



HELLENIC REPUBLIC  
Ministry of Labour  
and Social Insurance

Unit of Experts in Employment,  
Social Insurance, Welfare and  
Social Affairs (M.E.K.Y.)



Mechanism  
of Labour  
Market Diagnosis

ELSTAT: The labour market in Greece (2015-2022)  
**Comparative analysis of education  
and skill level (Employment)**

USER GUIDE FOR THE DASHBOARD

- **Employment of graduates of tertiary education and above**
- **Employment of graduates of post-secondary education and above**
- **Employment of secondary education**



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## The website of Mechanism of Labour Market Diagnosis

All the interactive tables are posted on the **Mechanism of Labour Market Diagnosis** website: <https://mdaee.gr/> and are accessible to website visitors (Desktop version) through the main options menu and the thematic categories that are being developed.

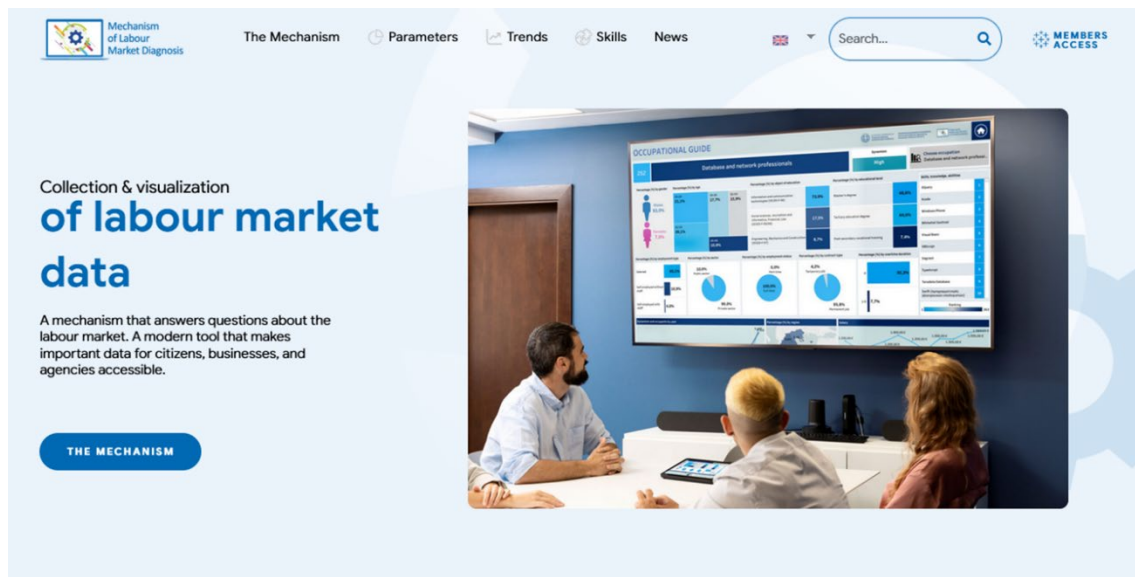


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

The interactive tables, created with ELSTAT data for **Comparative analysis of education and skill level (Employment)**, are presented in the thematic unit **Trends (labour market)** and more specific in the category **Underemployment**. The visitor can choose the unit and browse its contents.

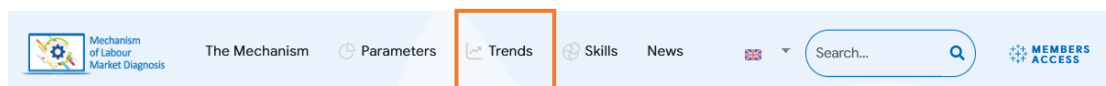


Figure 2. Main options menu

Alternatively, direct access to the thematic unit is also given on the Mechanism of Labour Market Diagnosis Home page.



Figure 3. Direct access to a thematic unit from the Home page

In any case, from any point, the user can locate the interactive table he wishes to examine through the **Search** field in the main menu by typing keywords linked to the title of the interactive table.



Figure 4. Search field for published analyses

For example, typing even the first letters of the word "gender" displays all the available interactive tables whose analysis refers to the variable "gender."

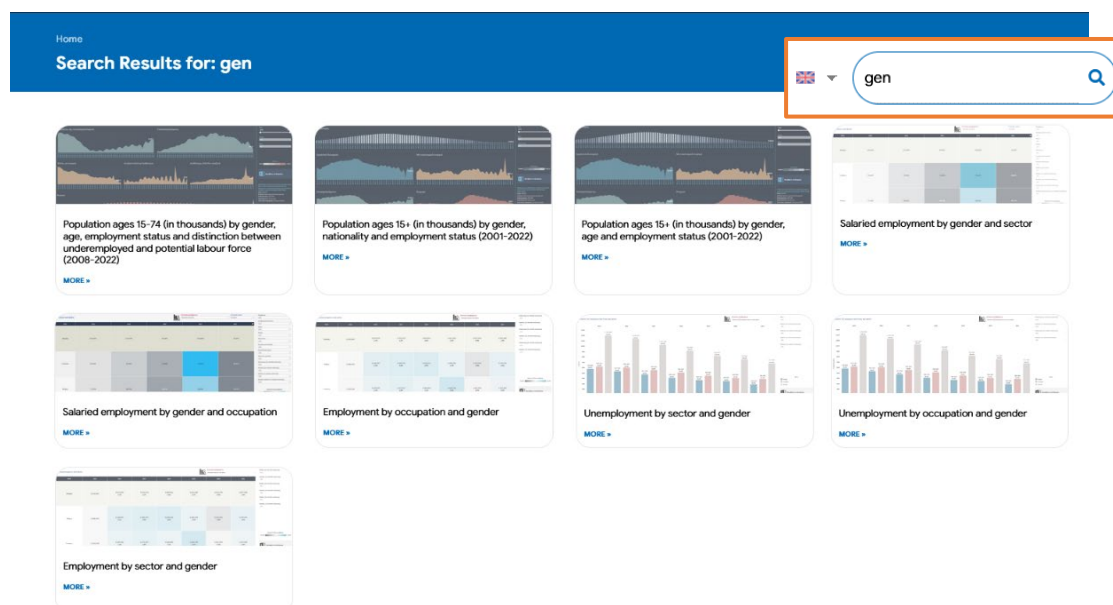


Figure 5. Option to type in the Search field



By opening the Home page of the thematic unit **Labour market trends**, the Contents of all categories are displayed, and with the help of the Scroll bar, the visitor can browse through all published analyses presented as thumbnails and view their interactive tables and visualizations by selecting **MORE >**

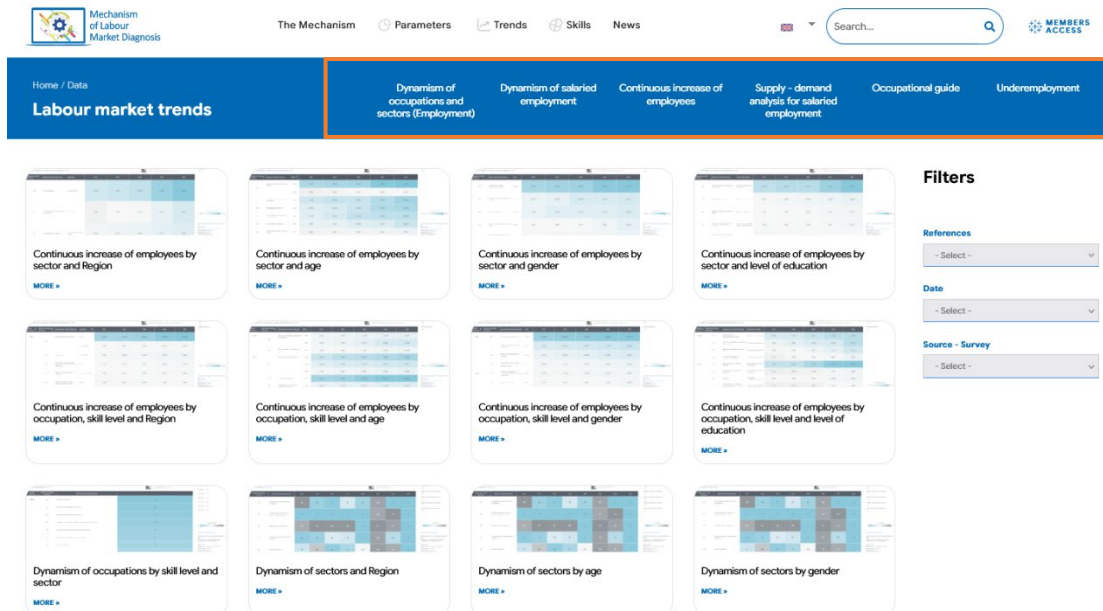


Figure 6. Thematic unit Home page: Contents of all categories

With the help of the **Filters**, the visitor can refine his search criteria and be guided more quickly to his choice based on References, Chronology and Data Sources.

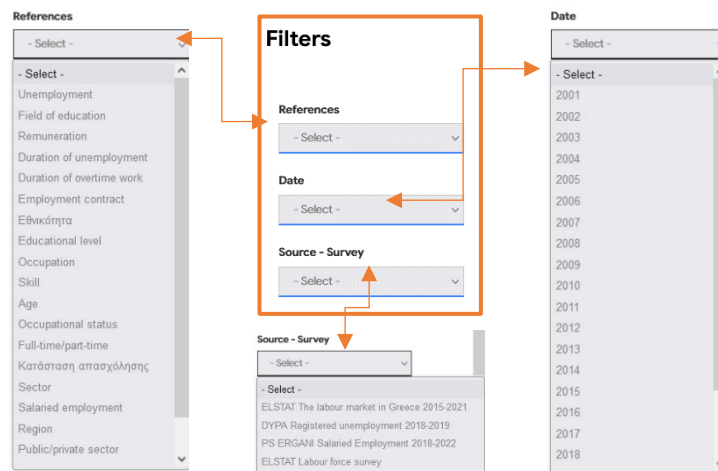


Figure 7. Search filters



In addition, it is possible to navigate to the contents of a specific category via the blue bar at the top of the screen.

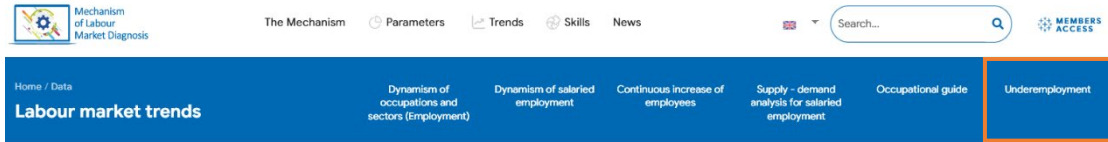


Figure 8. Navigation bar in the categories of the thematic section

After choosing the interactive table of interest, the visitor is transferred to a new **working environment**, where he can see the results of the analysis and visualization of the data created using Business Intelligence software (Tableau) based on specific variables, choose a different visualization of the data, refine the analysis through the suggested filters, download the data in an Excel file (.xls) and save its current selections in an Image file (.png), an Acrobat file (.pdf) or a PowerPoint file (.ppt), features that are discussed in the next section of the manual.

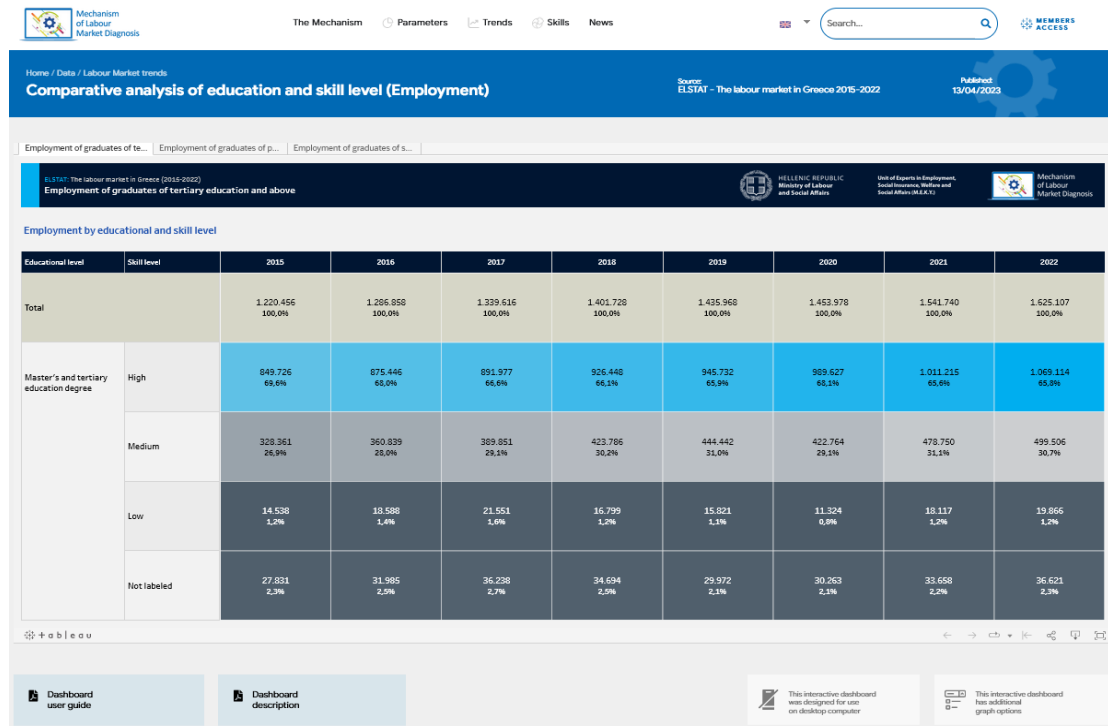


Figure 9. Working environment of Interactive table



The website visitor can also save in an Acrobat file (.pdf) the **Dashboard user guide** and the **Dashboard description**.

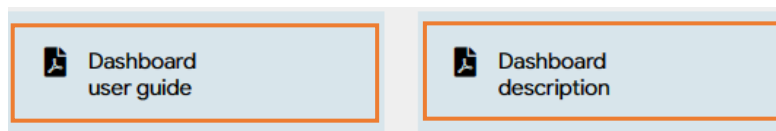


Figure 10. Working environment of Interactive table: User guide and Description of the interactive tables

Table **Information** (metadata) and the ability to directly access **Related data** and relevant analyzes are given in the same working environment.

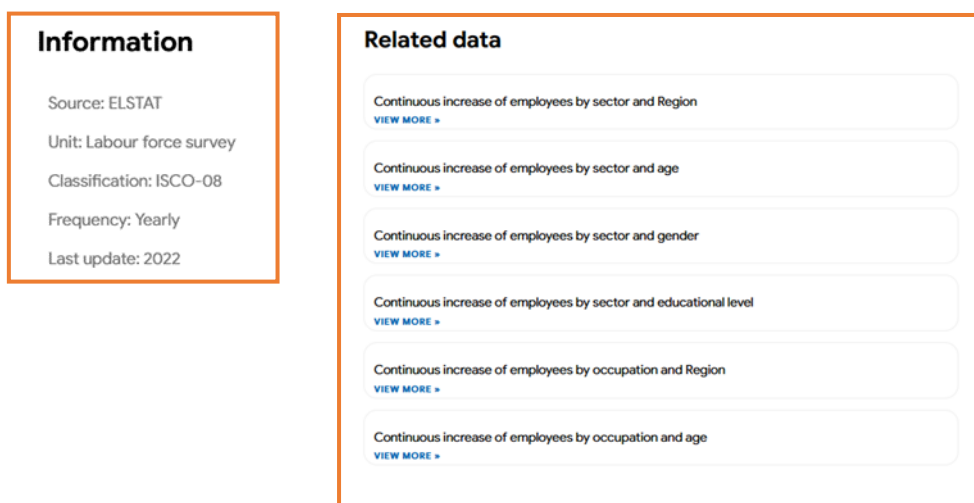


Figure 11. Working environment of Interactive table: Table information and direct access to Related data

Finally, to improve the interactive tables' data display and functionality, the visitor, through an electronic form, can evaluate the usability of the respective interactive table and fill in any comments and observations.



### Leave a comment

Fill out the form below to collect comments and observations regarding the specific data. This way we will be able to improve the visualization of the data as well as the overall user experience in the future.

**Who are you?**  
civilian

**Email**  
Your email

**How useful was the interactive dashboard for you? (0=not at all, 10=very much)**

Rating: 5 out of 10

**Comments & remarks**  
Fill in your comment here

**SEND**

Figure 12. Evaluation and comments form of Interactive tables

All interactive tables posted on the **Mechanism of Labour Market Diagnosis** website are also accessible in the Tableau Public repository. Furthermore, the visitor can be redirected directly by selecting the corresponding icon in the Tableau toolbar.



Figure 13. Direct access to the Tableau Public repository



Members of the **Mechanism of Labour Market Diagnosis** have the option of direct access to the Server of the Mechanism through the main menu of the website and the corresponding icon on the right by typing the username (e-mail) and the login code (password).



Figure 14. Members access






## General functions of interactive tables (dashboards)

Each published interactive table (dashboard) has a set of functions and tools that help to examine and understand the data analyzed each time, based on the visualizations proposed and the filters that specialize the analysis.

### Main functions of interactive tables

#### Classification of data

The data in the tables are sorted by the most recent reporting year, displaying values in descending order . However, the user can change the sort order to ascending order , choose a different reporting year, sort the data alphabetical  or in the order of the source file, by code or occupation, etc.

Educational level	Skill level	2015	2016	2017	2018	2019	2020	2021	2022
Total		1.220.456 100,0%	1.286.858 100,0%	1.339.616 100,0%	1.401.728 100,0%	1.435.968 100,0%	1.453.978 100,0%	1.541.740 100,0%	1.625.107 100,0%
Master's education									
	Total								
	High								
	Medium								
	Low								

Figure 15. Data sorting options

#### Multiple data selection

An additional essential feature available in the individual tables of the dashboards is the possibility of multiple data selections through the combined use of the *Ctrl* key and the *left button* of the mouse.

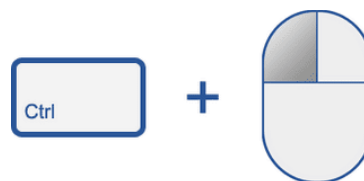


Figure 16. Option to multi-select data (Shortcut)



### Popup bar of options

By choosing one or more data from a table, map or graph, the user can keep it (Keep only) or exclude it (Exclude) from the analysis, change the classification or group them. In addition, it locates information about the selected data and the values of the specific reports.

High	849.726 69,6%	875.446 68,0%	891.977 66,6%	926.448 66,1%	945.732 65,9%	989.627 68,1%	1.011.215 65,6%	1.069.114 65,8%
Medium	328.361 26,9%	360.839 28,0%	389.851 29,1%	423.786 30,2%	444.442 31,0%	422.764 29,1%	478.750 31,1%	499.506 30,7%
Low	14.538 1,2%	18.588 1,4%	21.551 1,6%	16.799 1,2%	15.821 1,1%	11.324 0,8%	18.117 1,2%	19.866 1,2%
Not labeled	27.831 2,3%	31.985 2,5%	36.238 2,7%	34.694 2,5%	29.972 2,1%	30.263 2,1%	33.658 2,2%	36.621 2,3%

✓ Keep Only    ⓧ Exclude    ↕    ↕

3 items selected · % of Total SUM(Persons employed): 84,0%

Year: 2017  
 Educational level: Master's and tertiary education degree  
 Skill level: Medium  
 Persons employed: 389.851  
 Percentage (%) of persons employed: 29,1%

Figure 17. Pop up bar of options

### Tooltip

A handy tool of Tableau is the **Tooltip**, which allows the user, by placing the mouse pointer over a value, to immediately see information about all the variables of the specific report.

2015	2016	2017	2018	2019	2020	2021	2022
1.220.456 100,0%	1.286.858 100,0%	1.339.616 100,0%	1.401.728 100,0%	1.435.968 100,0%	1.453.978 100,0%	1.541.740 100,0%	1.625.107 100,0%
849.726 69,6%	875.446 68,0%	891.977 66,6%	926.448 66,1%	945.732 65,9%	989.627 68,1%	1.011.215 65,6%	1.069.114 65,8%
328.361 26,9%	360.839 28,0%	389.851 29,1%	423.786 30,2%	444.442 31,0%	422.764 29,1%	478.750 31,1%	499.506 30,7%
14.538 1,2%	18.588 1,4%	21.551 1,6%	16.799 1,2%	15.821 1,1%	11.324 0,8%	18.117 1,2%	19.866 1,2%
27.831 2,3%	31.985 2,5%	36.238 2,7%	34.694 2,5%	29.972 2,1%	30.263 2,1%	33.658 2,2%	36.621 2,3%

Year: 2017  
 Educational level: Master's and tertiary education degree  
 Skill level: High  
 Persons employed: 891.977  
 Percentage (%) of persons employed: 66,6%

Figure 18. Tooltip



## Additional functions

### Tableau Options Bar

After editing the respective dashboard, users can choose from the options bar at the bottom-right of each interactive table: **Undo**, **Redo**, **Reset**, **Share**, **Download** and **Fullscreen**.

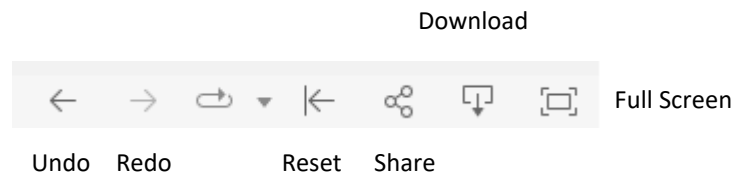


Figure 19. Options bar Tableau

By selecting **Share**, a pop-up window appears that allows, among other things, to copy the link (Link) and embed code (Embed Code) in the current view (Current View) or the original (Original View).



Figure 20. Share pop-up window (Share) dashboard



The dashboard data can be obtained through the **Download** option in the following formats: **Image** (.png image file), **PDF** file and **PowerPoint** file.

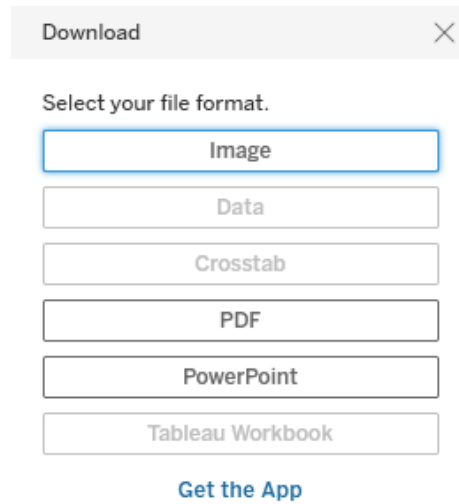


Figure 21. Download pop-up window (Download)

In the interactive tables of this category, users can find data by educational level in the tabs that expand in the upper part of the dashboard.

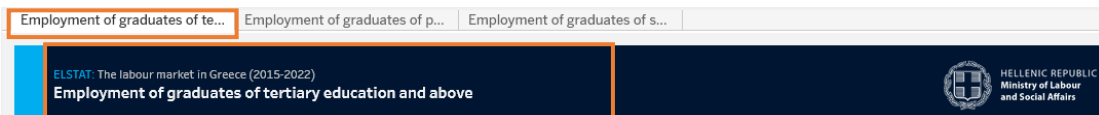


Figure 22. Dashboard tabs



## Interactive table overview: Comparative analysis of education and skill level (Employment)

Dashboard link:

<https://mdae.gr/en/data/syggkritiki-analysi-ekpaidefsis-kai-epipedou-dexiotiton-apascholisi/>

Source: ELSTAT

### Employment of graduates of tertiary education and above

This dashboard lists and analyzes the absolute number and percentage (%) of employed tertiary education graduates and above, by skill level, for the years 2015-2022.

### Employment of graduates of tertiary education and above by skill level

ELSTAT: The labour market in Greece (2015-2022)									
Employment of graduates of tertiary education and above									
Employment by educational and skill level									
Educational level	Skill level	2015	2016	2017	2018	2019	2020	2021	2022
Total		1.220.456 100,0%	1.286.858 100,0%	1.339.616 100,0%	1.401.728 100,0%	1.435.968 100,0%	1.453.978 100,0%	1.541.740 100,0%	1.625.107 100,0%
Master's and tertiary education degree	High	849.726 69,6%	875.446 68,0%	891.977 66,6%	926.448 66,1%	945.732 65,9%	989.627 68,1%	1.011.215 65,6%	1.069.114 65,8%
	Medium	328.361 26,9%	360.839 28,0%	389.851 29,1%	423.786 30,2%	444.442 31,0%	422.764 29,1%	478.750 31,1%	499.506 30,7%
	Low	14.538 1,2%	18.588 1,4%	21.551 1,6%	16.799 1,2%	15.821 1,1%	11.324 0,8%	18.117 1,2%	19.866 1,2%
	Not labeled	27.831 2,3%	31.985 2,5%	36.238 2,7%	34.694 2,5%	29.972 2,1%	30.263 2,1%	33.658 2,2%	36.621 2,3%

Figure 23. Employment of graduates of tertiary education and above by skill level



## Employment of graduates of post-secondary education graduates

This dashboard lists and analyzes the absolute number and percentage (%) of employed post-secondary education graduates, by skill level, for the years 2015-2022.

### Employment of graduates of post-secondary education by skill level

Educational level		Skill level		2015	2016	2017	2018	2019	2020	2021	2022
Total				332.170 100,0%	343.671 100,0%	363.725 100,0%	377.446 100,0%	390.593 100,0%	417.711 100,0%	384.557 100,0%	387.739 100,0%
Post-secondary vocational training	High			94.040 28,3%	96.739 28,1%	103.367 28,4%	101.848 27,0%	103.987 26,6%	111.475 26,7%	100.544 26,1%	104.033 26,8%
	Medium			224.463 67,6%	235.778 68,6%	246.709 67,8%	256.590 68,0%	268.923 68,8%	286.466 68,6%	261.233 67,9%	265.839 68,6%
	Low			11.828 3,6%	9.000 2,6%	10.798 3,0%	15.170 4,0%	14.240 3,6%	13.927 3,3%	17.759 4,6%	14.550 3,8%
	Not labeled			1.839 0,6%	2.154 0,6%	2.850 0,8%	3.839 1,0%	3.444 0,9%	5.843 1,4%	5.021 1,3%	3.318 0,9%

Figure 24. Employment of graduates of post-secondary education by skill level



## Employment of graduates of secondary education

This dashboard lists and analyzes the absolute number and percentage (%) of employed secondary education graduates, by skill level, for the years 2015-2022.

### Employment of graduates of secondary education by skill level

Educational level		2015	2016	2017	2018	2019	2020	2021	2022
Total		1.238.378 100,0%	1.272.185 100,0%	1.297.688 100,0%	1.314.131 100,0%	1.353.944 100,0%	1.342.313 100,0%	1.341.299 100,0%	1.465.929 100,0%
Secondary education degree	High	116.399 9,4%	117.189 9,2%	108.053 8,3%	108.493 8,3%	114.405 8,4%	116.927 8,7%	117.434 8,8%	135.912 9,3%
	Medium	1.001.787 80,9%	1.027.743 80,8%	1.054.857 81,3%	1.075.219 81,8%	1.100.652 81,3%	1.092.327 81,4%	1.087.626 81,1%	1.169.346 79,8%
	Low	93.474 7,5%	99.807 7,8%	109.373 8,4%	104.281 7,9%	111.352 8,2%	108.458 8,1%	110.035 8,2%	129.496 8,8%
	Not labeled	26.718 2,2%	27.446 2,2%	25.406 2,0%	26.138 2,0%	27.534 2,0%	24.600 1,8%	26.204 2,0%	31.175 2,1%

Figure 25. Employment of graduates of secondary education by skill level