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)

Unemployment by previous occupation

USER GUIDE FOR THE DASHBOARD

Unemployment by previous occupation and age

e1

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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.

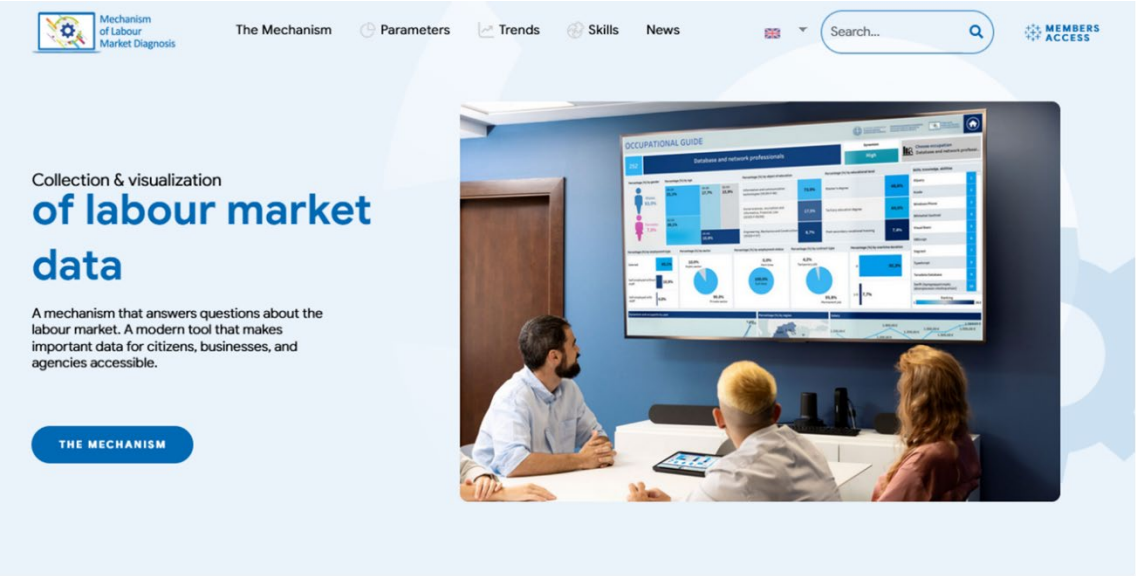


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

The interactive tables created with ELSTAT data for the labour market (2015-2022) 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.

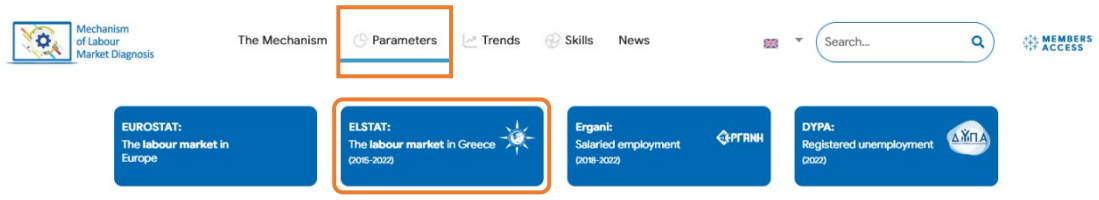


Figure 2. Main options menu

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."

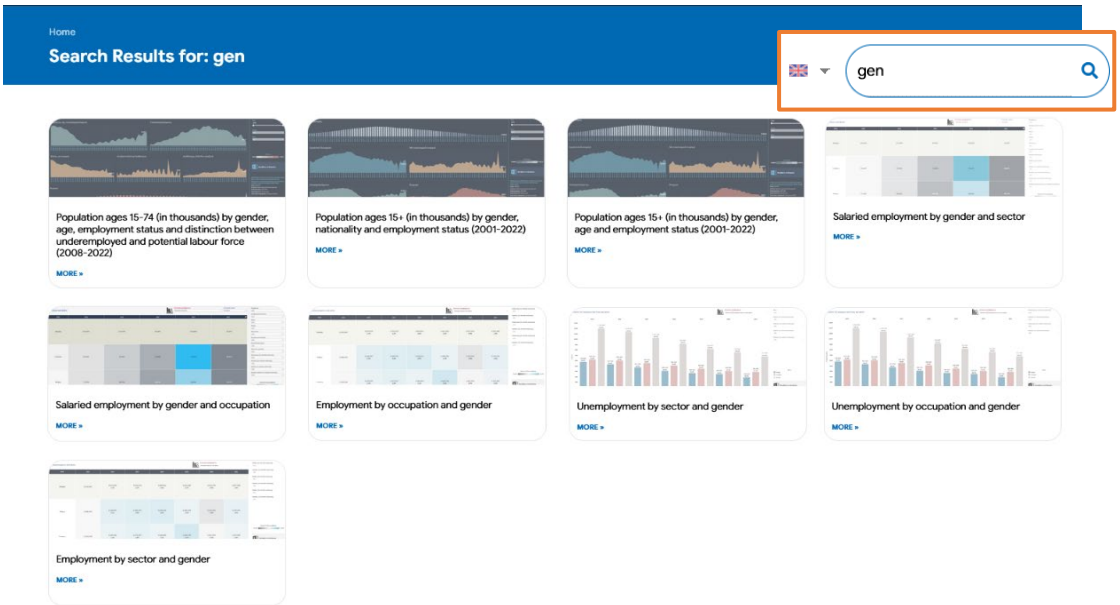


Figure 5. Option to type in the Search field

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 »

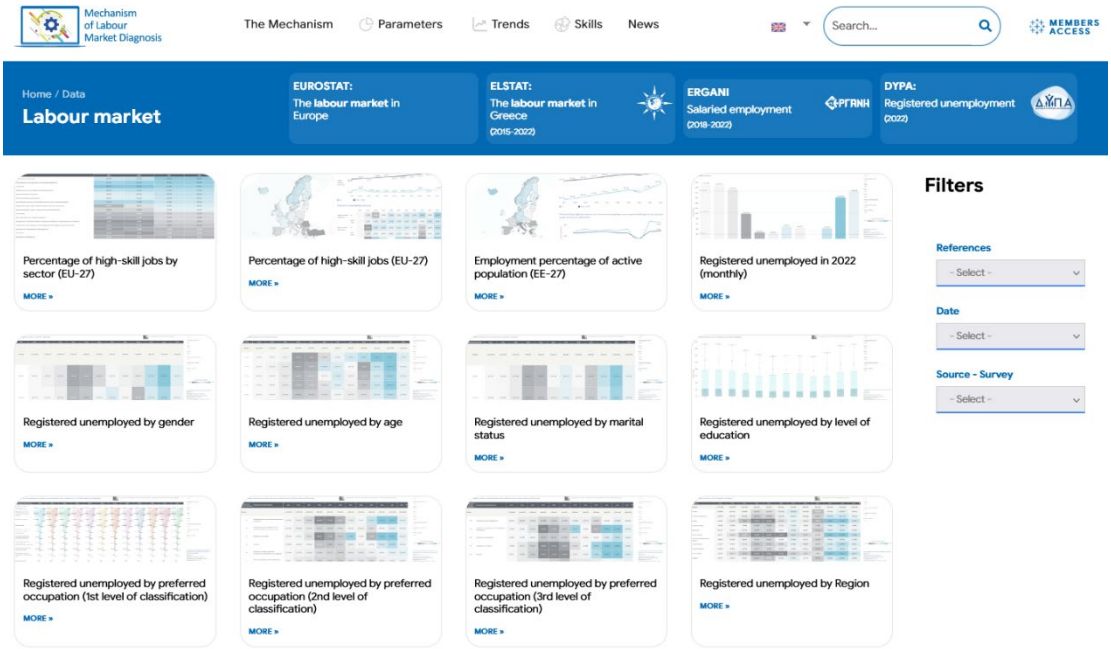


Figure 6. Thematic unit Home page: Contents of all categories

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.

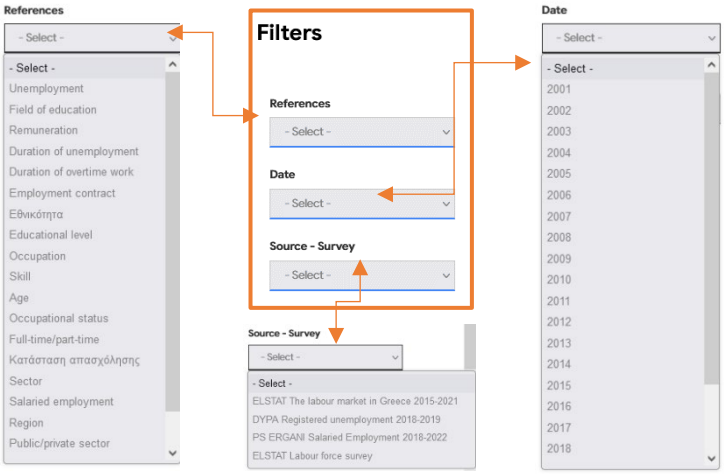


Figure 7. Search filters

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.

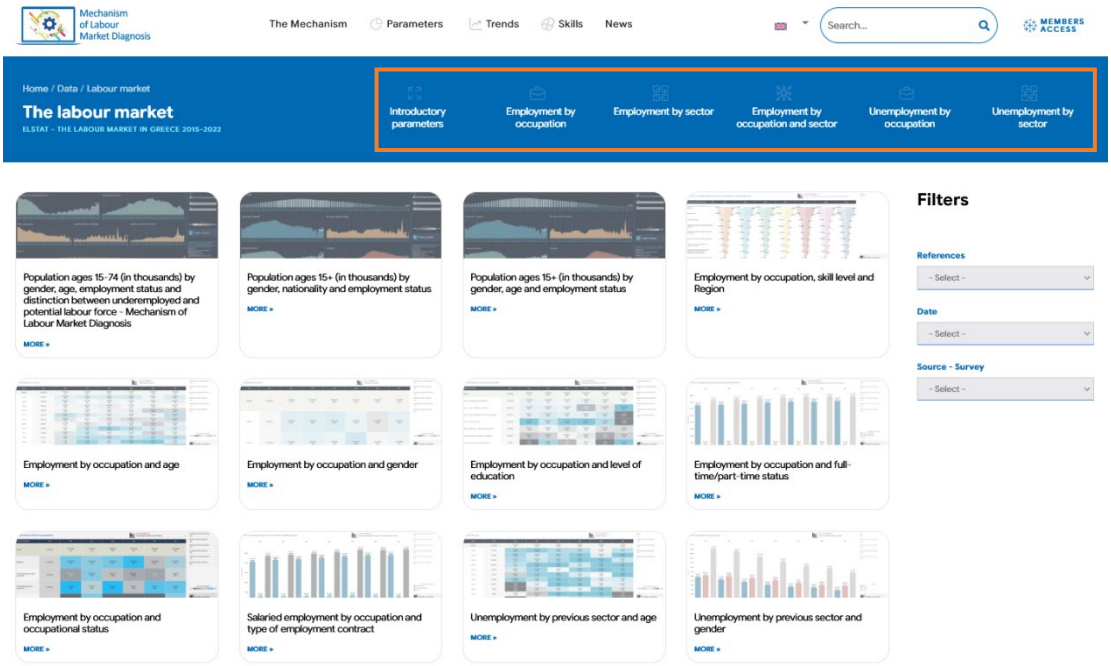


Figure 9. Data category contents by publication source (thumbnails)

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.

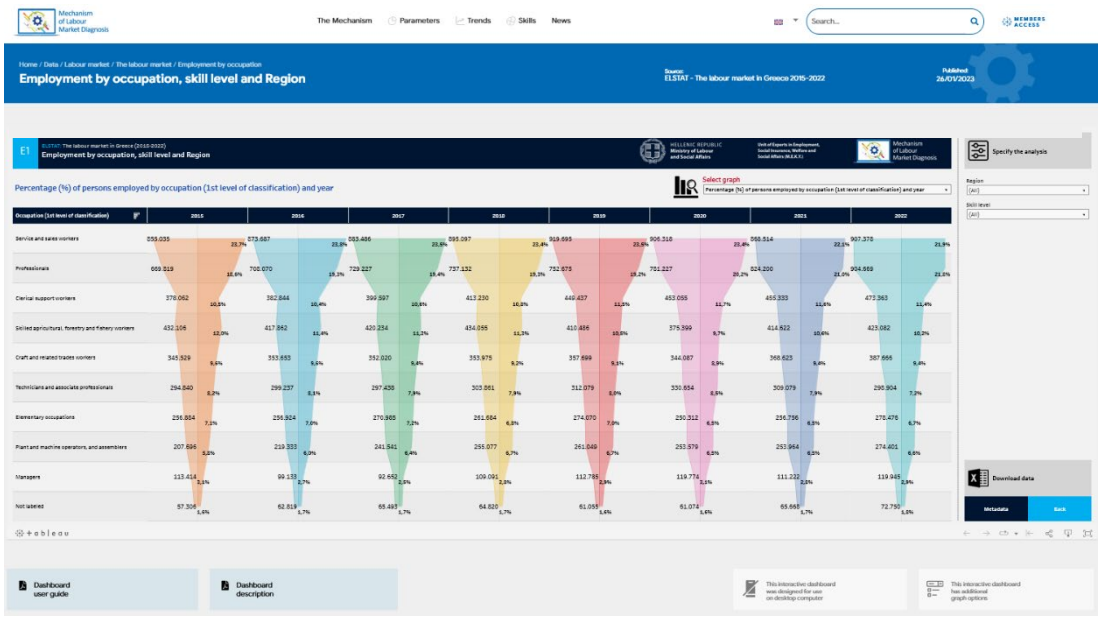


Figure 10. Working environment of Interactive table

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.

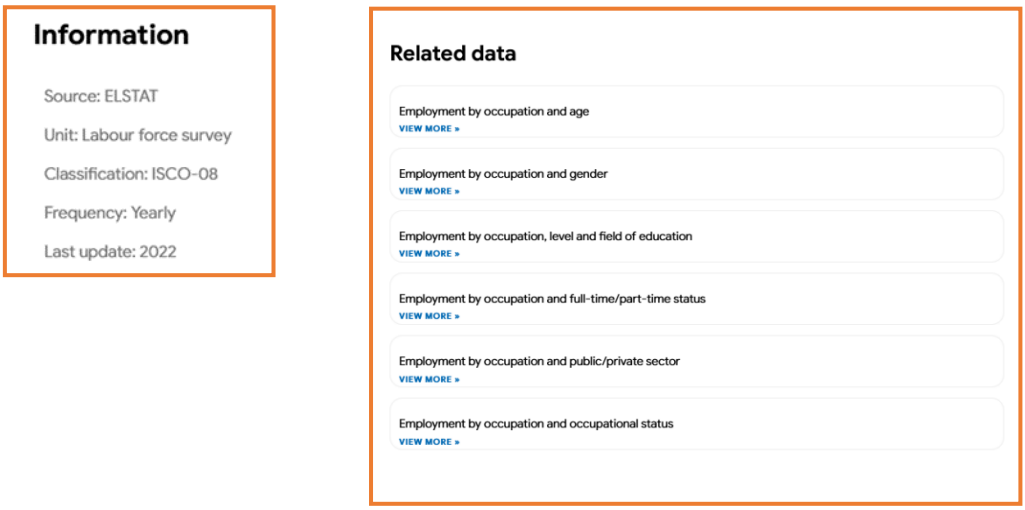


Figure 12. Working environment of Interactive table: Table information and direct access to Related data

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.

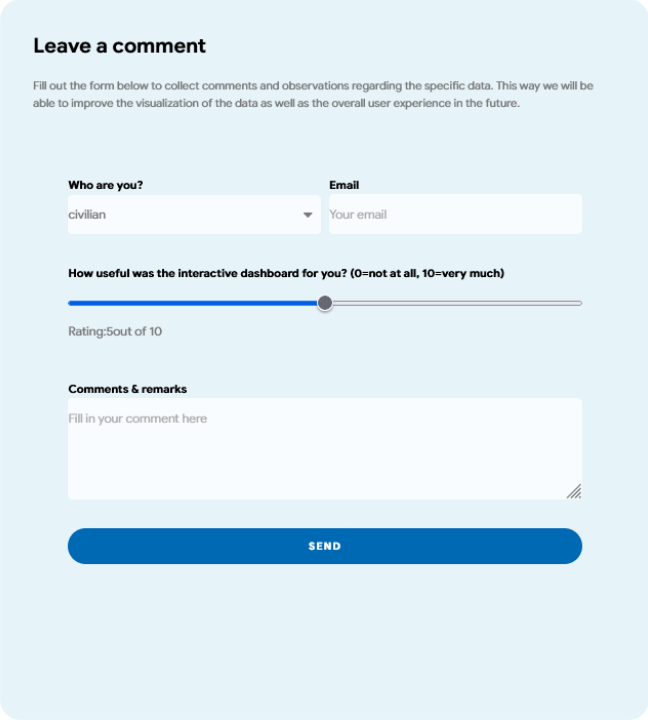


Figure 13. Evaluation and comments form of Interactive tables

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).

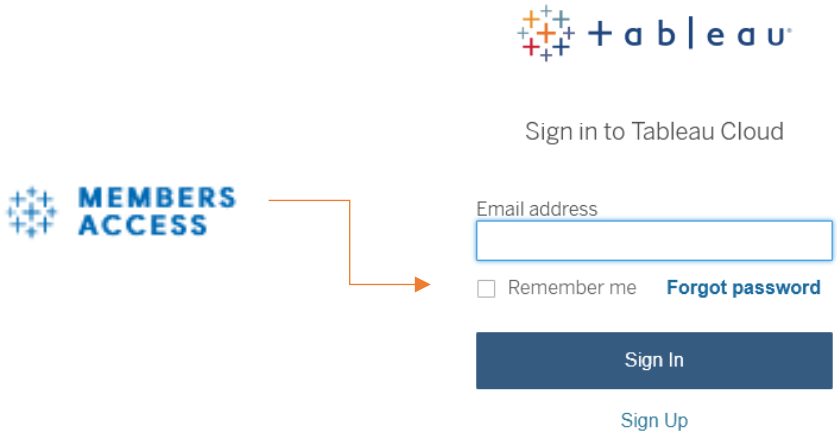


Figure 15. Members access

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 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.

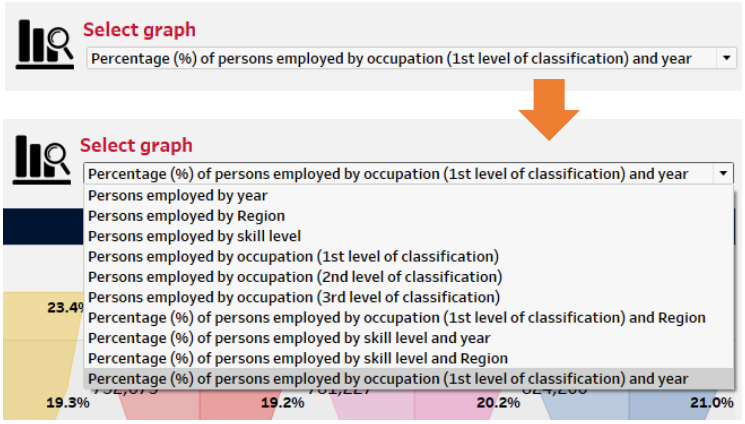


Figure 16. Select graph

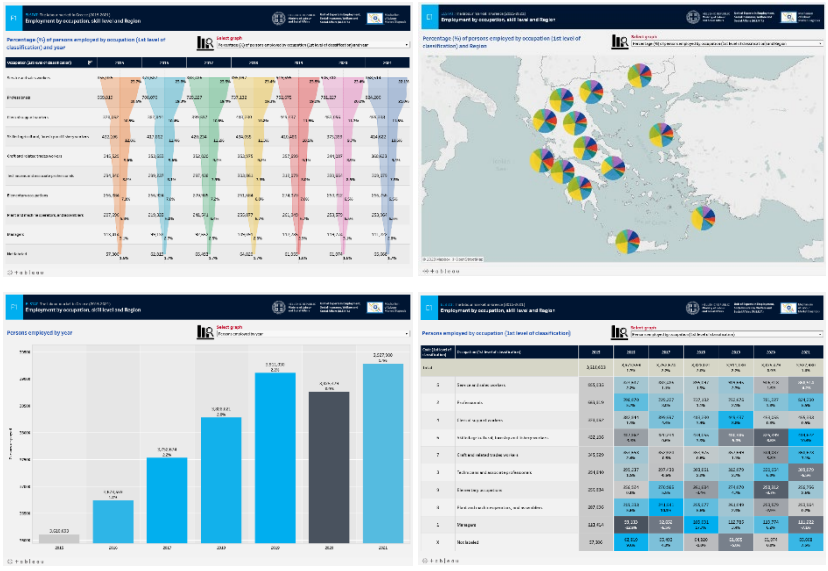


Figure 17. Select graph and other analysis visualizations

Analysis specialization

Filter selection

The selection filters 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, selecting one value at a time from the drop-down list of unique values (single value) or more values from the multiple value drop-down list from 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.

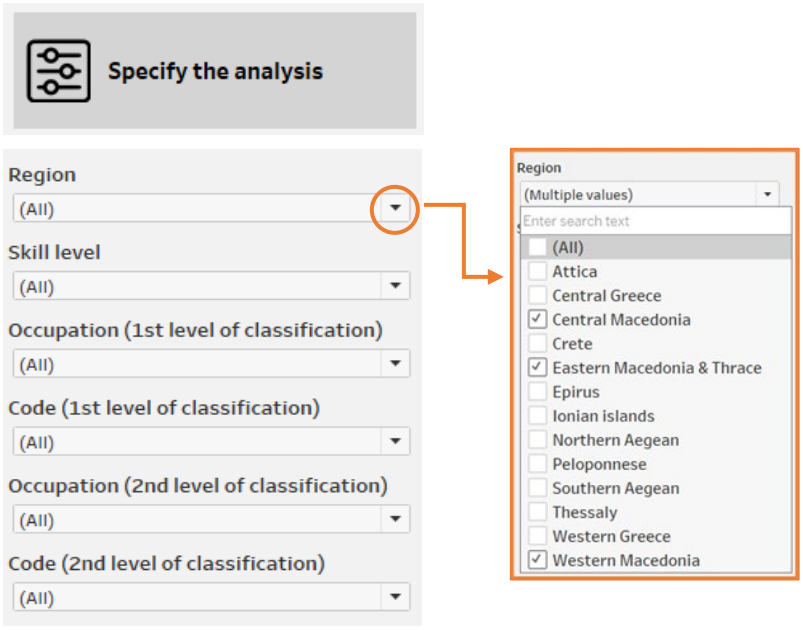


Figure 18. Analysis specialization options (using filters)

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.

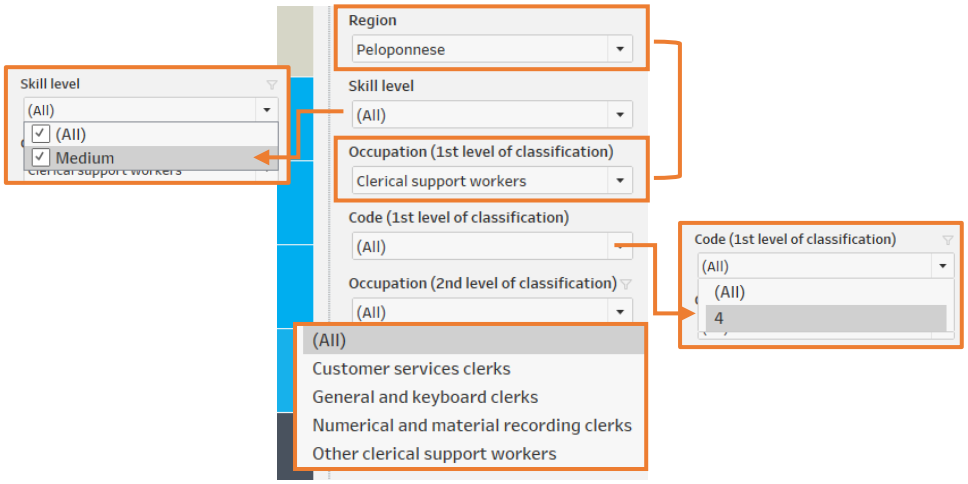


Figure 19. Combined use of filters

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.

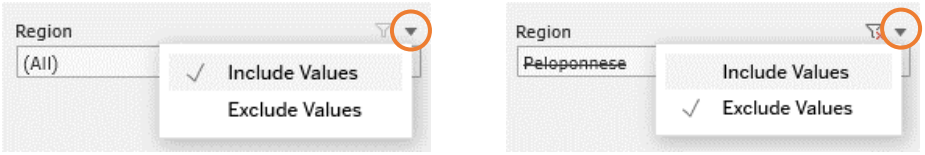


Figure 20. Option to include or exclude filter values

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.

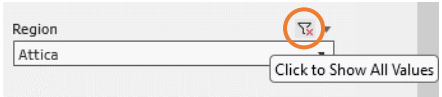


Figure 21. Reset filters to their original state

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.

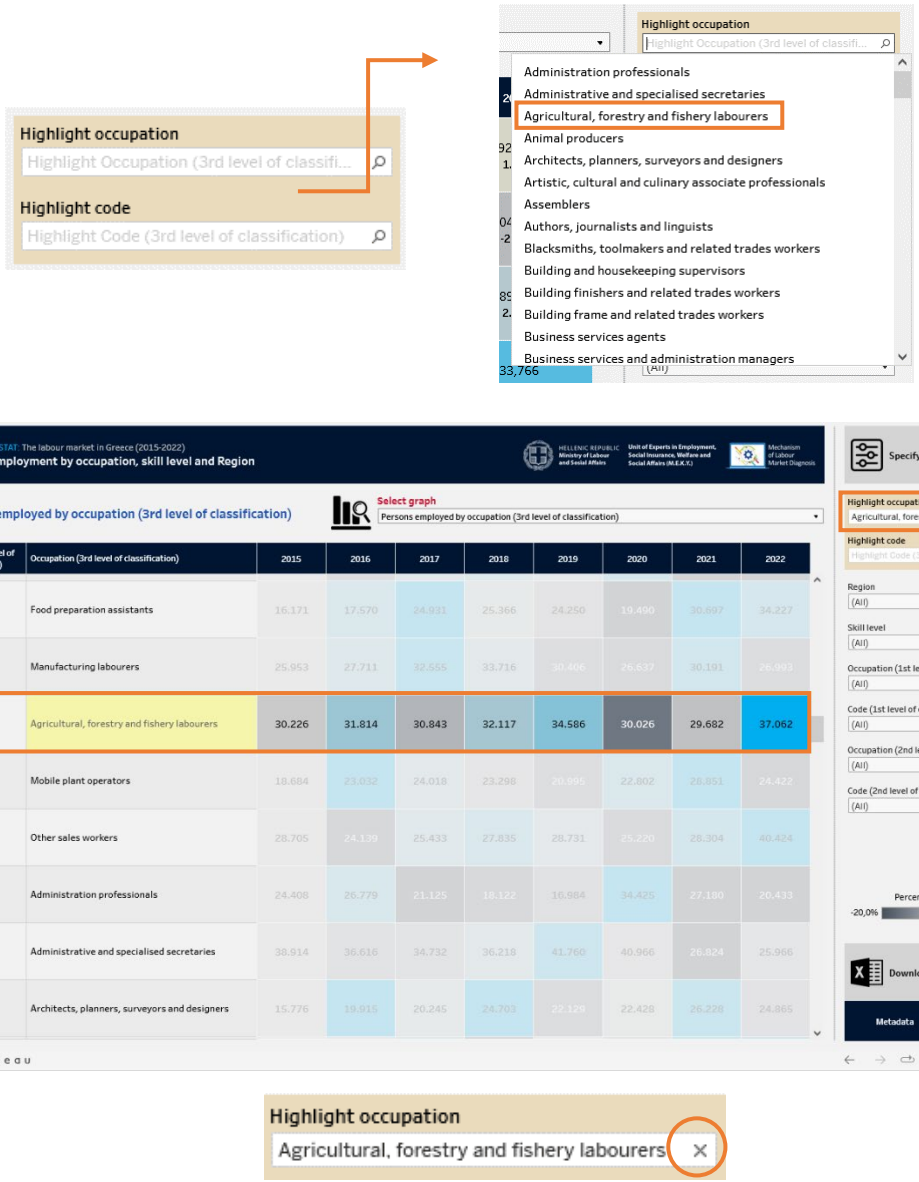


Figure 22. Highlight field

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.

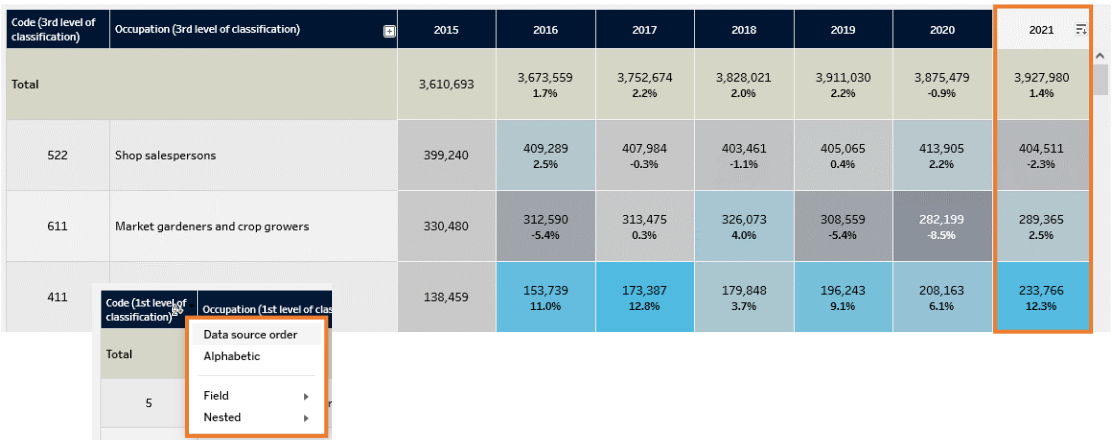


Figure 23. Data sorting options

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.

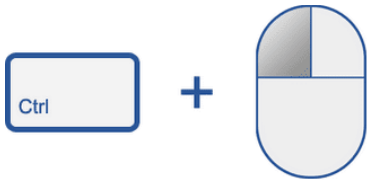


Figure 24. Option to multi-select data (Shortcut)

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.

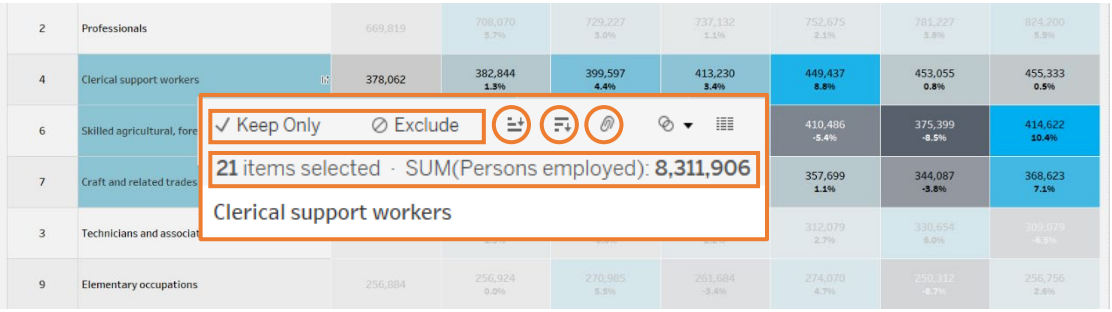


Figure 25. Pop up bar of options

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.

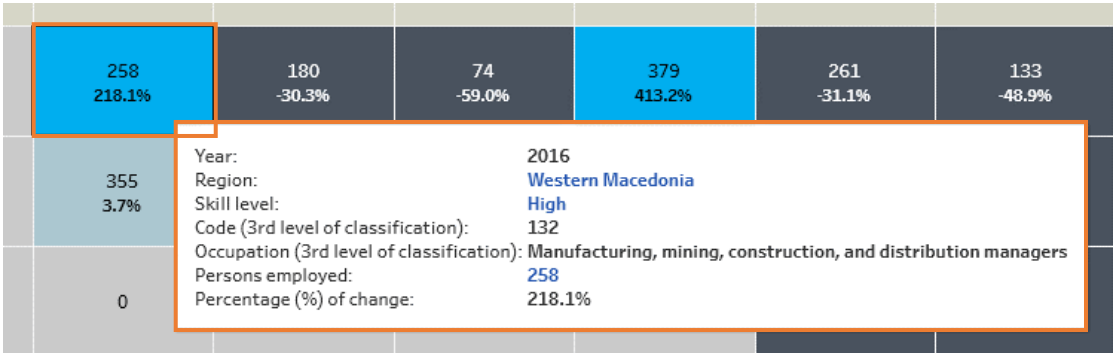


Figure 26. Tooltip

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.

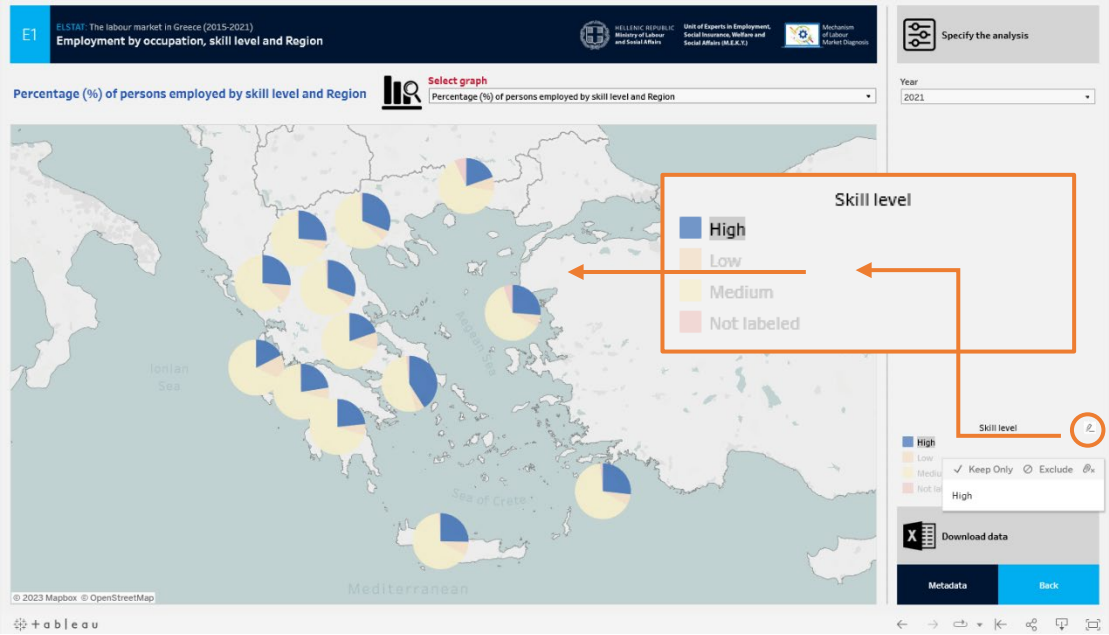


Figure 27. Color chart legend (legend)

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.

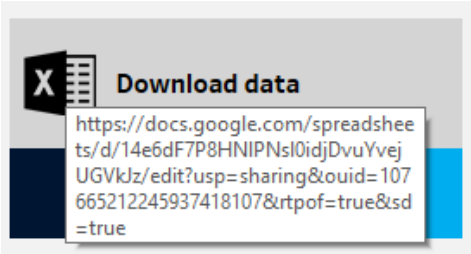


Figure 28. Download Excel file

Metadata

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

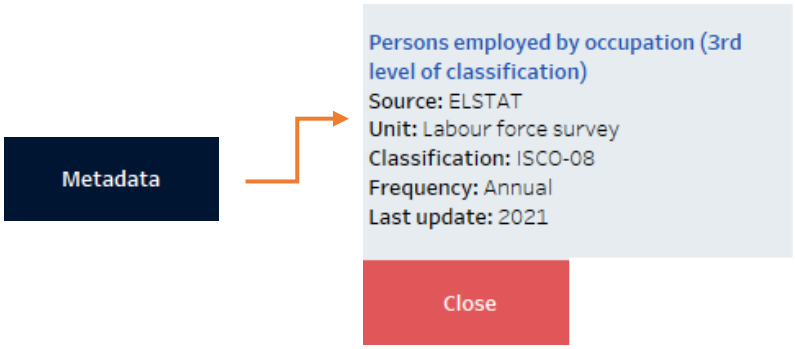
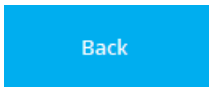


Figure 29. Metadata pop-up menu

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**.

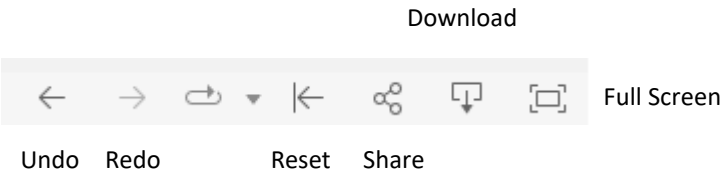


Figure 31. Options bar Tableau

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.

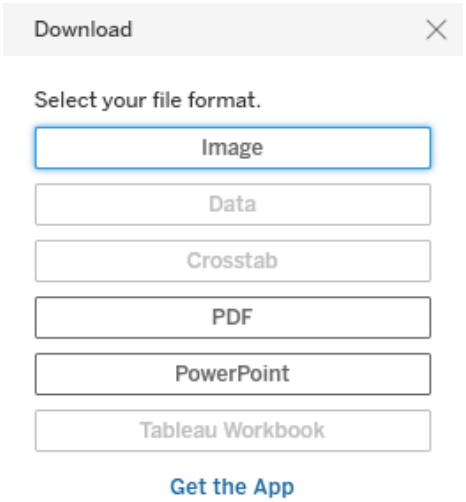


Figure 33. Download pop-up window (Download)

Interactive table otherview:
e1. Unemployment by previous occupation and age

Dashboard link:
https://mdaae.gr/en/data/i-statistiki-anergia-ana-epangelma-kai-ilikia/

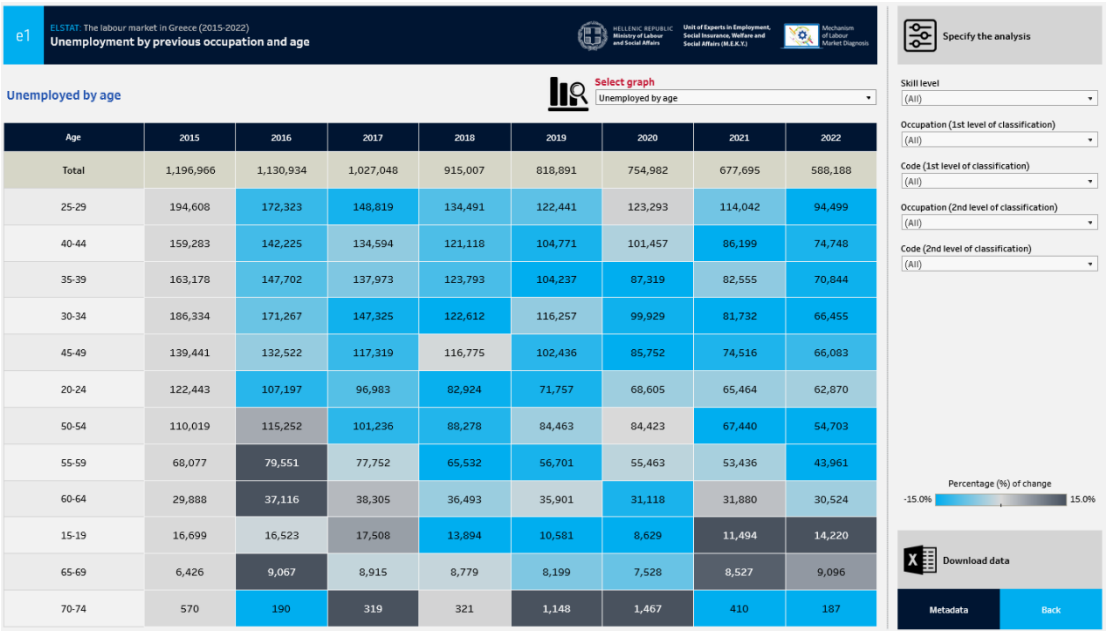
Source: ELSTAT

Persons unemployed by age

In this dashboard, users can analyze the persons unemployed by age for the years 2015-2022 and their percentage change per year (tooltip).

In addition, they can specialize the classification by selecting, in combination, from the filter area: skill level, occupation or occupation code in one-digit and two-digit classification (ISCO-08 Classification).

In the central part of the interactive table, the estimations of the persons unemployed are displayed in table form, while in the legend on the right, below the filters, the color gradation of the percentage change of the persons unemployed is displayed.



Age	2015	2016	2017	2018	2019	2020	2021	2022
Total	1,196,966	1,130,934	1,027,048	915,007	818,891	754,982	677,695	588,188
25-29	194,608	172,323	148,819	134,491	122,441	123,293	114,042	94,499
40-44	159,283	142,225	134,594	121,118	104,771	101,457	86,199	74,748
35-39	163,178	147,702	137,973	123,793	104,237	87,319	82,555	70,844
30-34	186,334	171,267	147,325	122,612	116,257	99,929	81,732	66,455
45-49	139,441	132,522	117,319	116,775	102,436	85,752	74,516	66,083
20-24	122,443	107,197	96,983	82,924	71,757	68,605	65,464	62,870
50-54	110,019	115,252	101,236	88,278	84,463	84,423	67,440	54,703
55-59	68,077	79,551	77,752	65,532	56,701	55,463	53,436	43,961
60-64	29,888	37,116	38,305	36,493	35,901	31,118	31,880	30,524
15-19	16,699	16,523	17,508	13,894	10,581	8,629	11,494	14,220
65-69	6,426	9,067	8,915	8,779	8,199	7,528	8,527	9,096
70-74	570	190	319	321	1,148	1,467	410	187

Figure 34. Persons unemployed by age

Persons unemployed by year

This dashboard displays the number of persons unemployed and their yearly percentage change (tooltip) from 2015 to 2022.

For further data analysis, users can choose from the filter area in combination: age, skill level, occupation or occupation code at the 1st and 2nd level of classification (ISCO-08 Classification), specializing in the data classification.

In the central part of the interactive table, the estimations of the persons unemployed are displayed in histogram format, while in the legend on the right, below the filters, the color gradation of the percentage change of the persons unemployed is displayed.

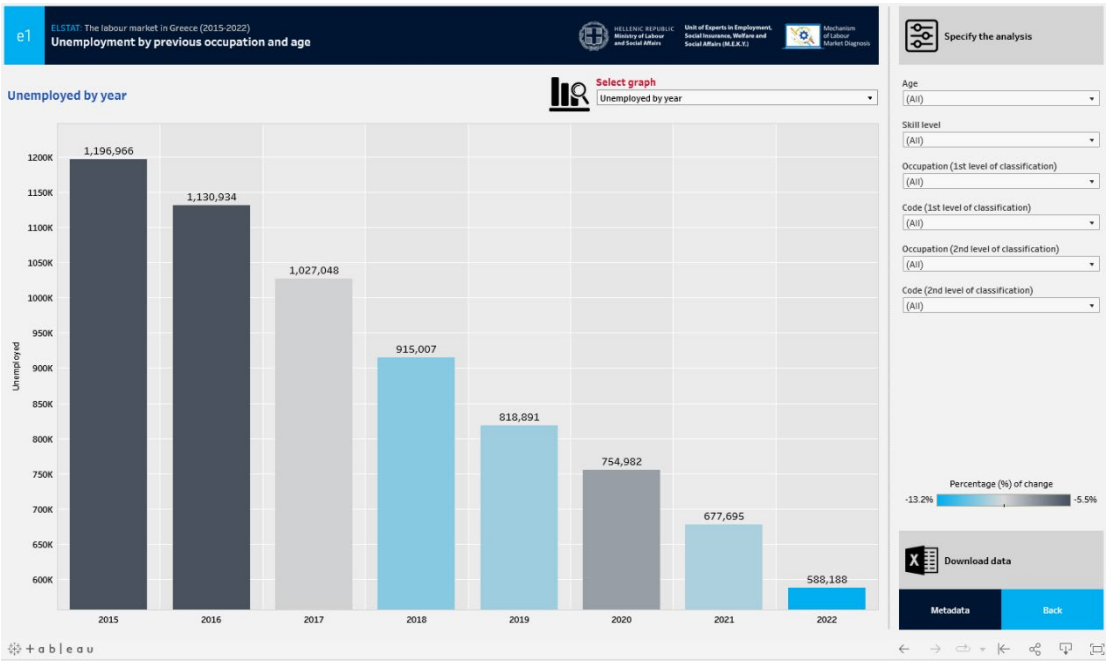


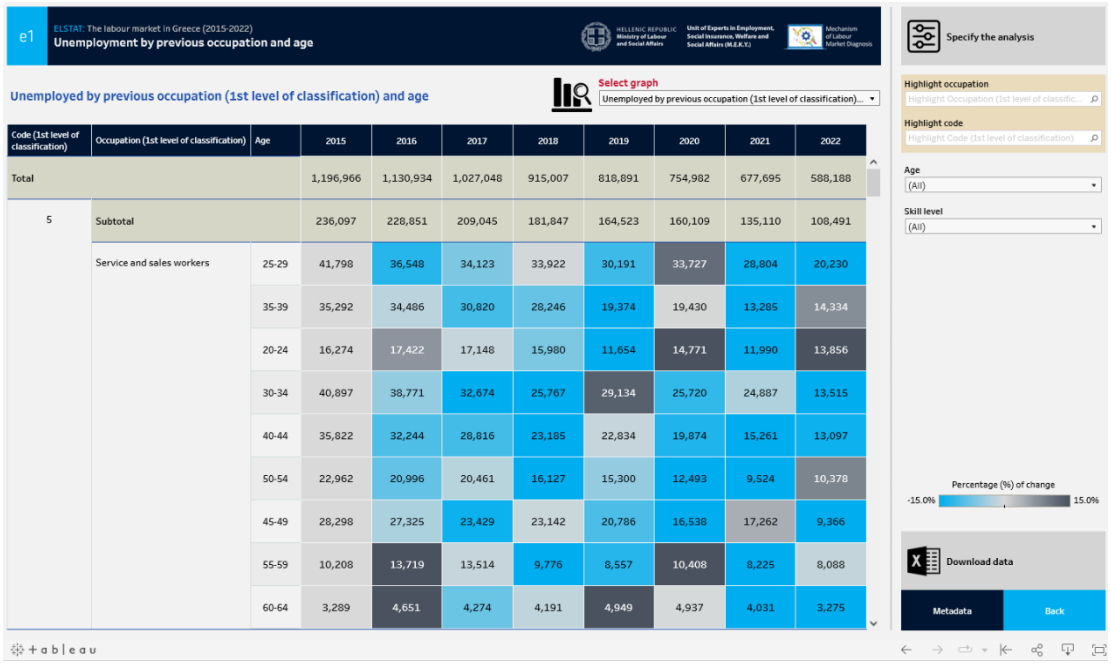
Figure 35. Persons unemployed by year

Persons unemployed by previous occupation (1st level of classification) and age

This dashboard shows the persons unemployed by previous occupation in single-digit classification (ISCO-08 Classification) for the years 2015-2022, as well as their percentage change per year (tooltip).

In addition, users can specialize the classification by age and skill level.

In the central part of the interactive table, the estimations of the persons unemployed are displayed in table form, while in the legend on the right, below the filters, the color gradation of the percentage change of the persons unemployed is displayed.



Code (1st level of classification)	Occupation (1st level of classification)	Age	2015	2016	2017	2018	2019	2020	2021	2022
Total			1,196,966	1,130,934	1,027,048	915,007	818,891	754,982	677,695	588,188
5	Subtotal		236,097	228,851	209,045	181,847	164,523	160,109	135,110	108,491
	Service and sales workers	25-29	41,798	36,548	34,123	33,922	30,191	33,727	28,804	20,230
		35-39	35,292	34,486	30,820	28,246	19,374	19,430	13,285	14,334
		20-24	16,274	17,422	17,148	15,980	11,654	14,771	11,990	13,856
		30-34	40,897	38,771	32,674	25,767	29,134	25,720	24,887	13,515
		40-44	35,822	32,244	28,816	23,185	22,834	19,874	15,261	13,097
		50-54	22,962	20,996	20,461	16,127	15,300	12,493	9,524	10,378
		45-49	28,298	27,325	23,429	23,142	20,786	16,538	17,262	9,366
		55-59	10,208	13,719	13,514	9,776	8,557	10,408	8,225	8,088
		60-64	3,289	4,651	4,274	4,191	4,949	4,937	4,031	3,275

Figure 36. Persons unemployed by previous occupation (1st level of classification) and age

Persons unemployed by previous occupation (2nd level of classification) and age

This dashboard displays the persons unemployed by previous occupation in a two-digit classification (ISCO-08 Classification) for the years 2015-2022, as well as their percentage change per year (tooltip). In addition, users can specialize the classification by age, skill level, occupation and occupation code (1st level of classification).

By selecting from the filter area an occupation or single-digit classification occupation code, the table displays all relevant sectors in groups at 2nd level of classification.

In the central part of the interactive table, the estimations of the persons unemployed are displayed in table form, while in the legend on the right, below the filters, the color gradation of the percentage change of the persons unemployed is displayed.

Figure 37. Persons unemployed by previous occupation (2nd level of classification) and age

Percentage (%) of persons unemployed by year and age

This dashboard displays the percentage (%) of persons unemployed per year (2015-2022) and age. In addition, users can specialize the classification by age, skill level, occupation and occupation code at 1st and 2nd level of classification (ISCO-08 Classification).

In the central part of the interactive table, the estimates of the persons unemployed for each year are displayed as axonometric graphs. In more detail, the left part of the vertical axis shows the absolute number of the persons unemployed and their percentage change per year (tooltip), while the right part shows the percentage (%) of the persons unemployed by age.

Figure 38. Percentage (%) of persons unemployed by year and age