



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)
Employment by occupation

USER GUIDE FOR THE DASHBOARD

**Employment by occupation
and occupational status**

E7



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

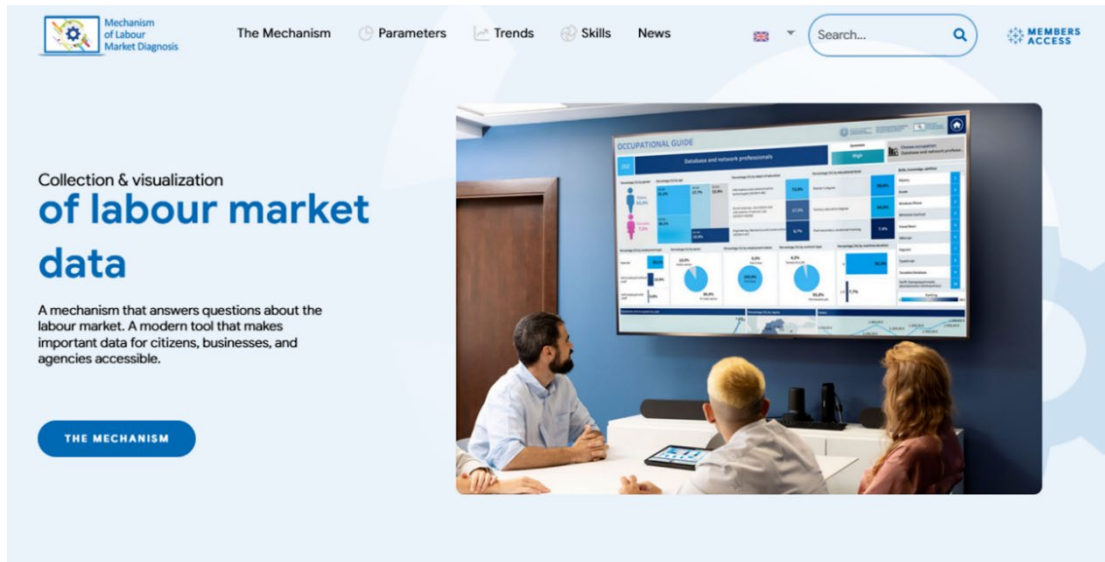


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

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.

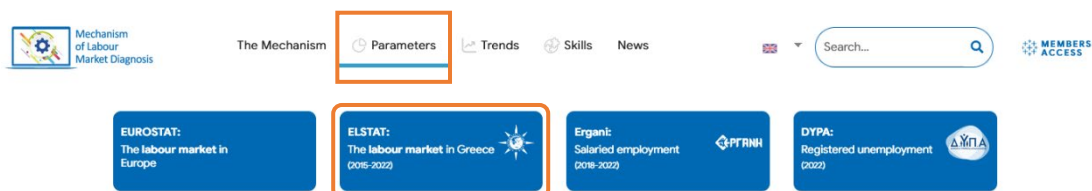


Figure 2. Main options menu

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.

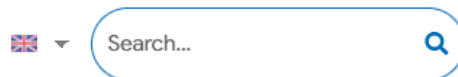


Figure 4. Search field for published analyses

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

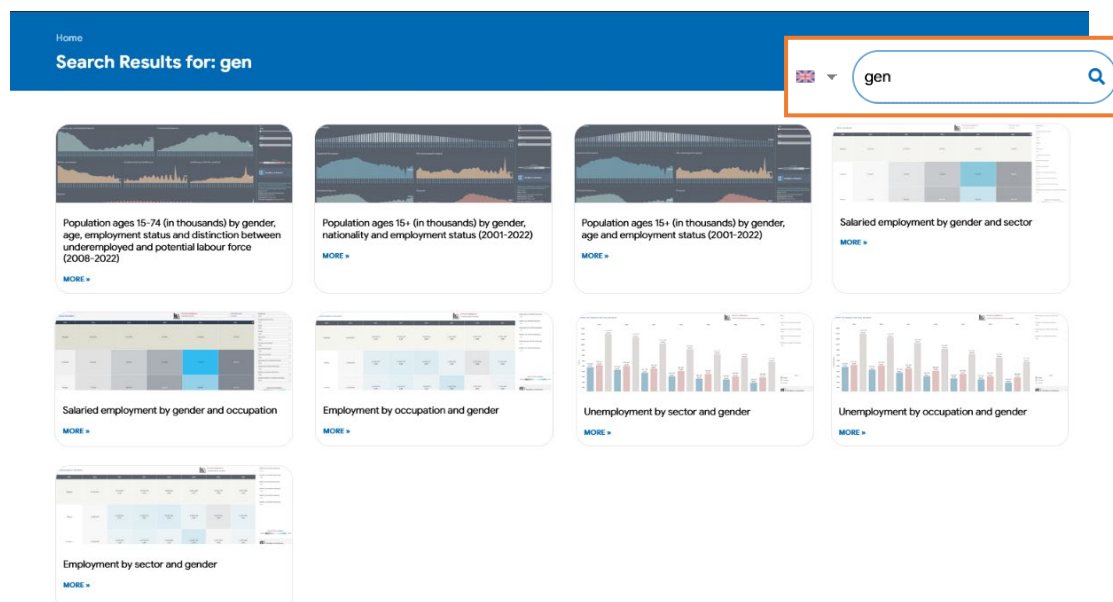


Figure 5. Option to type in the Search field



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 >**

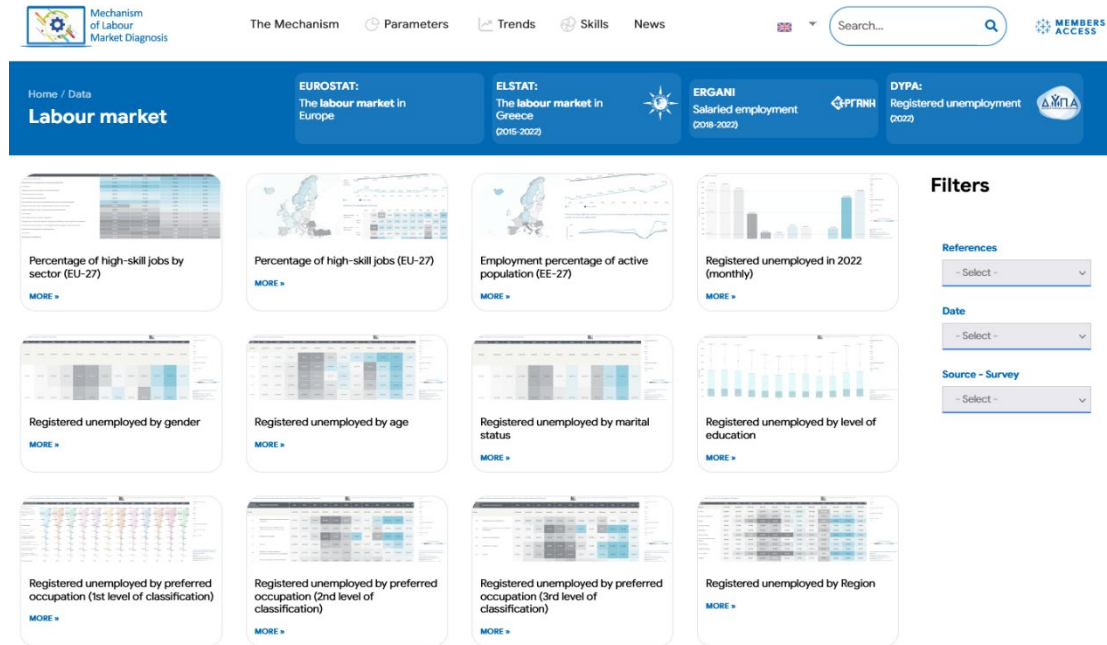


Figure 6. Thematic unit Home page: Contents of all categories

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.

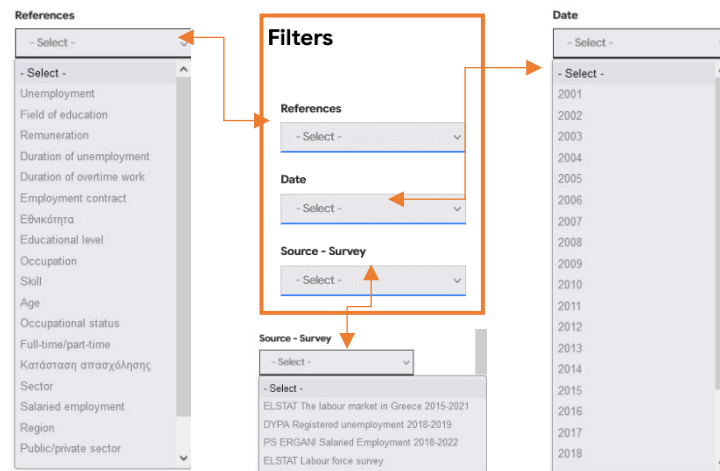


Figure 7. Search filters



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

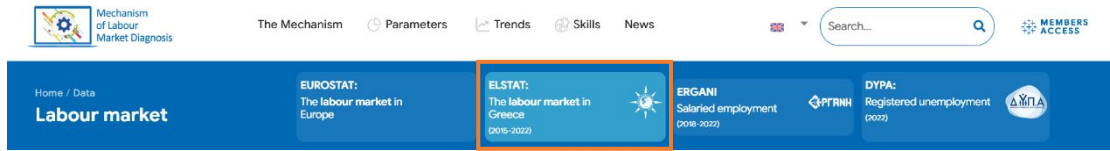


Figure 8. Navigation bar in the categories of the thematic section

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

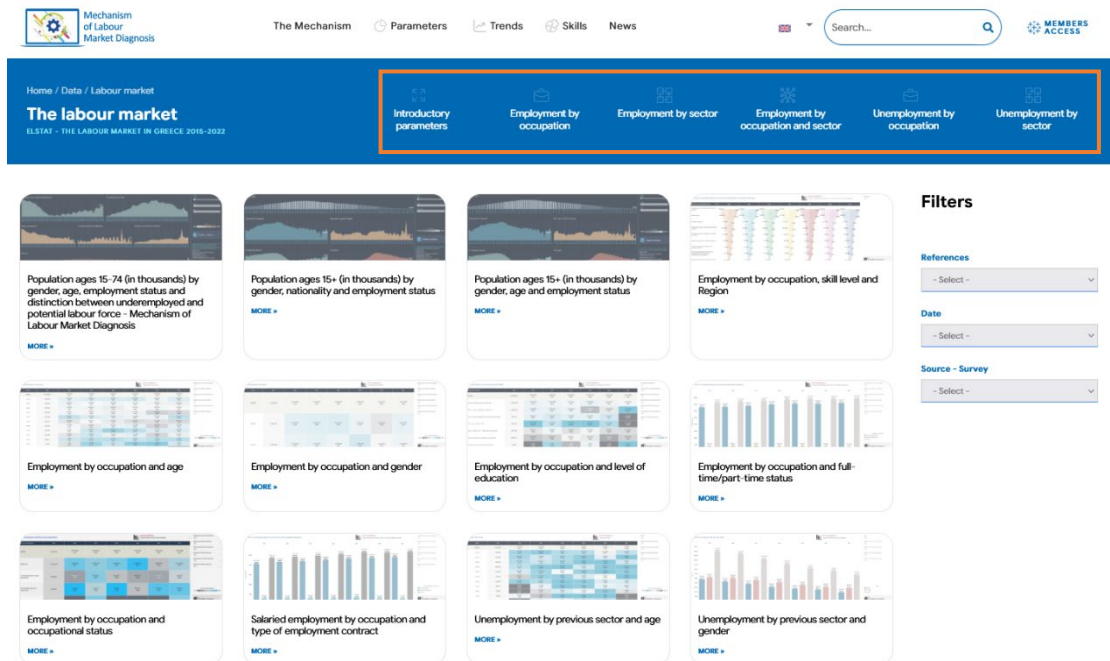


Figure 9. Data category contents by publication source (thumbnails)

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.

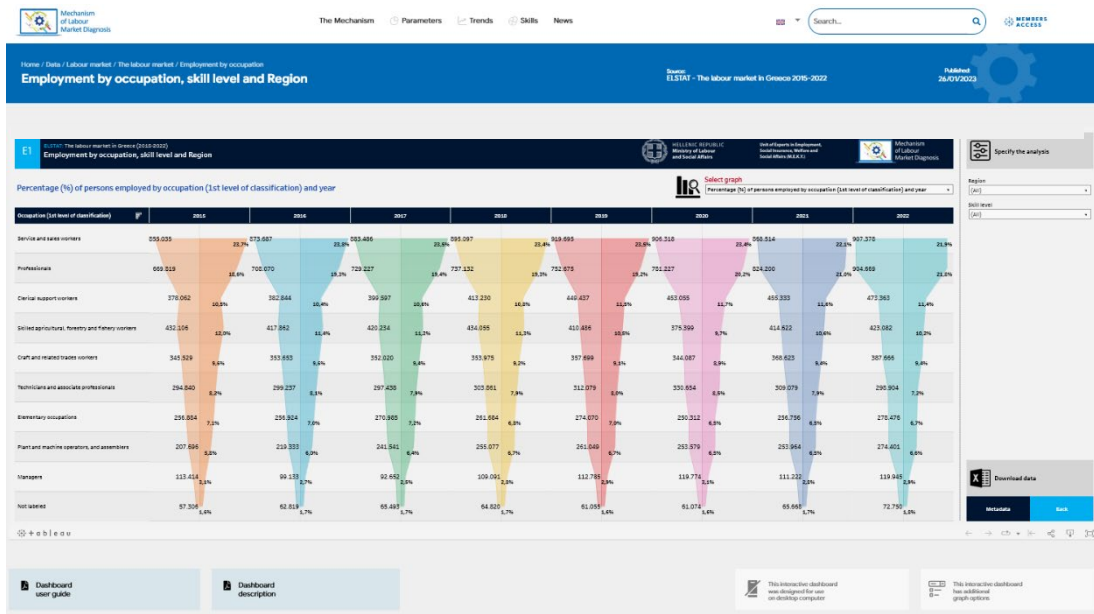


Figure 10. Working environment of Interactive table

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

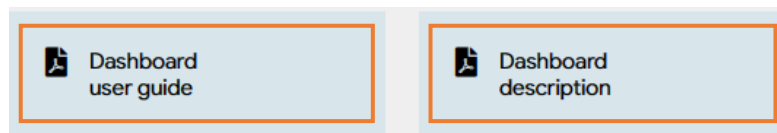


Figure 11. Working environment of Interactive table: User guide and Description of the interactive tables

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



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 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.

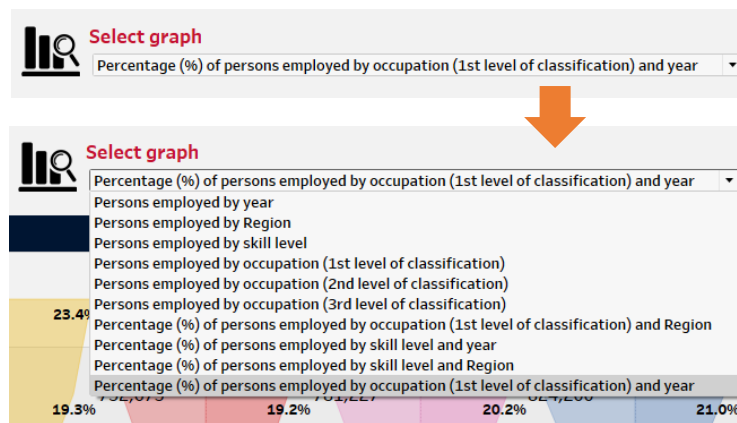


Figure 16. Select graph

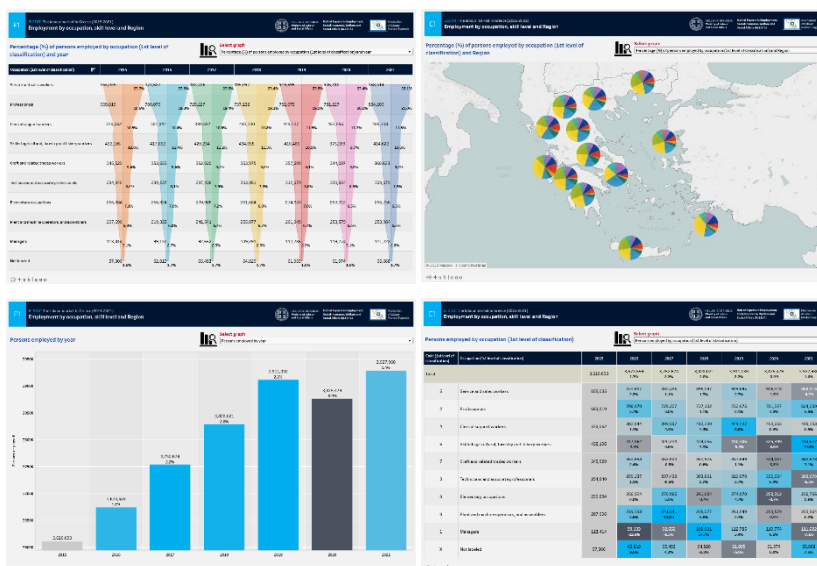


Figure 17. Select graph and other analysis visualizations

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.

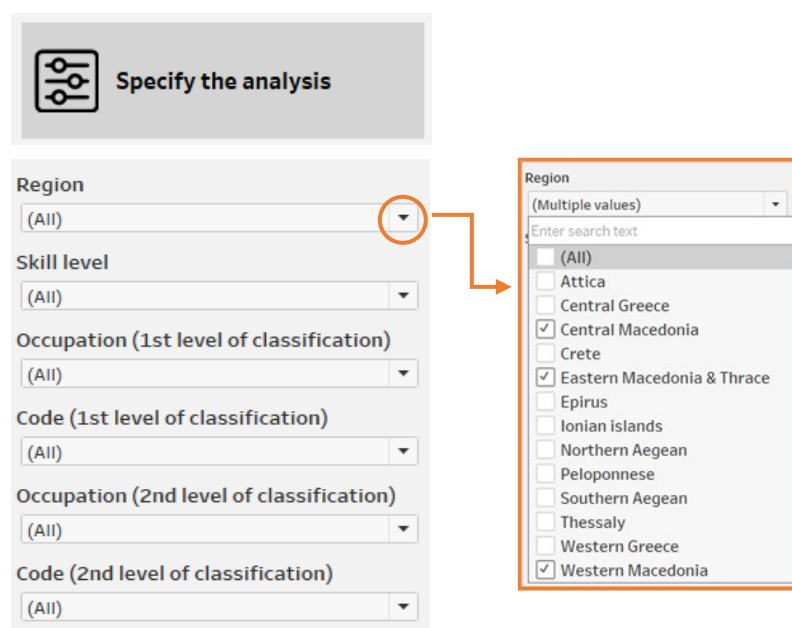


Figure 18. Analysis specialization options (using filters)

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.

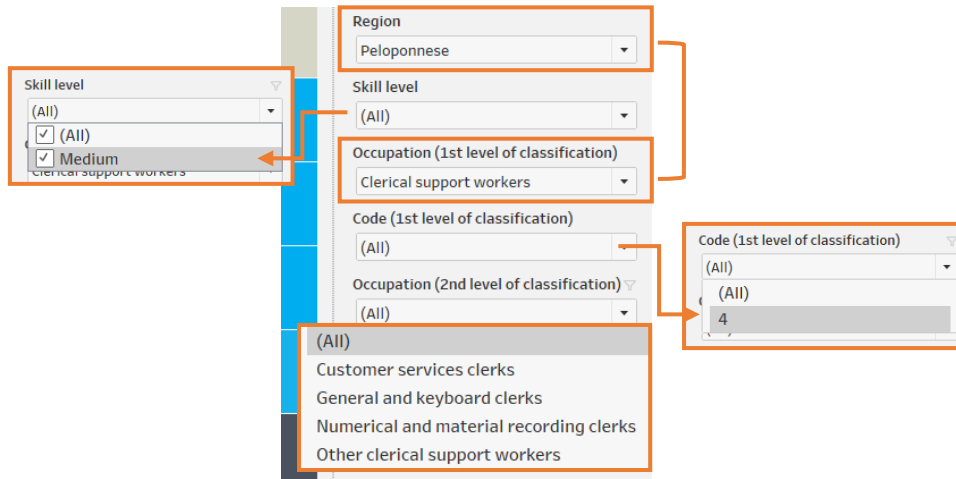


Figure 19. Combined use of filters


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.

Highlight occupation

Highlight Occupation (3rd level of classification)

Highlight code

Highlight Code (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	14.921	25.366	24.250	19.490	30.697	34.227
932	Manufacturing labourers	25.953	27.711	32.555	33.716	30.406	26.637	30.191	26.993
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	21.032	24.018	23.298	20.995	22.802	26.851	24.422
524	Other sales workers	28.705	24.139	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	25.968
216	Architects, planners, surveyors and designers	15.776	19.915	20.245	24.703	22.129	22.428	26.228	24.985

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% to 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.

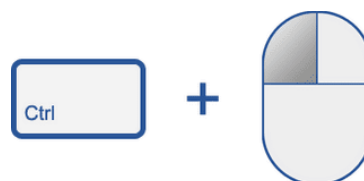


Figure 24. Option to multi-select data (Shortcut)



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	706,070 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 5.3%	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.


258 218.1%	180 -30.3%	74 -59.0%	379 413.2%	261 -31.1%	133 -48.9%
355 3.7%	<div data-bbox="411 1305 1327 1514" style="border: 1px solid orange; padding: 5px;"> <p>Year: 2016</p> <p>Region: Western Macedonia</p> <p>Skill level: High</p> <p>Code (3rd level of classification): 132</p> <p>Occupation (3rd level of classification): Manufacturing, mining, construction, and distribution managers</p> <p>Persons employed: 258</p> <p>Percentage (%) of change: 218.1%</p> </div>				
0					

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.

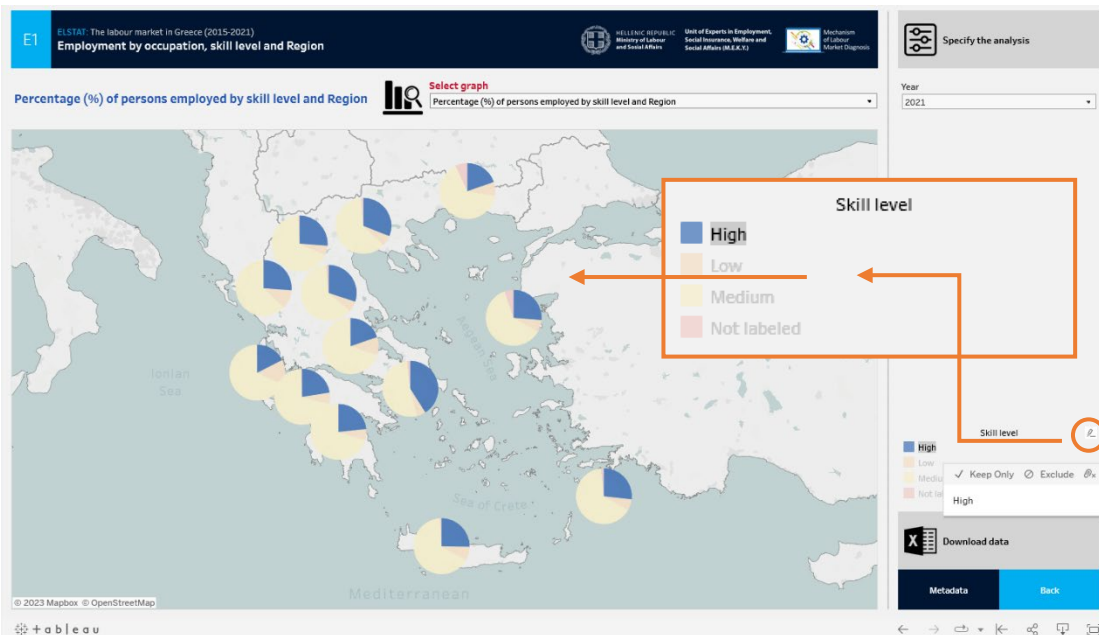


Figure 27. Color chart legend (legend)

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.

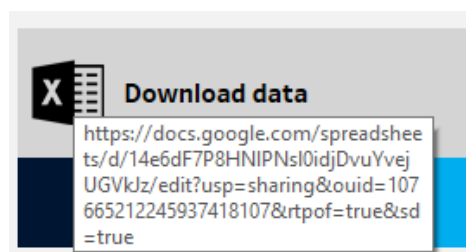


Figure 28. Download Excel file



Metadata

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

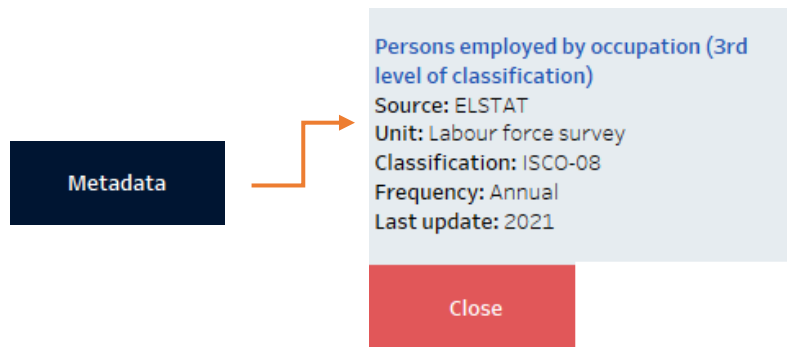


Figure 29. Metadata pop-up menu

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**.

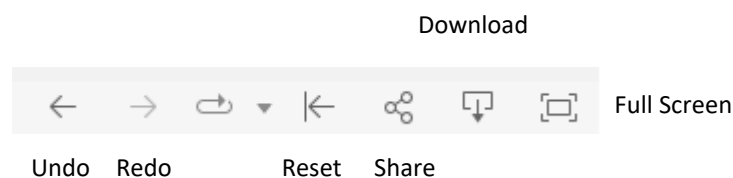


Figure 31. Options bar Tableau



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.

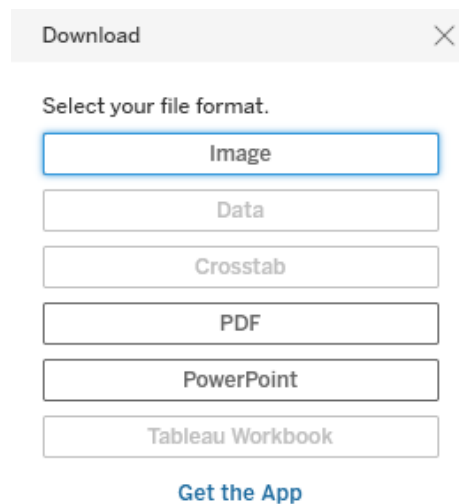


Figure 33. Download pop-up window (Download)



Interactive table overview:

E7. Employment by occupation and occupational status

Link to the dashboard:

<https://mdaae.gr/en/data/h-apascholisi-ana-epangelma-kai-thesi/>

Source: ELSTAT

Persons employed by occupational status

In this dashboard, users can examine the number of persons employed by occupational status for the years 2015-2022, as well as their percentage change per year (tooltip).

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

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



Figure 34. Persons employed by occupational status



Persons employed by year

This dashboard shows the number of persons employed and their percentage change per year (tooltip), from 2015 to 2022.

For the further investigation of the data, users can choose from the filter area in combination: occupational status, skill level, occupation or occupation code at the 1st, 2nd and 3rd level of classification (ISCO-08 Classification), specializing the analysis of the data.

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

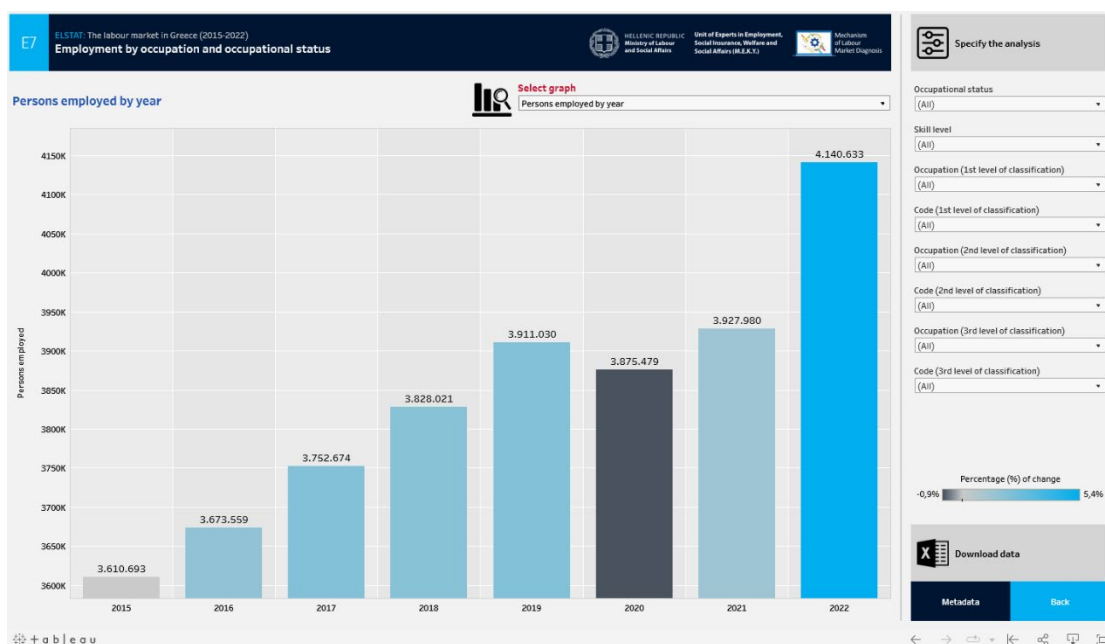


Figure 35. Persons employed by year



Persons employed by occupation (1st level of classification) and occupational status

In this dashboard, the persons employed by occupation are depicted in a single-digit analysis (ISCO-08 Classification) and occupational status for the years 2015-2022, as well as their percentage change per year (tooltip).

In addition, users are given the option to refine the analysis by occupational status and skill level.

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

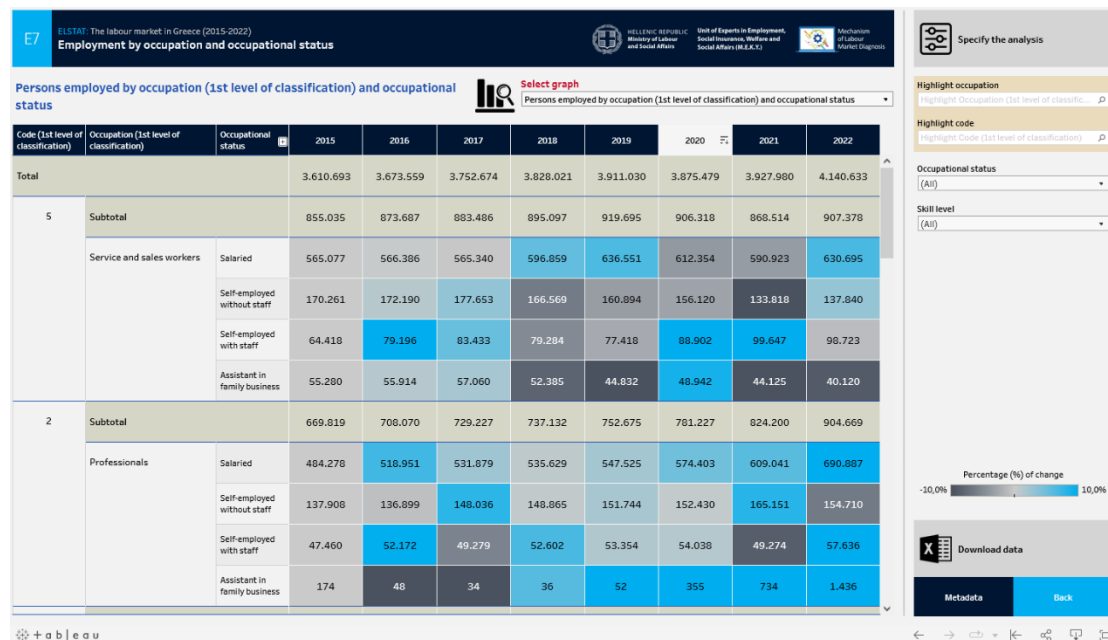


Figure 36. Persons employed by occupation (1st level of classification) and occupational status



Persons employed by occupation (2nd level of classification) and occupational status

In this dashboard, the persons employed by occupation are depicted in a two-digit analysis (ISCO-08 Classification) and occupational status for the years 2015-2022, as well as their percentage change per year (tooltip). In addition, users are given the option to refine the analysis by occupational status, skill level, occupation or code (1st level of classification).

By selecting an occupation or single-digit analysis code from the filter area, the table displays grouped all related occupations at the 2nd level of classification.

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

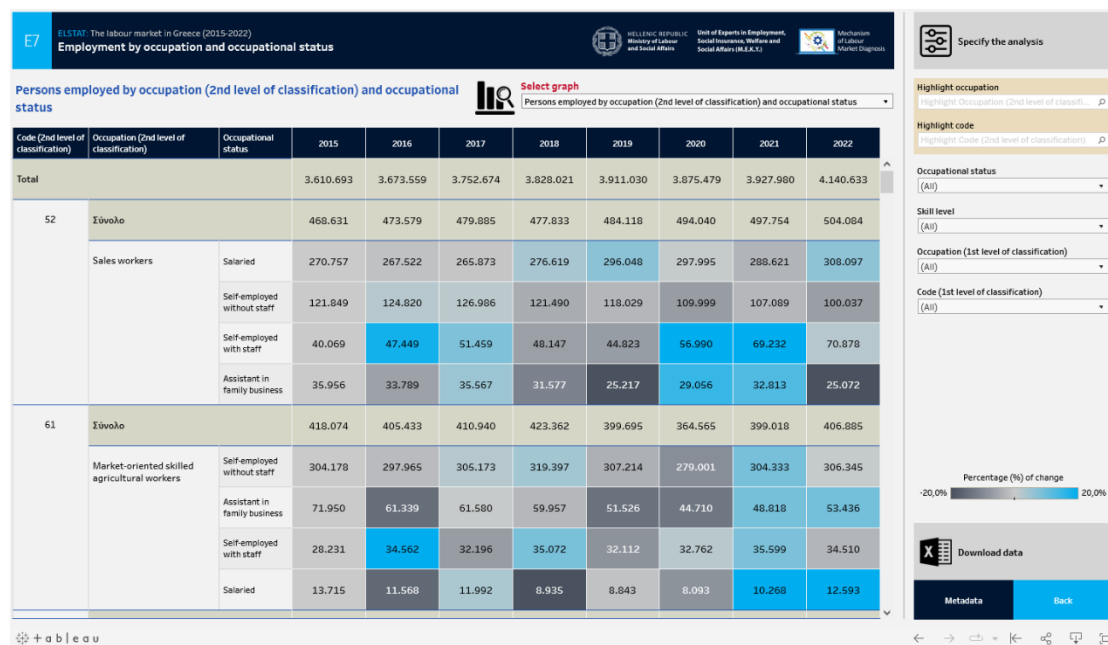


Figure 37. Persons employed by occupation (2nd level of classification) and occupational status



Persons employed by occupation (3rd level of classification) and occupational status

The dashboard in question shows the persons employed by occupation in a three-digit analysis (ISCO-08 Classification) and occupational status for the years 2015-2022, as well as their percentage change per year (tooltip). In addition, users are given the possibility to refine the analysis by occupational status, skill level, occupation or code (1st and 2nd level of classification).

By selecting from the filter area an occupation or a one-digit or two-digit analysis code, the table displays grouped all relevant occupations at the 3rd level of classification.

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

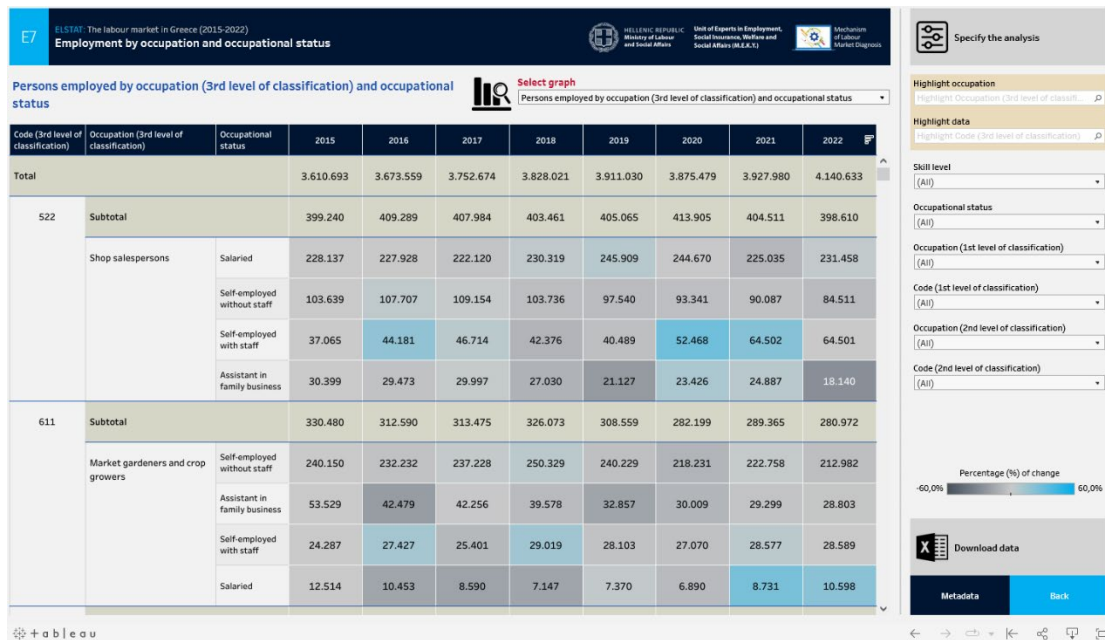


Figure 38. Persons employed by occupation (3rd level of classification) and occupational status



Percentage of persons employed by year and occupational status

In this dashboard, the percentage (%) of persons employed per year (2015-2022) and occupational status is displayed. In addition, users are given the option to refine the analysis by skill level, occupation or occupation code at the 1st, 2nd and 3rd level of classification (ISCO-08 Classification).

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

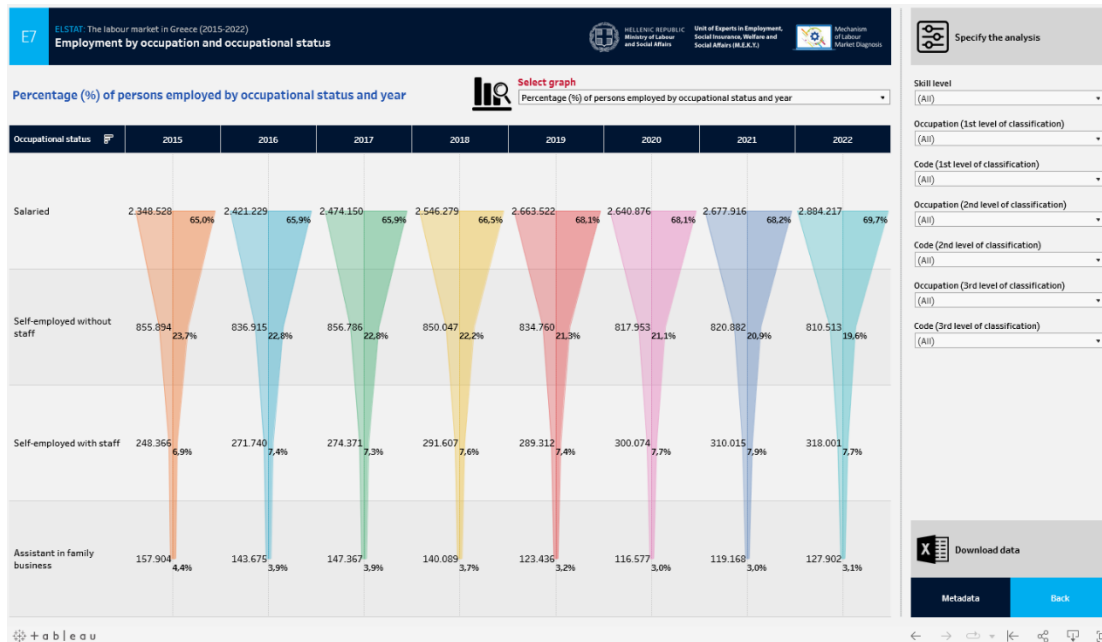


Figure 39. Percentage of persons employed by year and occupational status