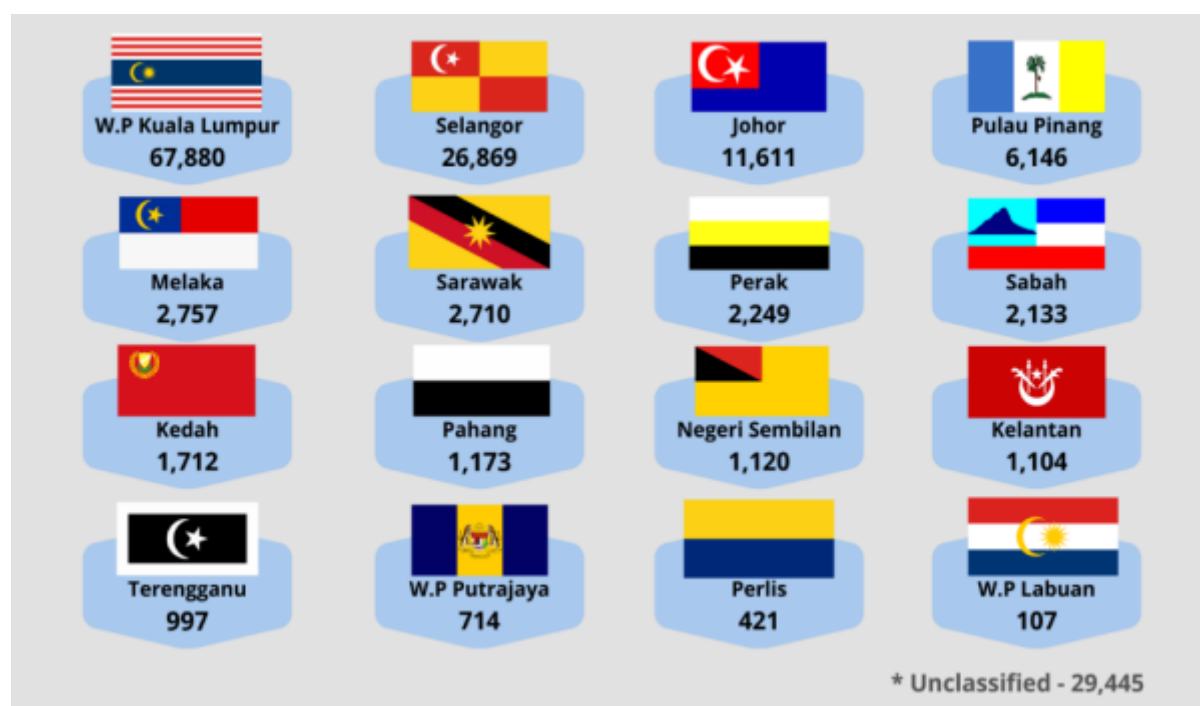
Figure 2: Job Vacancies Advertised Online by Sectors for First Quarter 2022

Wholesale and Retail Trade	Manufacturing	Professional, Scientific and Technical Activities	Financial and Insurance/Takaful Activities
31,671	29,549	15,040	10,076
Accommodation and Food Service Activities	Administrative and Support Service Activities	Information and Communication	Construction
8,474	6,506	6,288	4,267
Education	Transportation and Storage	Human Health and Social Work Activities	Other Service Activities
3,959	3,747	3,551	3,318
Real Estate Activities	Public Administration and Defence	Agriculture, Forestry and Fishing	Arts, Entertainment and Recreaton
2,477	1,313	474	422
Mining and Quarrying	Water Supply, Sewerage, Waste Management and Remediation Activities	Electricity, Gas, Steam and Air Conditioning Supply	Activities of Households As Employers
171	169	105	23
Activities of Extraterritorial Organizations and Bodies			
20			*Unclassified - 27,528

Note: The statistics from this report must be interpreted with caution due to the data limitation as it is gathered via big data analytics (using web scraping techniques) and does not reflect the actual population of job vacancies.

- Observing the vacancies advertised by geography in Q1 2022, Federal Territory of Kuala Lumpur recorded the highest job offers at 67,880 followed by Selangor (26,869), Johor (11,611), Penang (6,146) and Melaka (2,757).

Figure 3: Job Vacancies Advertised Online by State for First Quarter 2022

W.P Kuala Lumpur	Selangor	Johor	Pulau Pinang
67,880	26,869	11,611	6,146
Melaka	Sarawak	Perak	Sabah
2,757	2,710	2,249	2,133
Kedah	Pahang	Negeri Sembilan	Kelantan
1,712	1,173	1,120	1,104
Terengganu	W.P Putrajaya	Perlis	W.P Labuan
997	714	421	107

* Unclassified - 29,445

Note: The statistics from this report must be interpreted with caution due to the data limitation as it is gathered via big data analytics (using web scraping techniques) and does not reflect the actual population of job vacancies.

The time series of the number of job vacancies advertised online by industry, occupation and state is shown in Summary Table. The detailed information and interactive data visualisation of both Job Market Insights and My Job Profile can be obtained from our website.

The Department of Statistics Malaysia (DOSM) is conducting the Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 to 31st December 2022 and the Annual Economic Survey 2022 (AES 2022) from 15th April 2022 to 30th September 2022. DOSM greatly appreciates the cooperation given by selected respondents by sharing their information with DOSM and making the survey a success. Please visit www.dosm.gov.my for more information.

The full publication can be downloaded through eStatistik portal.

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