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)

Dynamism of occupations and sectors (Employment)

USER GUIDE FOR THE DASHBOARD

Dynamism of occupations by skill level and sector

DEK

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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://mdaae.gr/** and are accessible to website visitors (Desktop version) through the main options menu and the thematic categories that are being developed.

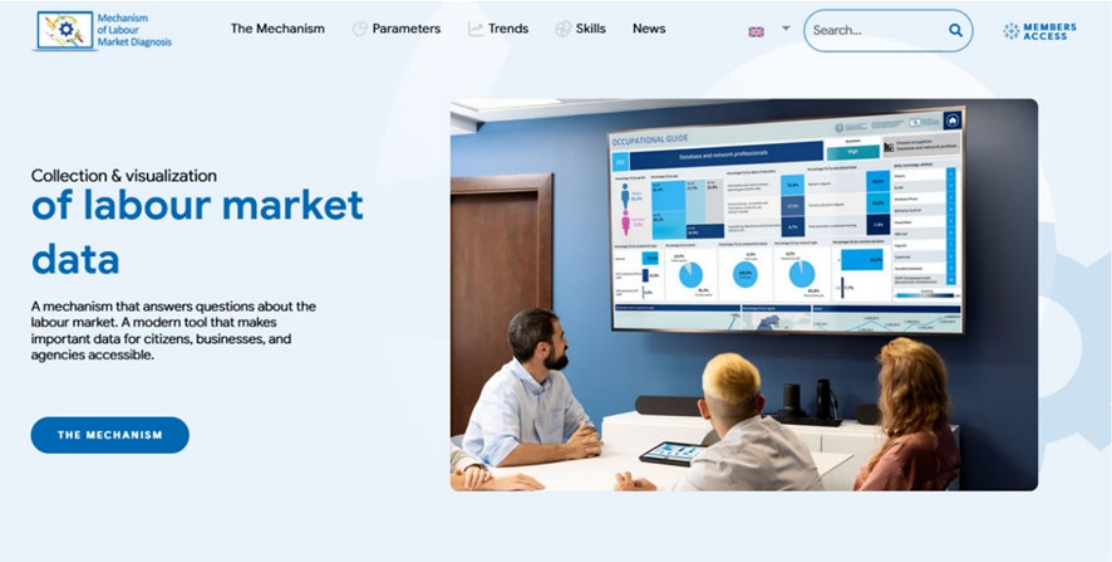


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

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

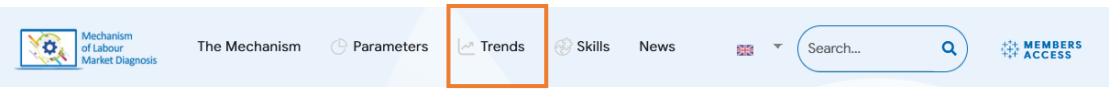


Figure 2. Main options menu

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

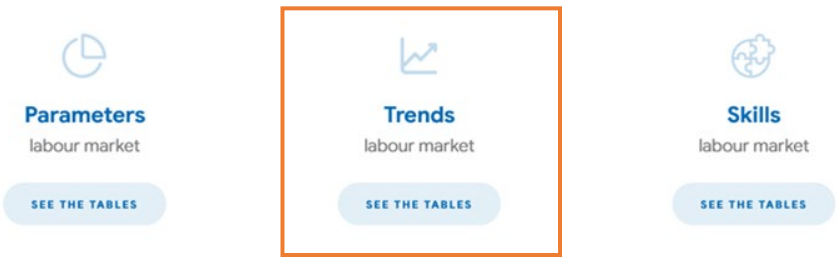


Figure 3. Direct access to a thematic section from the Home page

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."

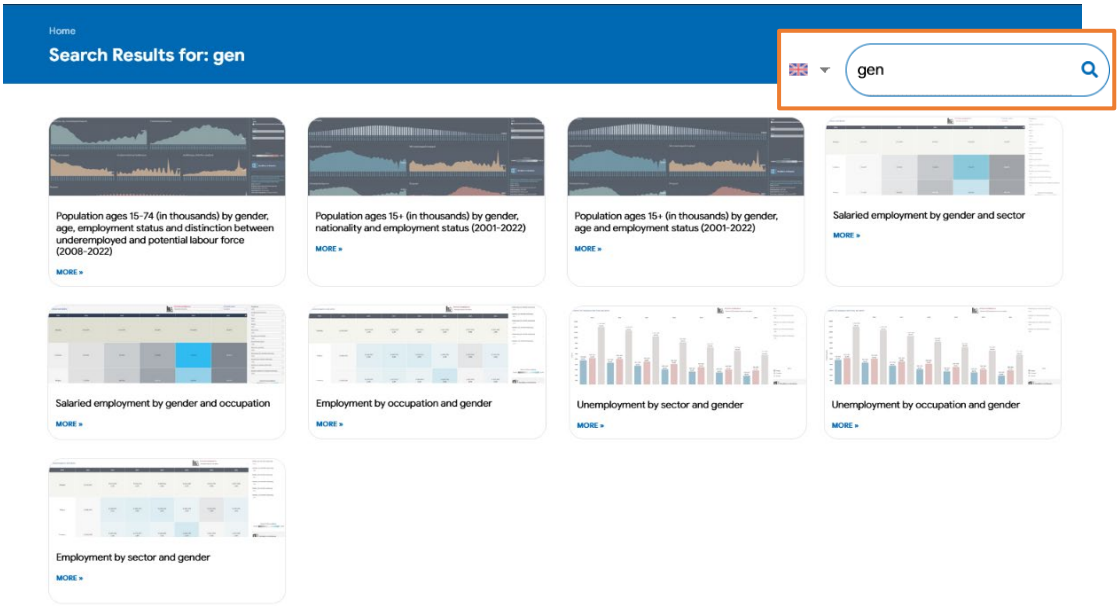


Figure 5. Option to type in the Search field

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 »**

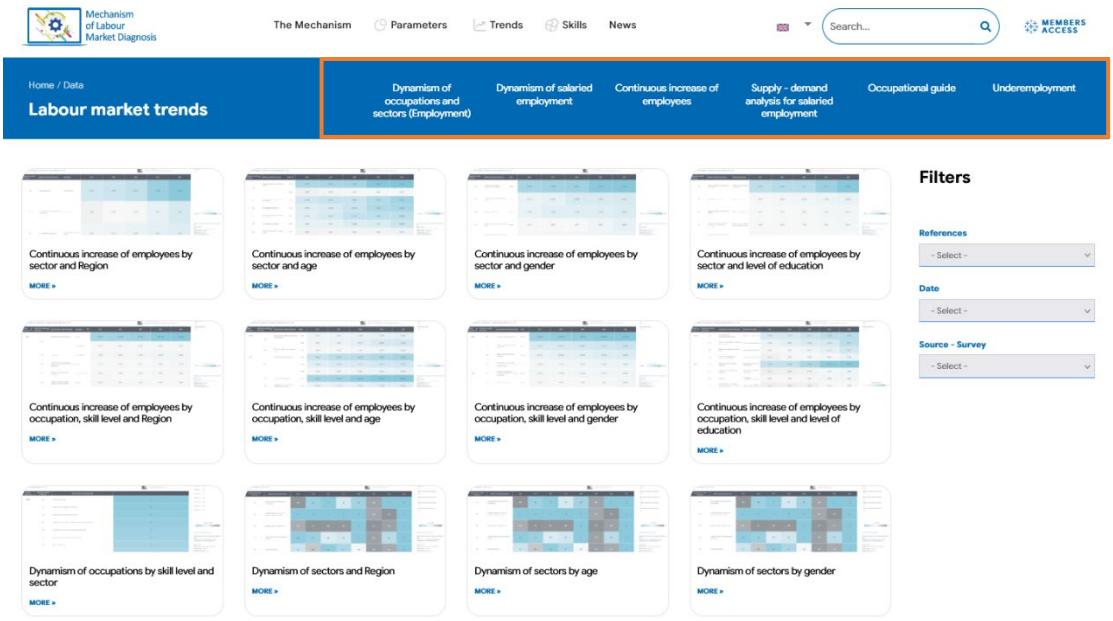


Figure 6. Thematic unit Home page: Contents of all categories

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.

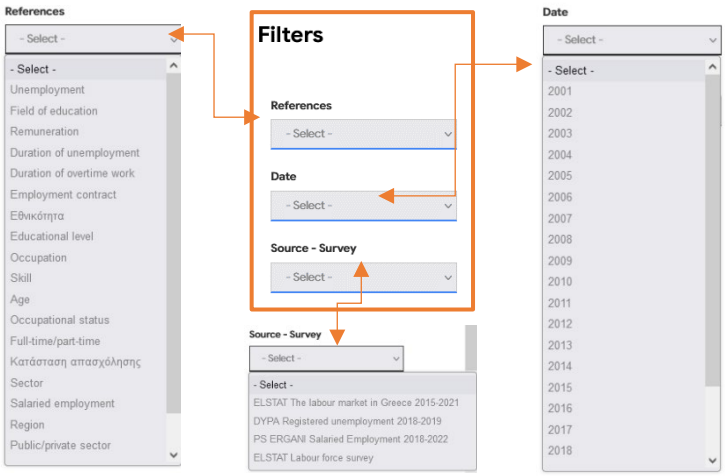


Figure 7. Search filters

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

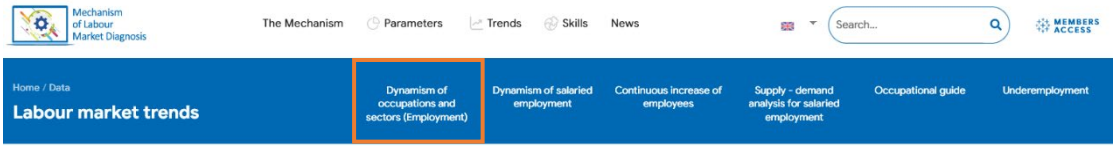


Figure 8. Navigation bar in the categories of the thematic section

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.

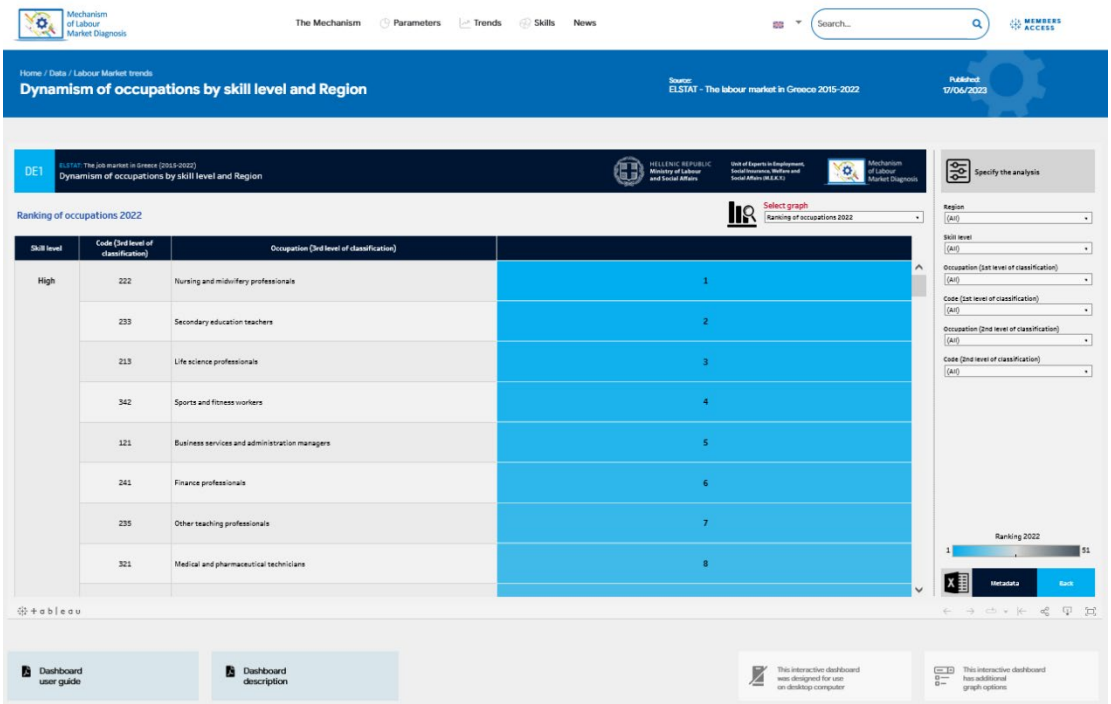


Figure 9. Working environment of Interactive table

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.

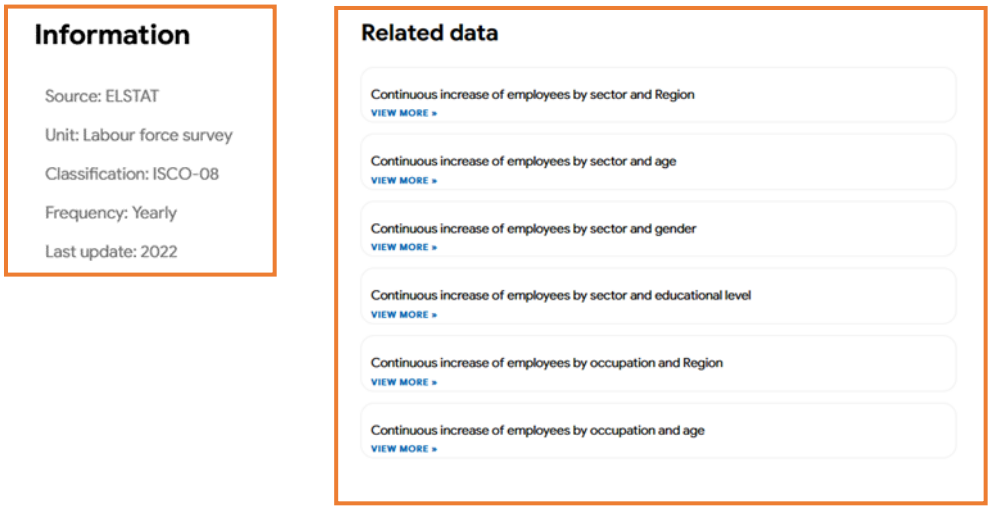


Figure 11. Working environment of Interactive table: Table information and direct access to Related data

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.

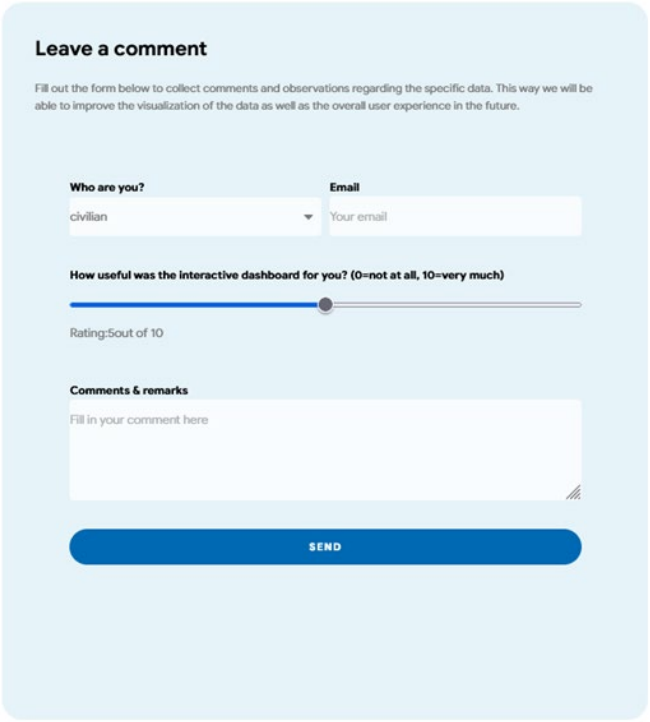


Figure 12. Evaluation and comments form of Interactive tables

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).

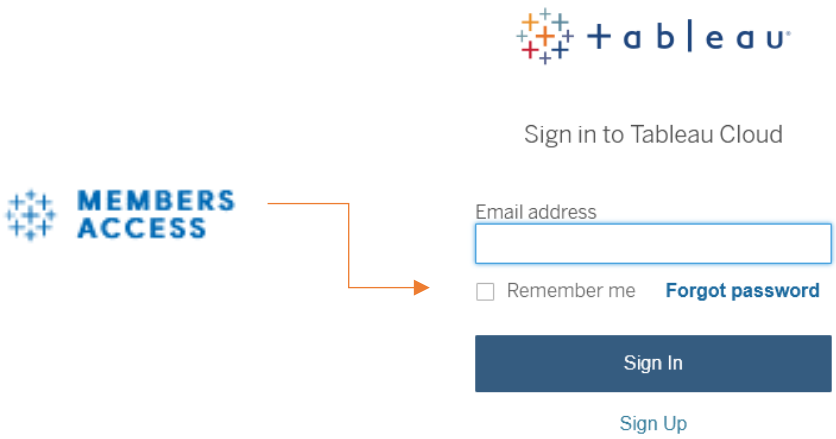


Figure 14. Members access

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.

Select graph

A primary function is **Select graph**. The user can choose the analysis that concerns him based on specific variables and display it on the screen using the drop-down menu and the interactive panel (dashboard) with the proposed visualization.

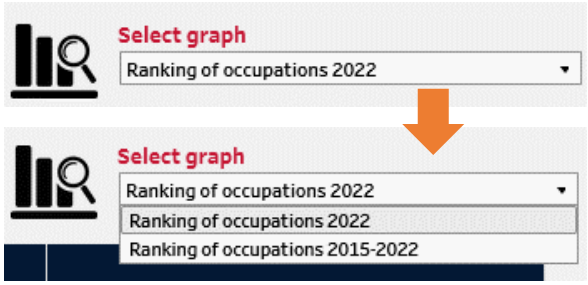


Figure 15. Select graph

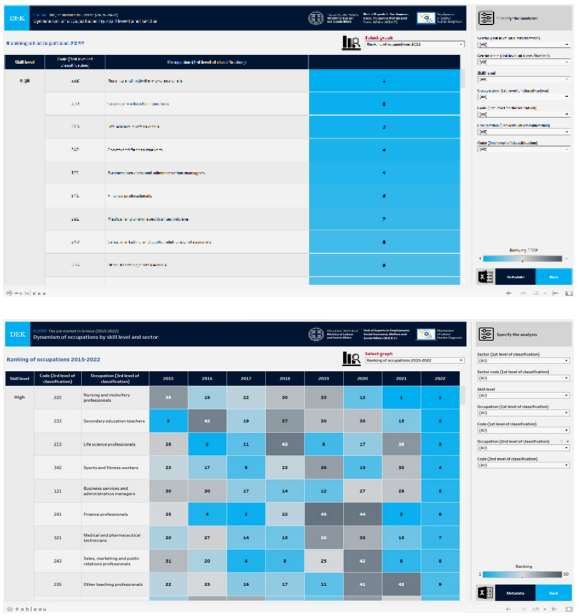


Figure 16. Select graph and other analysis visualizations

Analysis specialization

Filter selection

The selection filters feature in each dashboard's **Specify the analysis** section, to the right of the dashboard, allows the user to filter and display the data they want to examine, sometimes selecting one value from the single value drop-down list or more values from the multiple value drop-down list of some filters (e.g., Region). Selecting the *All* value displays all field values, while there is always the option of typing in the corresponding field of each filter for easier access, especially in long drop-down lists.

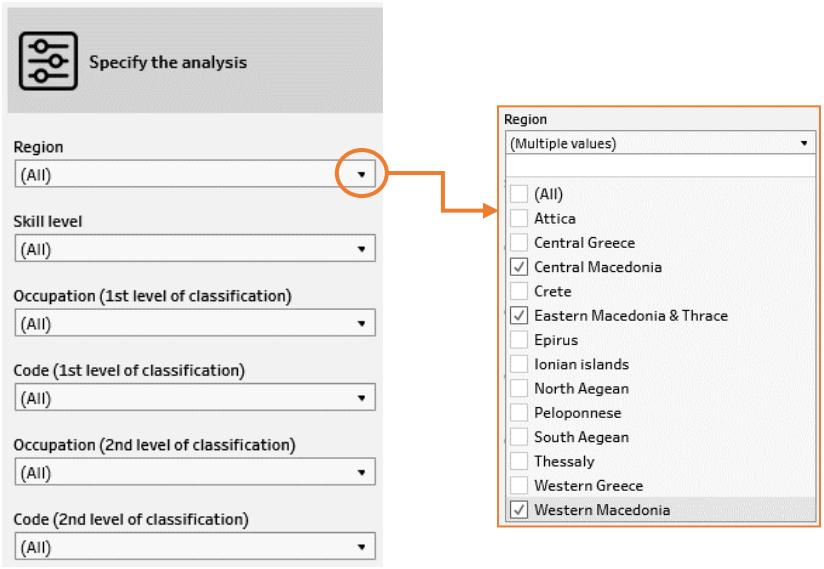


Figure 17. Analysis specialization options (using filters)

The categorization of the fields in the drop-down filter lists is done each time based on the variables that the analysis of the chosen graph examines, such as Region, Occupation and Occupation Code (1st, 2nd and 3rd level of classification - ISCO-08 classification), Age, Gender, Level of Education, Skill level, Employment Status, Sector and Sector Code (1st, 2nd and 3rd level of classification - NACE Rev. 2 classification), etc.

It is possible to combine filter options so that only the relevant values the user selects are displayed in the interactive table. So, for example, by selecting the Region of Peloponnese and the occupation Clerical support workers [Occupation (1st level of classification)], the occupation Code automatically becomes 4 and the Skill Level filter becomes Medium. In the Occupation filter (2nd level of classification), only the relevant values of the two-digit occupation breakdown are displayed. The user can further refine the breakdown by selecting one of the four values of that field: *Customer Service Clerks*, *General and Keyboard Clerks*, *Numerical and material recording clerks* or *Other clerical support workers*, to display the corresponding values in the interactive table.

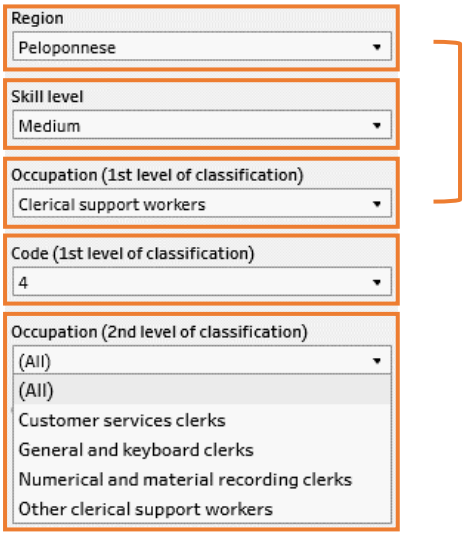


Figure 18. Analysis specialization options (using filters)

In each filter, the user can choose which values to include and which to exclude using the icon ▼ that appears when we place the cursor in the upper right corner of the filter.

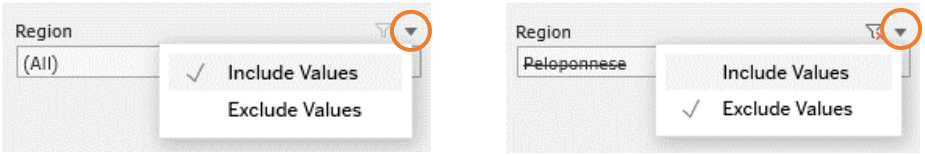


Figure 19. Option to include or exclude filter values

In any case, to de-select a filter, we use the icon that appears when we place the cursor in the upper right corner of the filter.

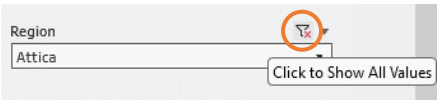


Figure 20. Reset filters to their original state

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.

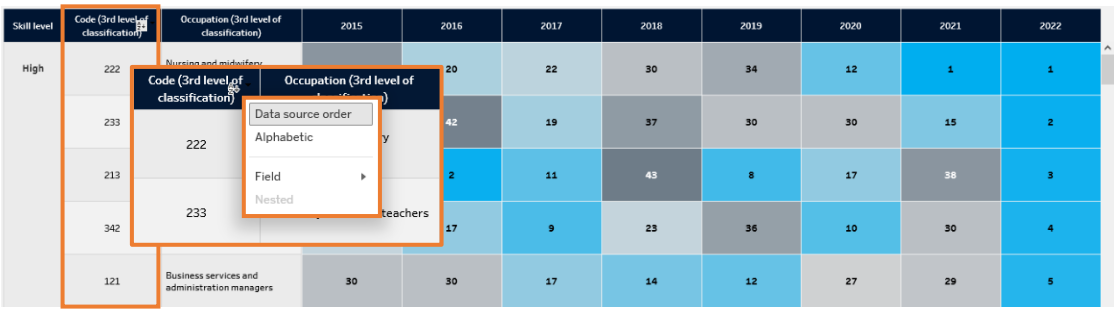


Figure 21. Data sorting options

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.

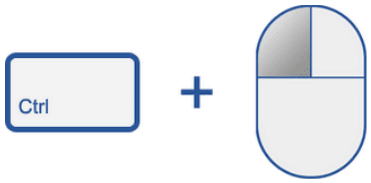


Figure 22. Option to multi-select data (Shortcut)

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.

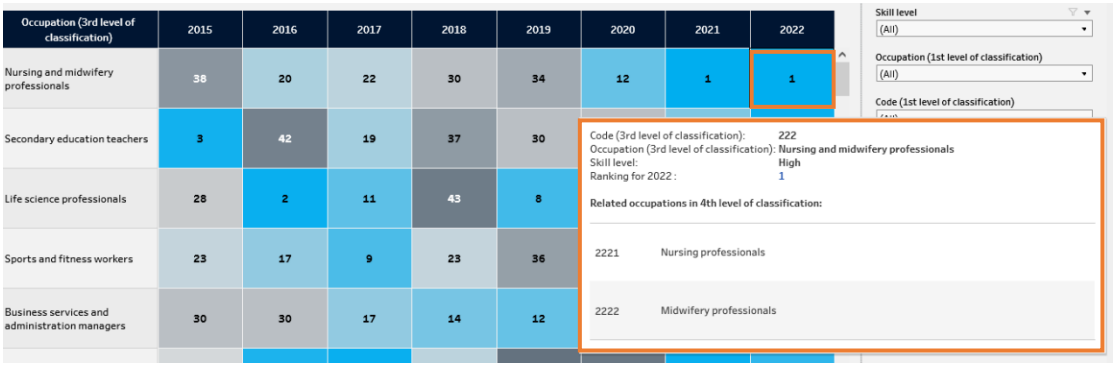


Figure 23. Tooltip

Additional functions

Download Excel file

By selecting **Download data**, the user can download the Excel file with the data of the interactive table through an electronic link.

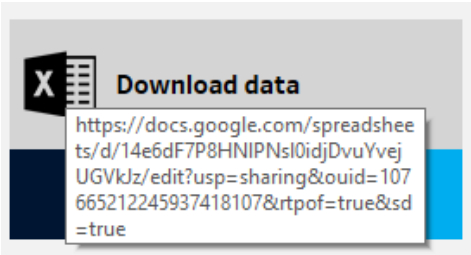


Figure 24. Download Excel file

Metadata

The **Metadata** pop-up menu provides relevant information about the data source, encoding, publication frequency, and last update time.

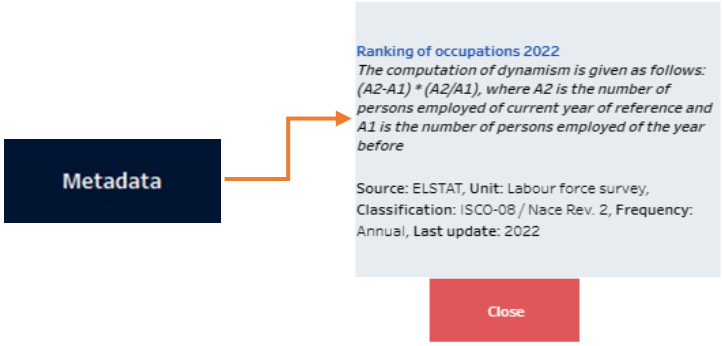
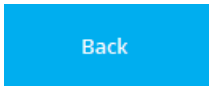


Figure 25. Metadata pop-up menu

Back



The **Back** (to previous menu) option is available in the Tableau Server edition. It is available during the unified presentation of the thematic sections of all Mechanism of Labour Market Diagnosis dashboards.

Figure 26. Back (to previous menu)

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**.

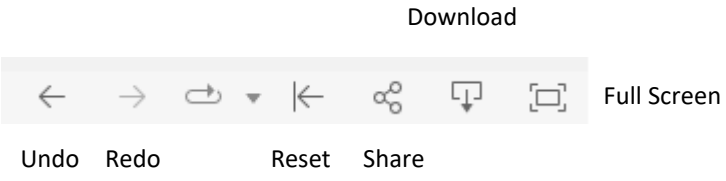


Figure 27. Options bar Tableau

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 28. 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.

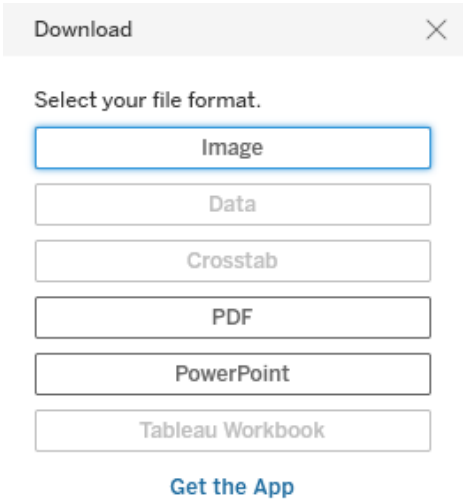


Figure 29. Download pop-up window (Download)

Interactive table otherview:
DEK. Dynamism of occupations by skill level and sector

Dashboard link:
https://mdaae.gr/en/data/dynamismos-epangelmaton-ana-epipedo-dexiotiton-kai-klado/

Source: ELSTAT

Ranking of occupations 2022

This dashboard presents by skill level the most dynamic professions at the 3rd level of analysis (ISCO-08 Classification) in order of ranking for the year 2022.

In addition, users can select a sector or sector code (Nace Rev. 2 Classification) and specify the breakdown by skill level, occupation or occupation code at 1st and 2nd level of analysis (ISCO-08 Classification).

The central part of the interactive table shows the ranking order of each occupation and in the legend on the right, below the filters, the color gradient of the ranking order. With the help of the tooltip the user can see in more detail the occupations at the 4th level of analysis.

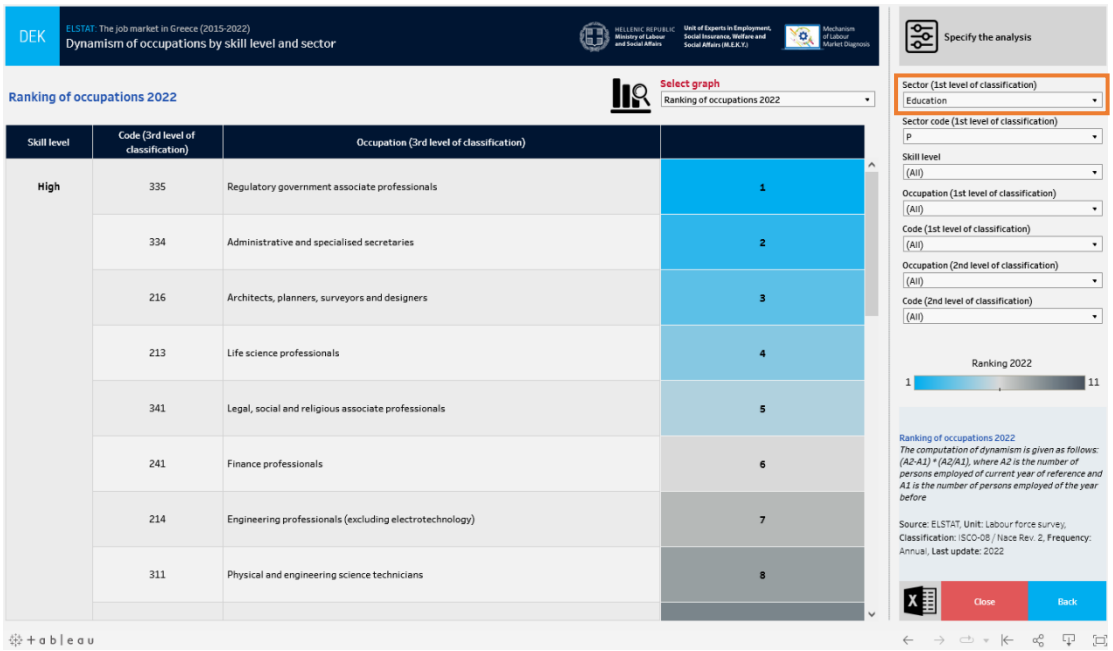


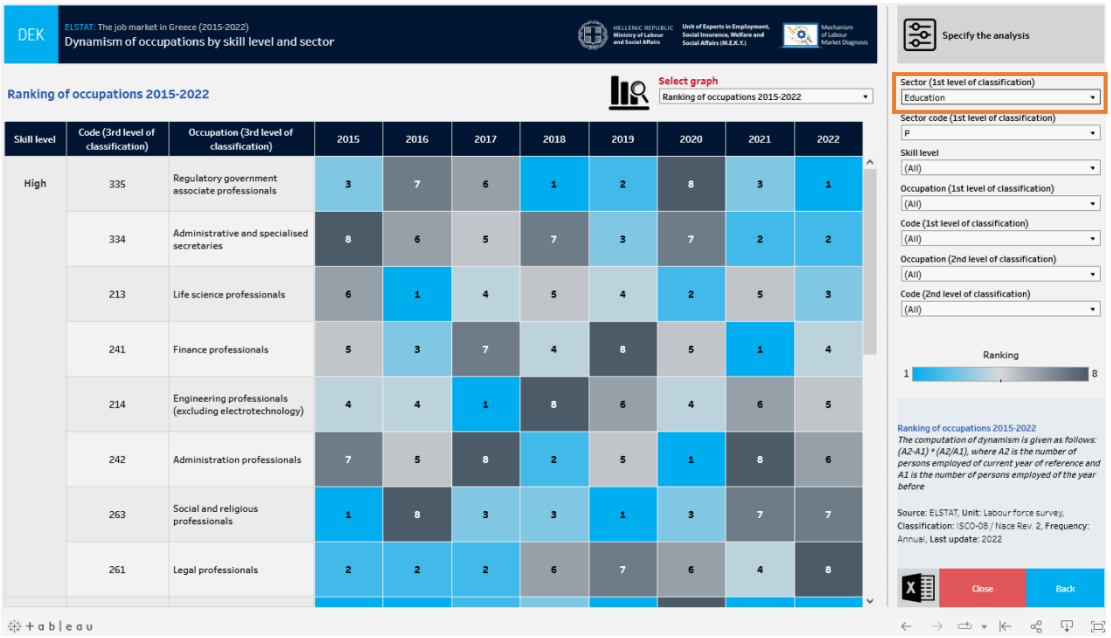
Figure 30. Ranking of occupations 2022

Ranking of occupations 2015-2022

This dashboard presents by year and skill level the most dynamic professions at 3rd level of analysis (ISCO-08 Classification) in order of ranking for the years 2015-2022.

In addition, users can select a sector or sector code (Nace Rev. 2 Classification) and specify the breakdown by skill level, occupation or occupation code at 1st and 2nd level of analysis (ISCO-08 Classification).

In the central part of the interactive table the ranking order of each occupation is displayed, in the legend on the right, below the filters, the color rating of the ranking order is displayed, and with the help of the tooltip the user can see in more detail the occupations at the 4th level of analysis.



Skill level	Code (3rd level of classification)	Occupation (3rd level of classification)	2015	2016	2017	2018	2019	2020	2021	2022
High	335	Regulatory government associate professionals	3	7	6	1	2	8	3	1
	334	Administrative and specialised secretaries	8	6	5	7	3	7	2	2
	213	Life science professionals	6	1	4	5	4	2	5	3
	241	Finance professionals	5	3	7	4	8	5	1	4
	214	Engineering professionals (excluding electrotechnology)	4	4	1	8	6	4	6	5
	242	Administration professionals	7	5	8	2	5	1	8	6
	263	Social and religious professionals	1	8	3	3	1	3	7	7
	261	Legal professionals	2	2	2	6	7	6	4	8

Figure 31. Ranking of occupations 2015-2022