



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: Labour force survey
Introductory parameters

USER GUIDE FOR THE DASHBOARD

**Population ages 15+ (in thousands)
by gender, nationality
and employment status**

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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.

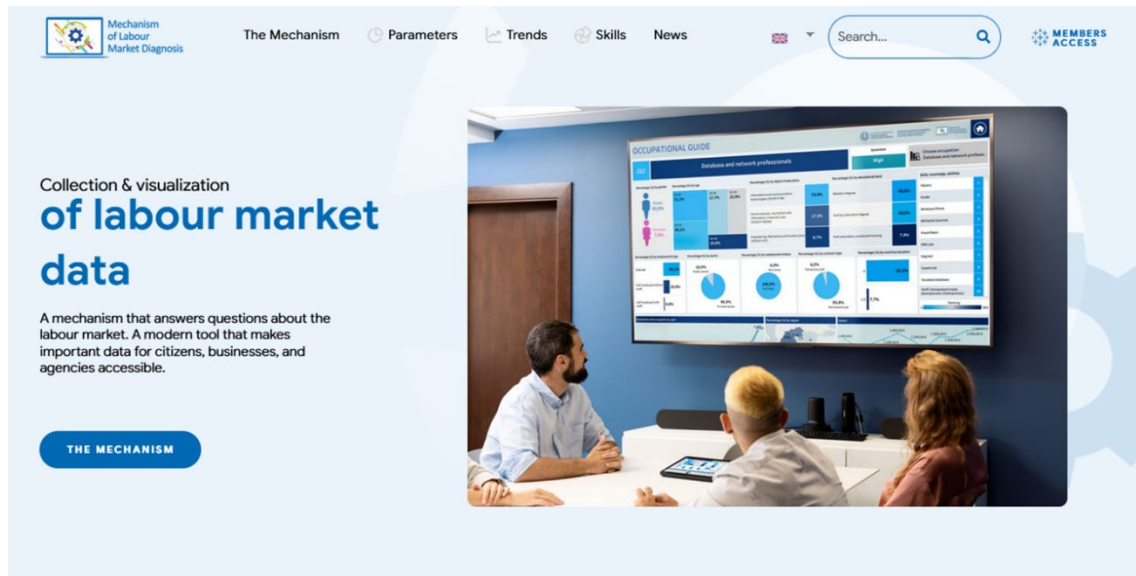


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

The interactive tables created with ELSTAT (Labour force survey) data for the category **Introductory parameters** are presented in the thematic unit **Parameters (labour market)**. The visitor can choose the unit and browse its contents or locate, through a drop-down menu, the categories of data per publication source.

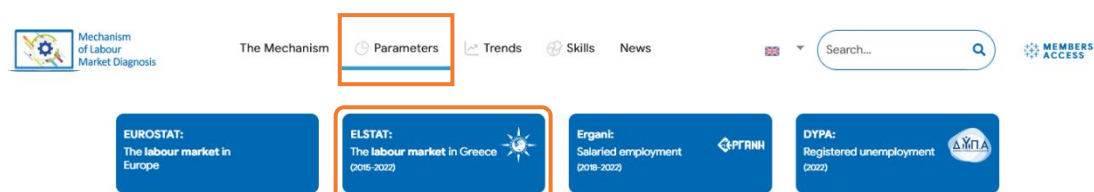


Figure 2. Main options menu

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

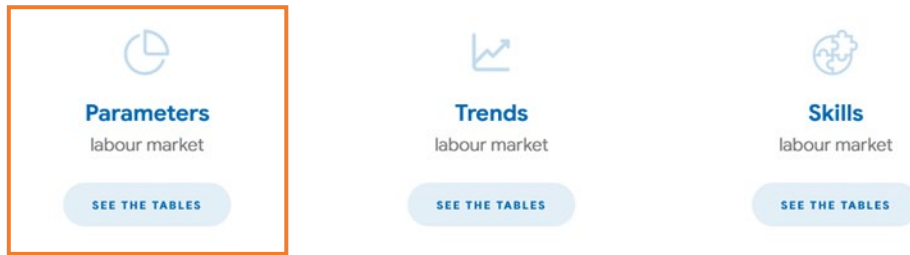


Figure 3. Direct access to a thematic unit from the Home page

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.

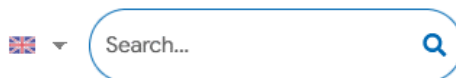


Figure 4. Search field for published analyses

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

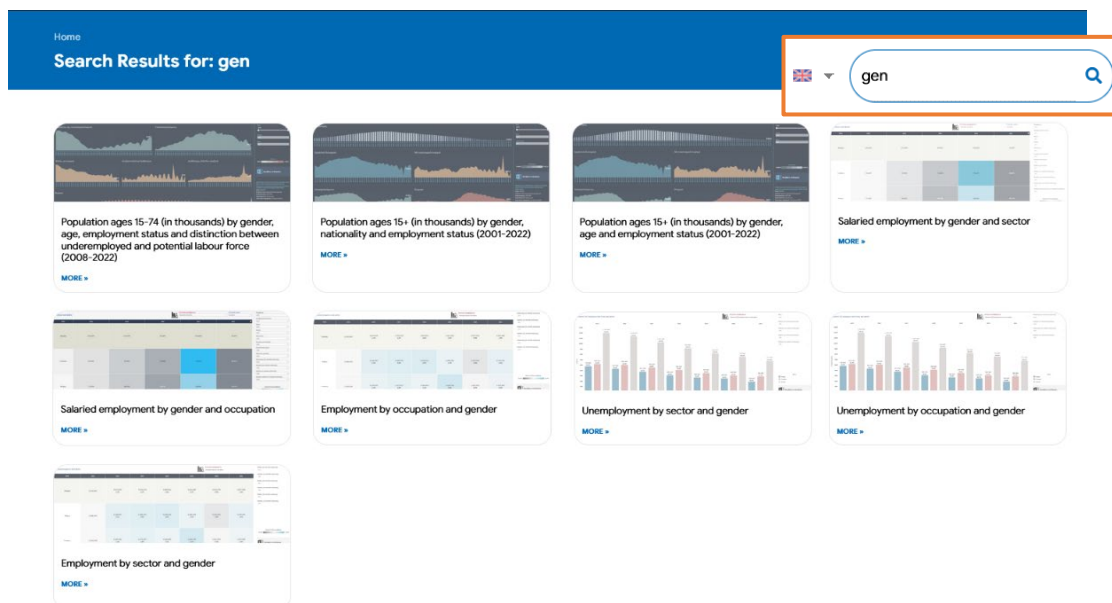


Figure 5. Option to type in the Search field

By opening the Home page of the thematic unit **Parameters (labour market)**, 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 »**.

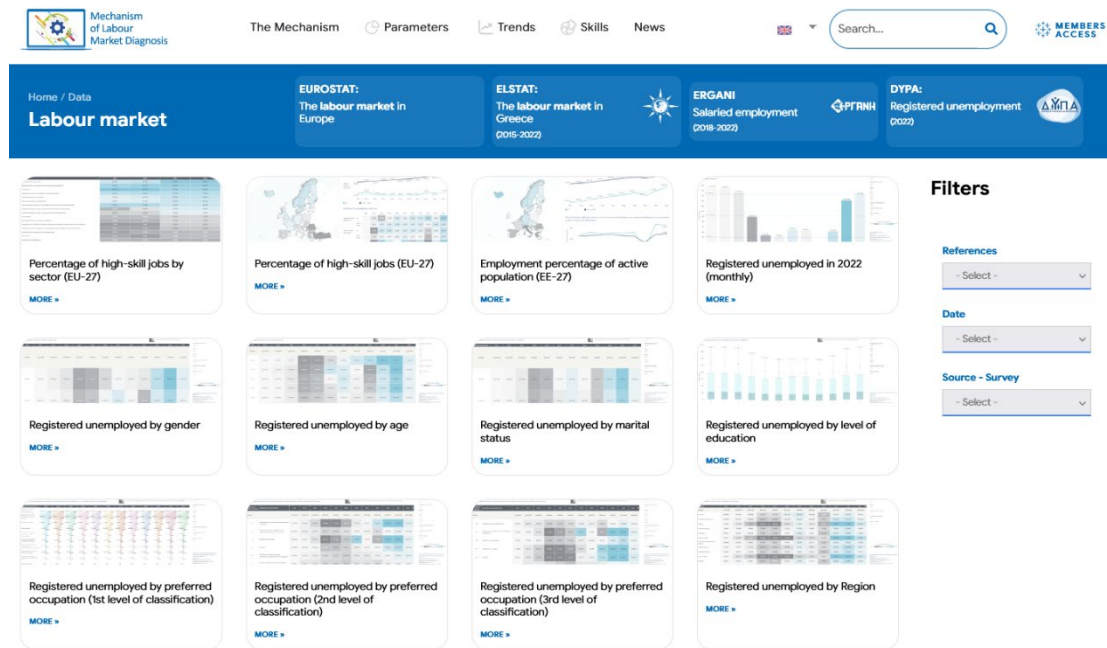


Figure 6. Thematic unit Home page: Contents of all categories

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.

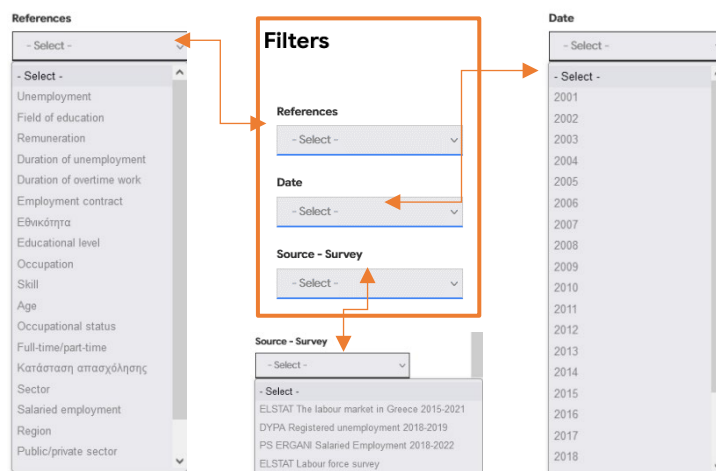


Figure 7. Search filters

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

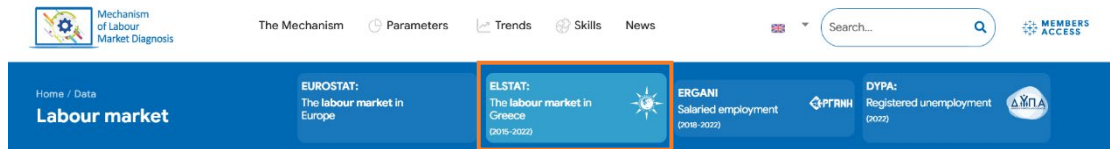


Figure 8. Navigation bar in the categories of the thematic section

Corresponding to the previous screen, the visitor can browse the contents, filter the search criteria or display the data subcategories via the navigation bar.

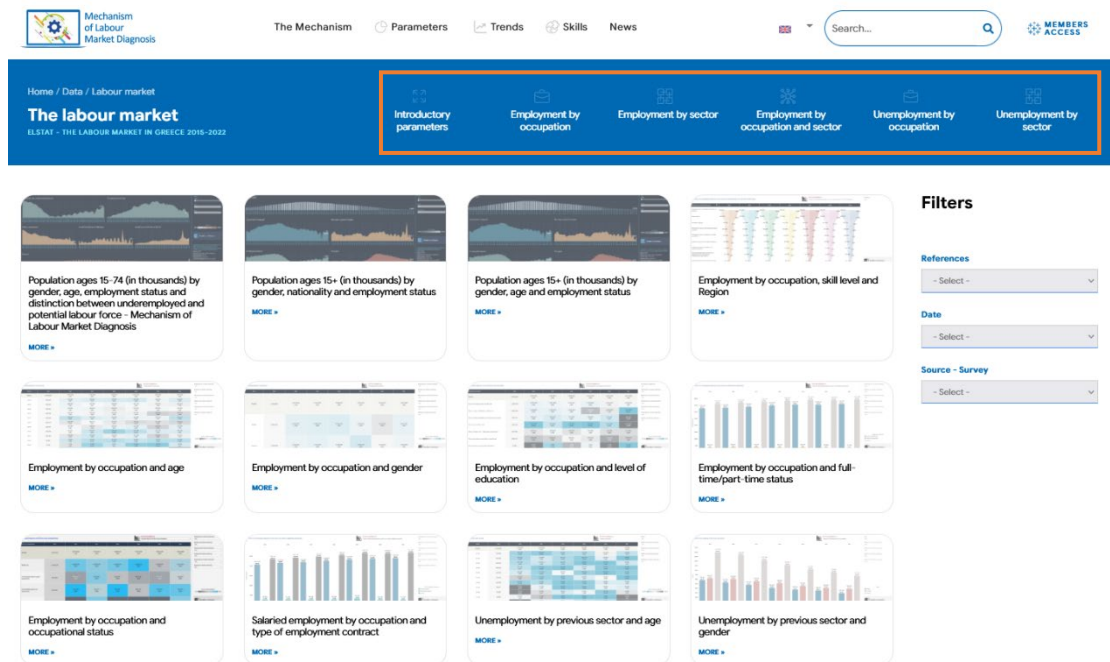


Figure 9. Data category contents by publication source (ELSTAT) (thumbnails)

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.

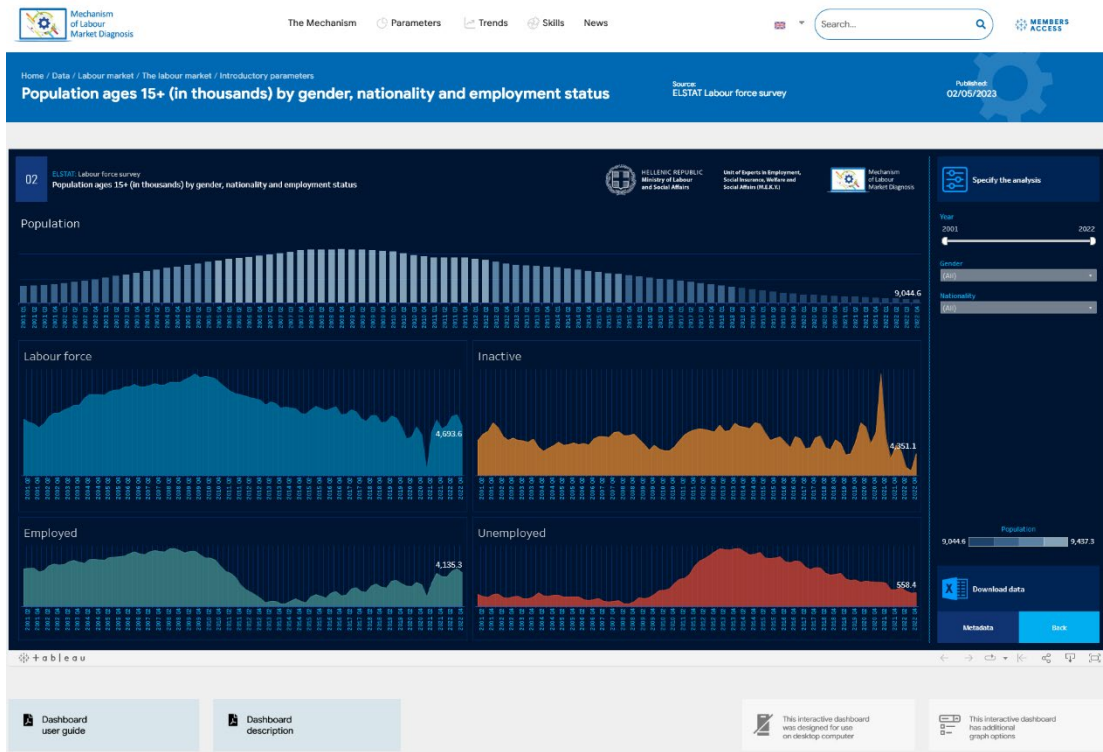


Figure 10. Working environment of Interactive table

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

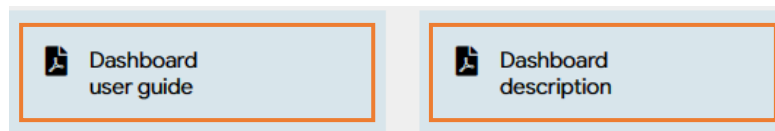


Figure 11. Working environment of Interactive table: User guide and Description of the interactive tables

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

Information

Source: ELSTAT

Unit: Labour force survey

Classification: ISCO-08

Frequency: Yearly

Last update: 2022

Related data

- Employment by occupation and age
[VIEW MORE >](#)
- Employment by occupation and gender
[VIEW MORE >](#)
- Employment by occupation, level and field of education
[VIEW MORE >](#)
- Employment by occupation and full-time/part-time status
[VIEW MORE >](#)
- Employment by occupation and public/private sector
[VIEW MORE >](#)
- Employment by occupation and occupational status
[VIEW MORE >](#)

Figure 12. 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 13. 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 14. 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).

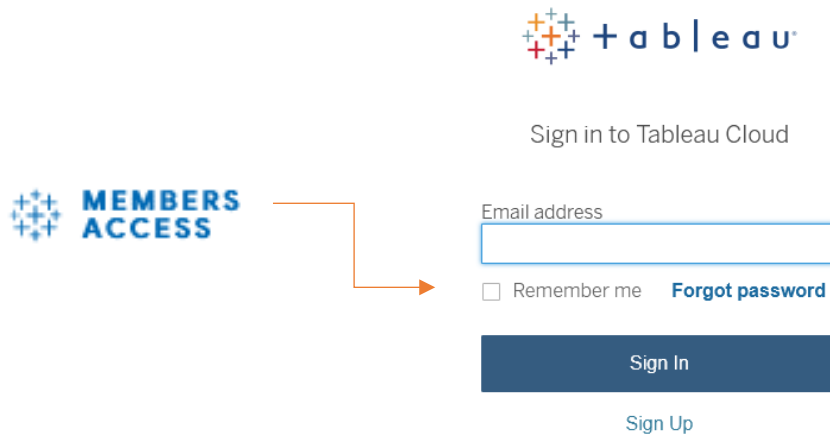


Figure 15. Members access



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 (in some categories of data) 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.

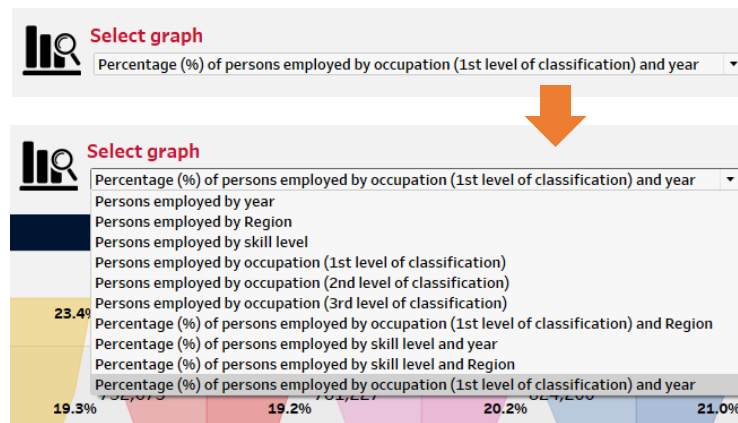


Figure 16. Select graph

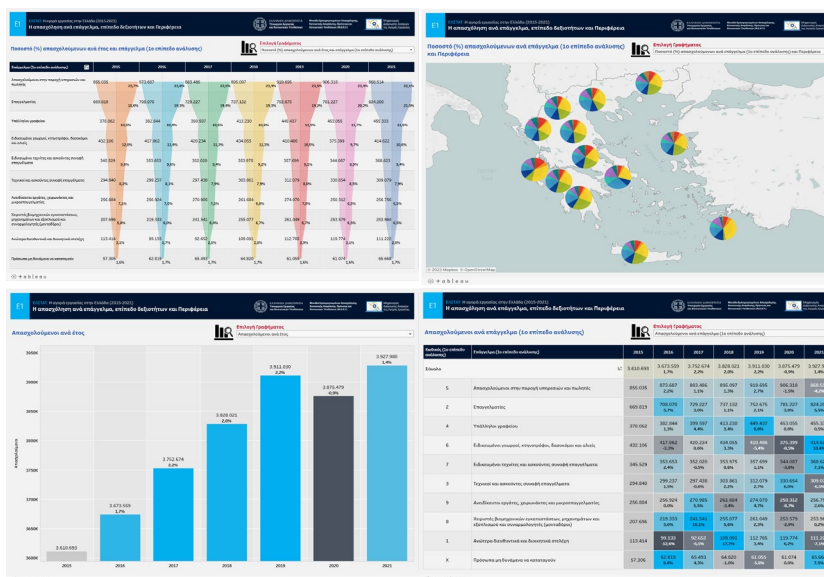


Figure 17. Select graph and other analysis visualizations

Analysis specialization

Filter selection

The selection filters in the section of each interactive dashboard **Specify the analysis**, right in the dashboard, enables the user to filter and display the data they want to examine, sometimes selecting a value from the single value drop-down list or more values from the multiple value drop-down list of some filters (e.g., Nationality). Selecting the All value displays all the values of the field, while it is always possible to type in the corresponding field of each filter for easier access, especially in extensive drop-down lists.

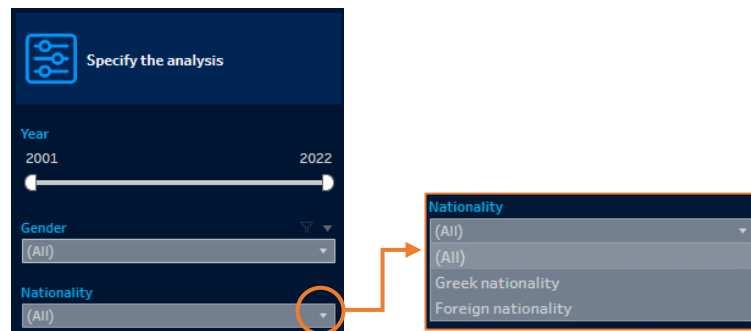


Figure 18. Analysis specialization options (using filters)

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.

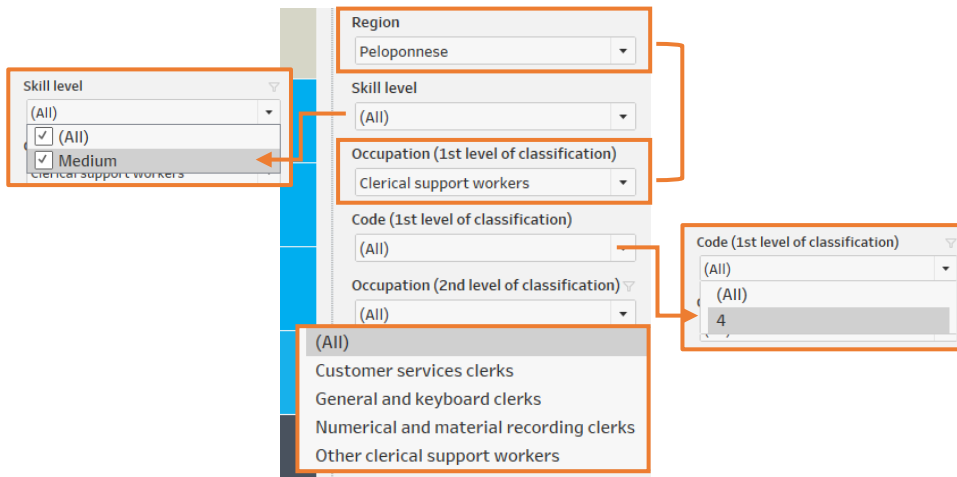


Figure 19. Combined use of filters


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 20. 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 21. Reset filters to their original state

Highlight field

In addition to filters, a useful tool for locating data in tables of the 1st, 2nd and 3rd level of classification (in some categories of data, e.g., ELSTAT) where the data are accessed with the help of the scroll bar, is the **highlight field**. The user selects from a pop-up list in the corresponding field the occupation/sector or code he wants to examine and locates the data of his choice in the yellow highlighted table while the rest of the reports are highlighted. To reset the table, the user selects on the right side of the field.

Highlight occupation

Highlight Occupation (3rd level of classification)

Highlight code

Highlight Code (3rd level of classification)

Highlight occupation

Highlight Occupation (3rd level of classification)

Administration professionals
 Administrative and specialised secretaries
Agricultural, forestry and fishery labourers
 Animal producers
 Architects, planners, surveyors and designers
 Artistic, cultural and culinary associate professionals
 Assemblers
 Authors, journalists and linguists
 Blacksmiths, toolmakers and related trades workers
 Building and housekeeping supervisors
 Building finishers and related trades workers
 Building frame and related trades workers
 Business services agents
 Business services and administration managers

E1 ELSTAT: The labour market in Greece (2015-2022)
Employment by occupation, skill level and Region

Persons employed by occupation (3rd level of classification)

Select graph
 Persons employed by occupation (3rd level of classification)

Code (3rd level of classification)	Occupation (3rd level of classification)	2015	2016	2017	2018	2019	2020	2021	2022
941	Food preparation assistants	16.171	17.570	18.021	25.366	24.250	19.490	30.697	34.227
932	Manufacturing labourers	25.953	27.711	32.555	33.716	30.406	26.837	30.191	26.693
921	Agricultural, forestry and fishery labourers	30.226	31.814	30.843	32.117	34.586	30.026	29.682	37.062
834	Mobile plant operators	18.684	23.032	24.018	23.298	20.995	22.862	28.851	24.427
524	Other sales workers	28.705	24.199	25.433	27.835	28.731	25.220	28.304	40.424
242	Administration professionals	24.408	26.779	21.125	18.122	16.984	34.425	27.190	20.433
334	Administrative and specialised secretaries	38.914	36.616	34.732	36.218	41.766	40.966	26.824	25.966
216	Architects, planners, surveyors and designers	15.776	19.915	20.245	24.703	22.129	22.428	26.228	24.985

Specify the analysis

Highlight occupation
 Agricultural, forestry and fishery labourers x

Highlight code
 Highlight Code (3rd level of classification)

Region
 (All)

Skill level
 (All)

Occupation (1st level of classification)
 (All)

Code (1st level of classification)
 (All)

Occupation (2nd level of classification)
 (All)

Code (2nd level of classification)
 (All)

Percentage (%) of change
 -20,0% 20,0%

Download data

Metadata Back




Highlight occupation

Agricultural, forestry and fishery labourers x

Figure 22. Highlight field

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.

Code (3rd level of classification)	Occupation (3rd level of classification)	2015	2016	2017	2018	2019	2020	2021
Total		3,610,693	3,673,559 1.7%	3,752,674 2.2%	3,828,021 2.0%	3,911,030 2.2%	3,875,479 -0.9%	3,927,980 1.4%
522	Shop salespersons	399,240	409,289 2.5%	407,984 -0.3%	403,461 -1.1%	405,065 0.4%	413,905 2.2%	404,511 -2.3%
611	Market gardeners and crop growers	330,480	312,590 -5.4%	313,475 0.3%	326,073 4.0%	308,559 -5.4%	282,199 -8.5%	289,365 2.5%
411		138,459	153,739 11.0%	173,387 12.8%	179,848 3.7%	196,243 9.1%	208,163 6.1%	233,766 12.3%

Code (1st level of classification)	Occupation (1st level of classification)
Total	
5	

Data source order

- Alphabetic
- Field
- Nested

Figure 23. 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.

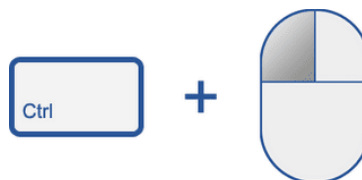


Figure 24. Option to multi-select data (Shortcut)

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.

2	Professionals	669,819	708,070 5.7%	729,227 5.0%	737,132 1.1%	752,675 2.1%	761,227 3.8%	824,200 8.3%
4	Clerical support workers	378,062	382,844 1.3%	399,597 4.4%	413,230 3.4%	449,437 8.8%	453,055 0.8%	455,333 0.5%
6	Skilled agricultural, fore...					410,486 -5.4%	375,399 -8.5%	414,622 10.4%
7	Craft and related trades					357,699 1.1%	344,087 -3.8%	368,623 7.1%
3	Technicians and associat...					312,079 2.7%	330,654 6.0%	399,079 4.3%
9	Elementary occupations	256,884	256,924 0.0%	270,985 5.5%	261,684 -3.4%	274,070 4.7%	250,312 -8.2%	256,756 2.6%

Keep Only Exclude

21 items selected · SUM(Persons employed): 8,311,906

Clerical support workers

Figure 25. 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.

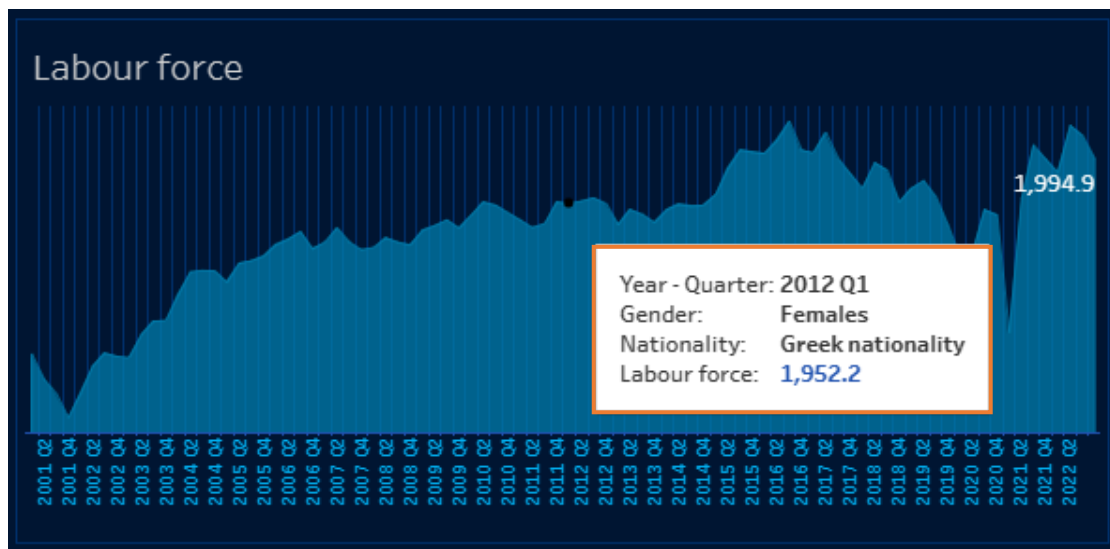



Figure 26. Tooltip

Additional functions

Color chart Legend

The color chart legend (legend) presents in some interactive tables the color gradation of the percentage change, while in other cases when the Highlight symbol  is active, it is possible to select a color value of the legend and simultaneously display it on the graph.

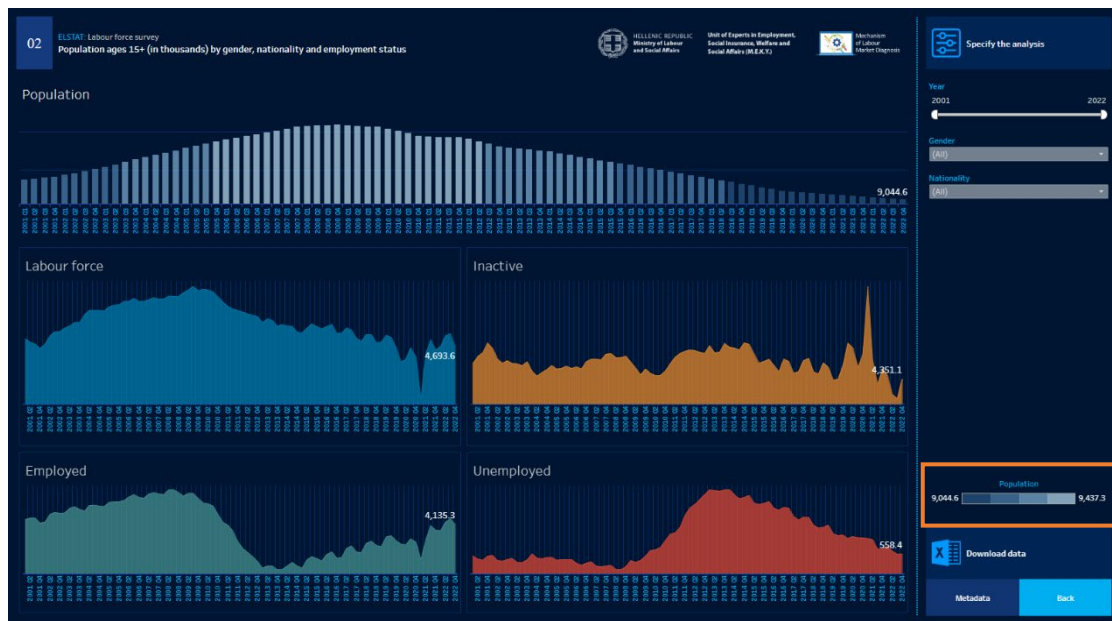


Figure 27. Color chart Legend

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.

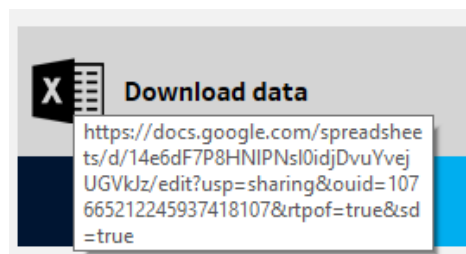


Figure 28. Download Excel file

Metadata

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

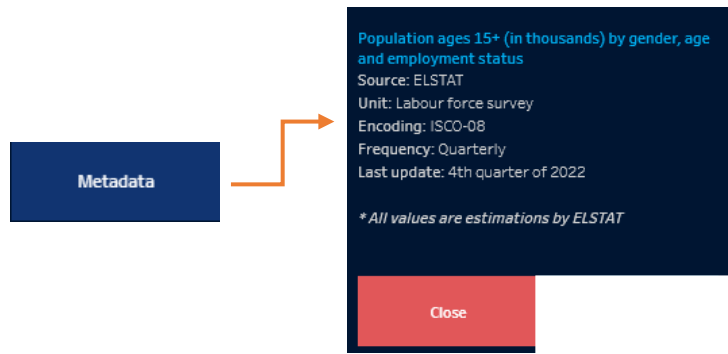


Figure 29. Metadata pop-up menu

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 30. 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**.

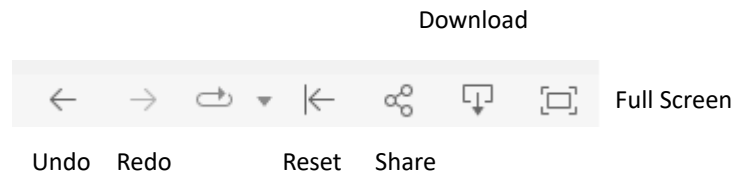


Figure 31. Options bar Tableau

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 32. 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.

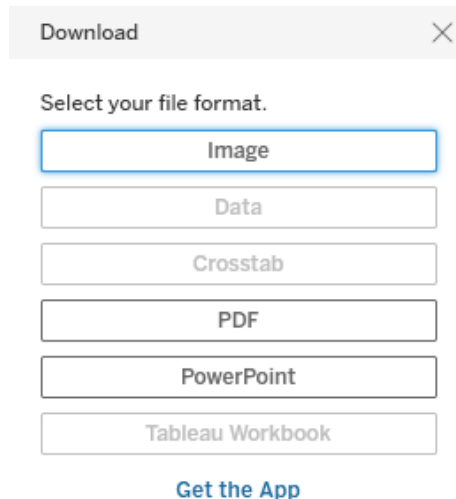


Figure 33. Download pop-up window (Download)

Interactive table overview:

02. Population ages 15+ (in thousands) by gender, nationality and employment status

Dashboard link:

<https://mdaae.gr/en/data/plithysmos-tis-ellados-se-chiliades-kata-fylo-ypikootita-kai-katastasi-apascholis/>

Source: ELSTAT

Population ages 15+ (in thousands) by gender, nationality and employment status

This dashboard shows the population ages over 15 years old (in thousands) by employment status for each quarter of the period 2001 to 2022.

For further data analysis, users may choose a combination of the filter area: Year, gender and nationality, specifying the analysis of the data.

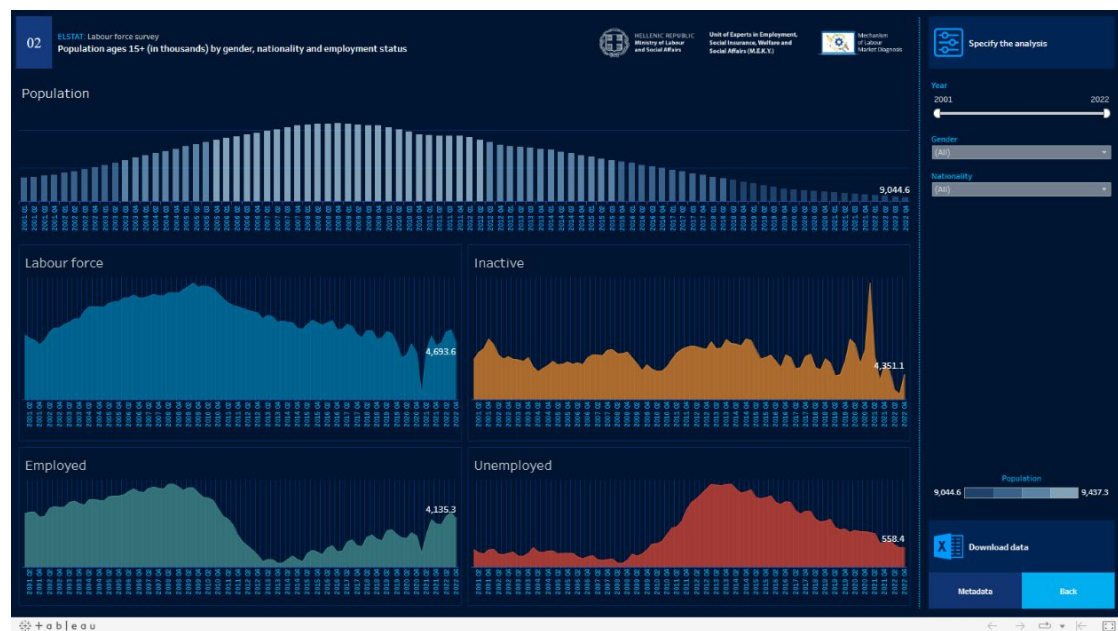
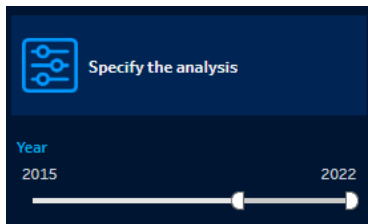


Figure 34. Population ages 15+ (in thousands) by gender, nationality and employment status

In the central part of the interactive table, population estimates per quarter and employment status (labour force, inactive, employed, unemployed) are displayed in the form of histograms, while in the legend on the right, below the filters, the color gradient of the percentage change of the population is displayed.



By selecting from the filter area and the slider bar the year or time period we are interested in, e.g. 2015-2022, the dashboard shows interactively in all graphs the relevant estimates per quarter for the population and its employment status for the years selected.

Figure 35. Select a time period

Thus, the first graph shows the population ages over 15 for each quarter of the period 2015-2022, followed by the breakdown by employment status (labour force, inactive, employed, unemployed) per quarter for the selection period. In addition, by selecting gender and/or one or more age groups, the relevant estimates in the interactive whiteboard are further refined.

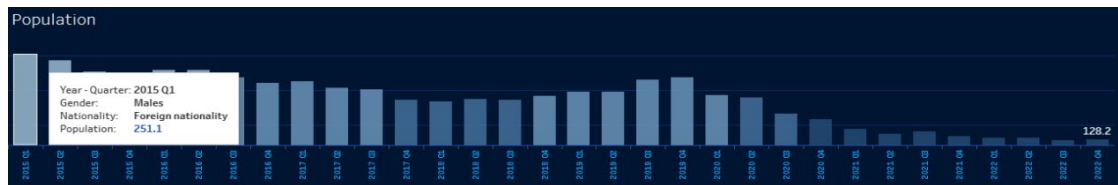


Figure 36. Population ages 15+ (in thousands) by gender and nationality (2015-2022)

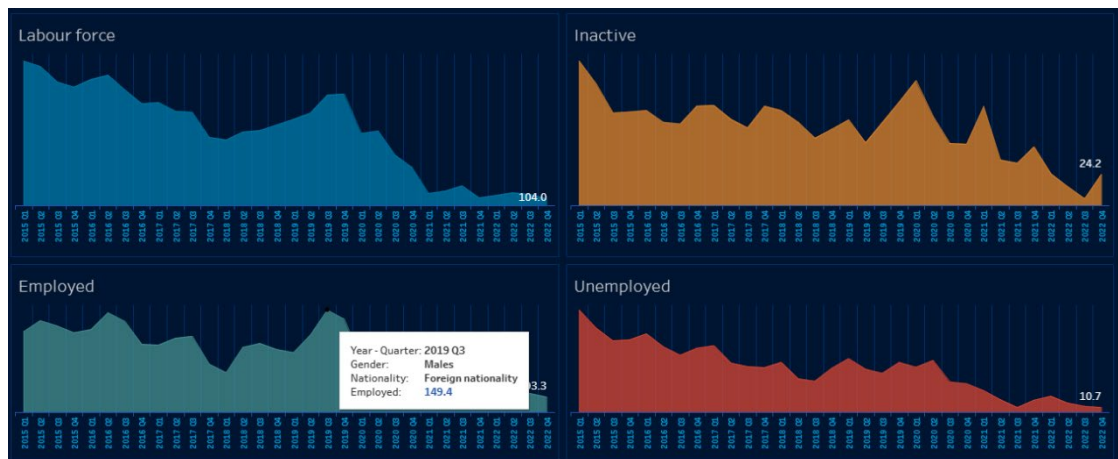


Figure 37. Population ages 15+ (in thousands) by gender, nationality and employment status (2015-2022)