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

DYPA: Registered unemployment (2022)

USER GUIDE FOR THE DASHBOARD

Registered unemployed by occupation (3rd level of classification)

EA8

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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.

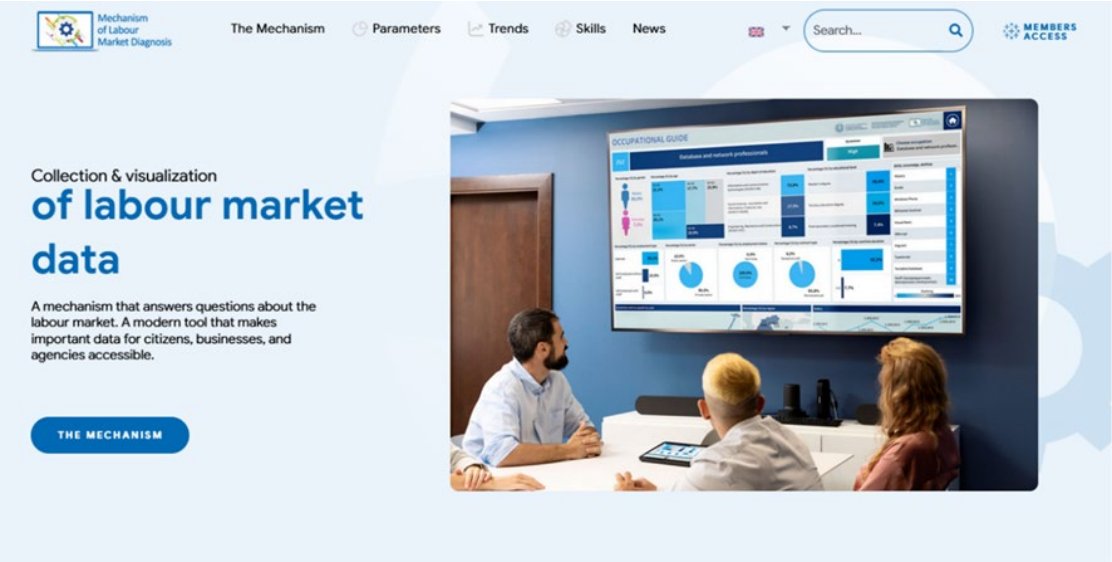


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

The interactive tables created with DYPA data for the registered unemployment (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.

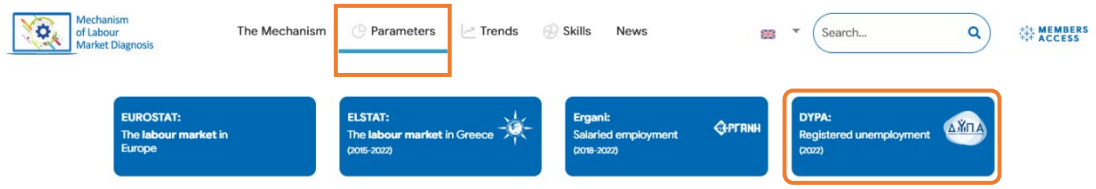


Figure 2. Main options menu

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

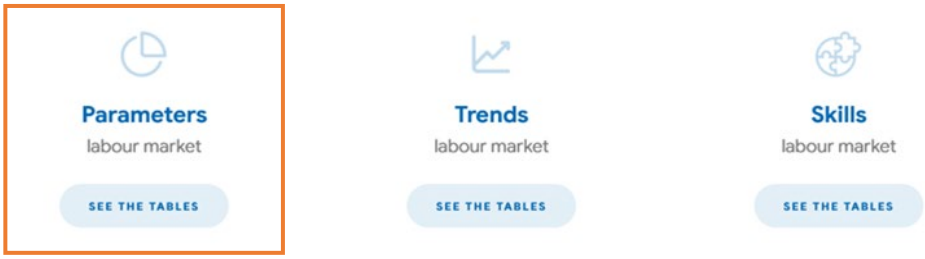


Figure 3. Direct access to a thematic unit from the Home page

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".

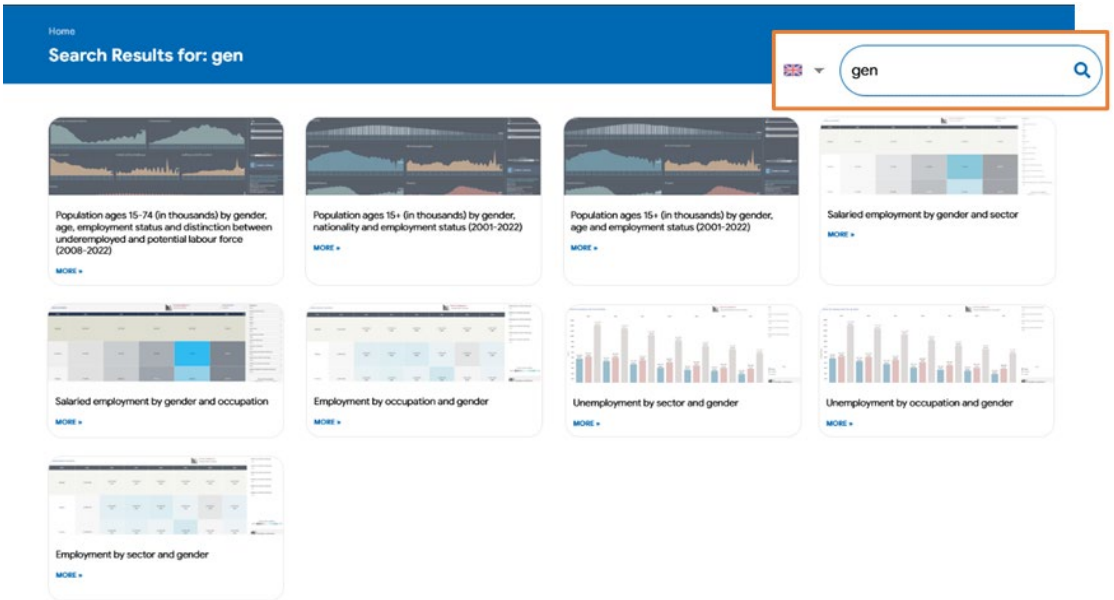


Figure 5. Option to type in the Search field

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 »**

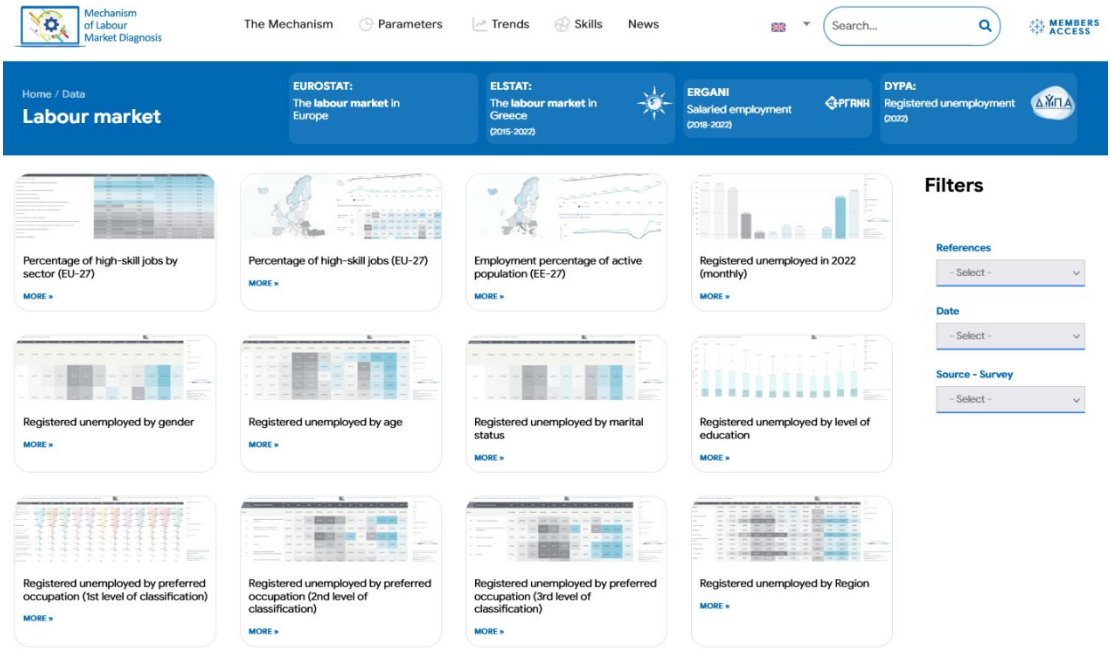


Figure 6. Thematic unit Home page: Contents of all categories

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.

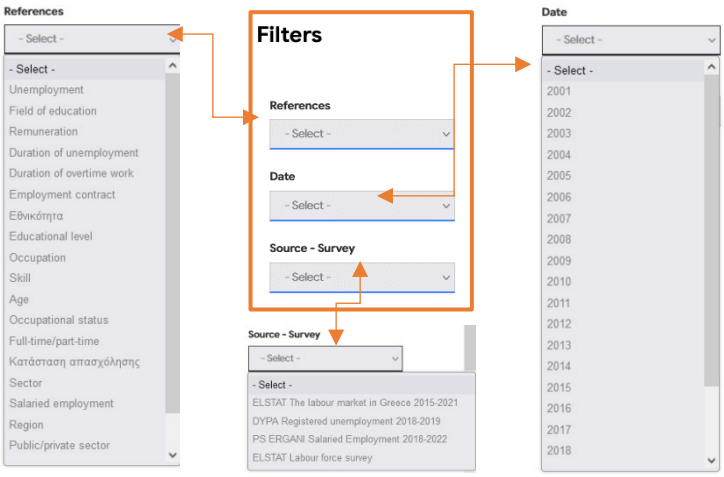


Figure 7. Search filters

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

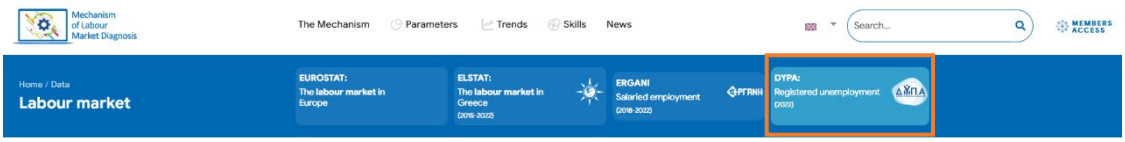


Figure 8. Navigation bar in the categories of the thematic section

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.

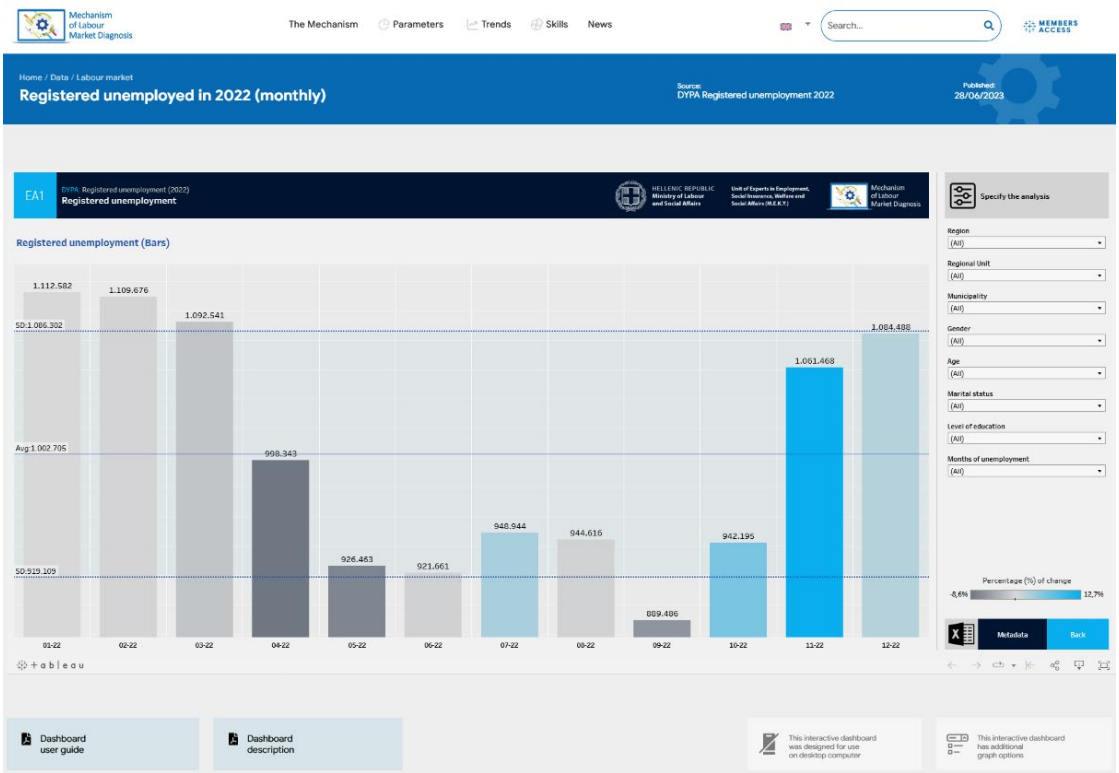


Figure 9. Working environment of Interactive table

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

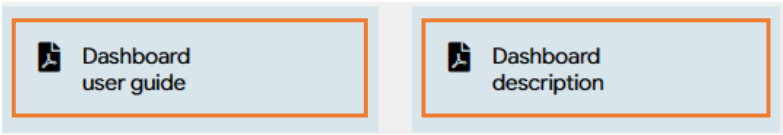


Figure 10. Working environment of Interactive table: User guide and Description of the interactive tables

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

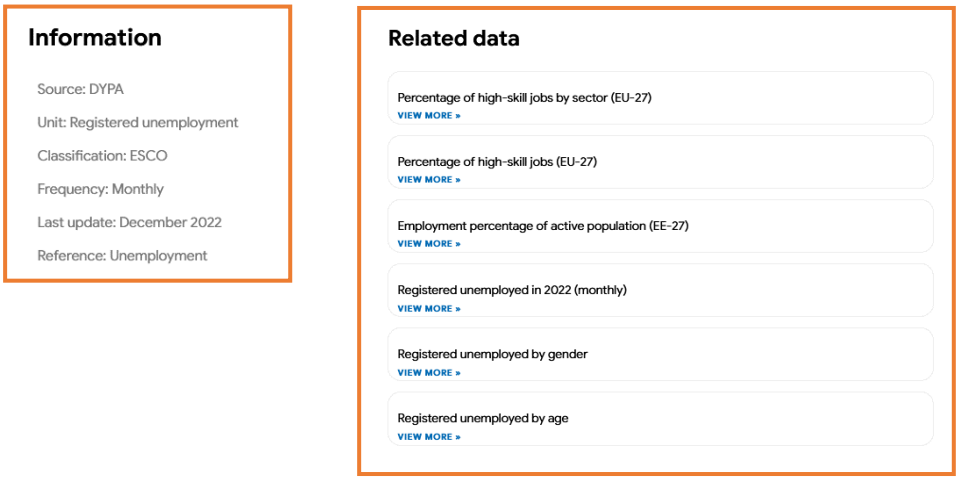


Figure 11. Working environment of Interactive table: Table information and direct access to Related data

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.

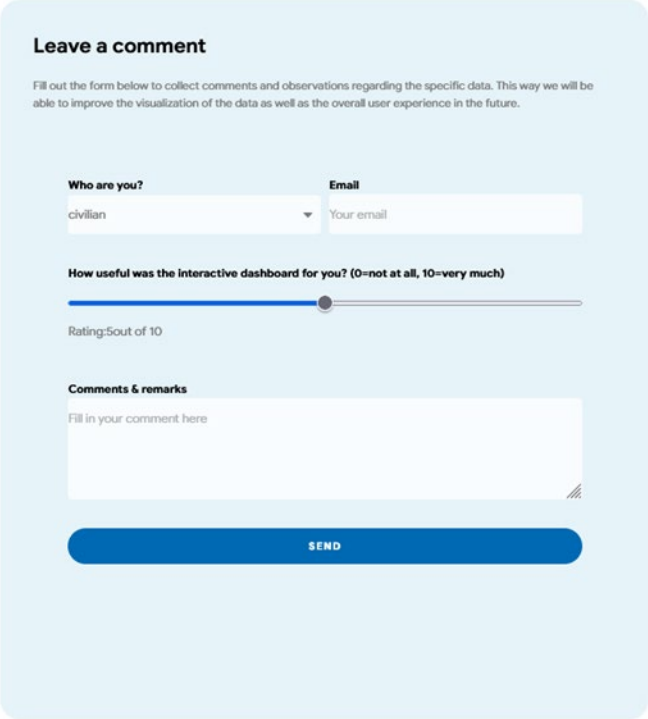


Figure 12. Evaluation and comments form of Interactive tables

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).

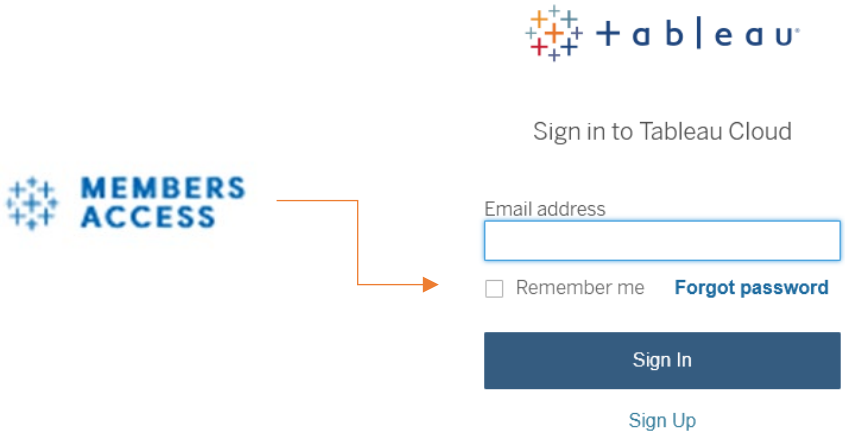


Figure 14. Members access

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

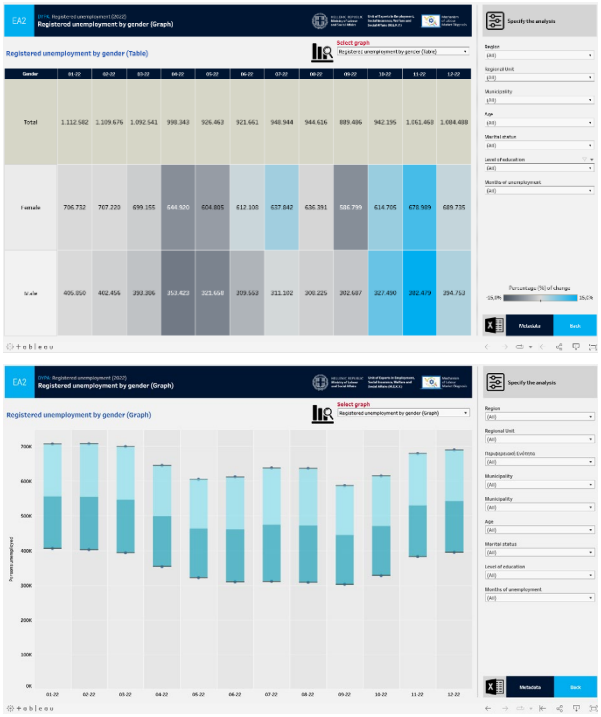


Figure 16. Select graph and other analysis visualizations

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, 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 of Western Macedonia). 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.

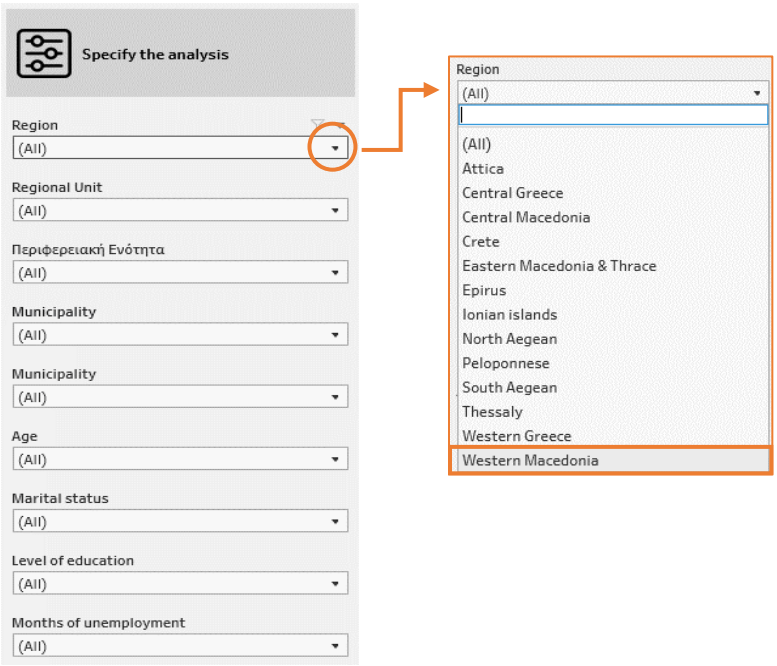


Figure 17. Analysis specialization options (using filters)

The categorization of the fields in the drop-down filter lists is done each time based on the variables the analysis of the chosen graph examines, such as Region, Regional Unit, Municipality, age, gender, marital status, level of education, months of unemployment.

It is possible to combine filter options, so that only the relevant values selected by the user appear in the interactive table. Thus, for example, by selecting the Region of Peloponnese in the filter of the Regional Unit, only the Regional Units belonging to the Region of Peloponnese are now displayed and in the filter of the Municipality the corresponding Municipalities. The user can further refine the analysis, by selecting a specific Regional Unit or Municipality, combining the variables that interest him (age, gender, marital status, etc.).

Thus, by selecting, for example, the *Municipality of Epidaurus*, gender *Women*, age *35-44*, marital status *Married,* then automatically the Regional Unit becomes *Argolida*, the Region becomes *Peloponnese* and the interactive table displays the corresponding values.

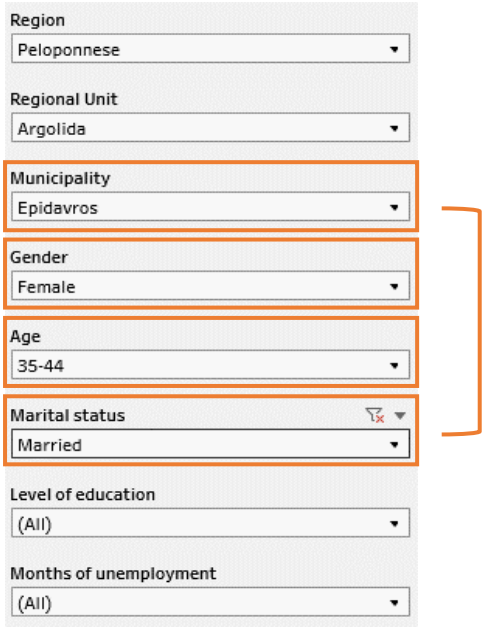


Figure 18. Combined use of filters

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.

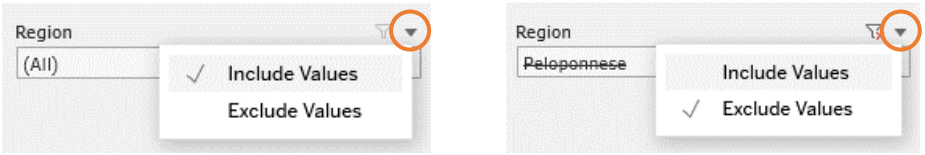


Figure 19. Option to include or exclude filter values

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.

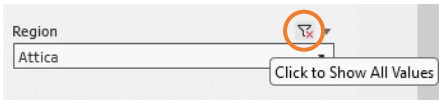


Figure 20. Reset filters to their original state

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.

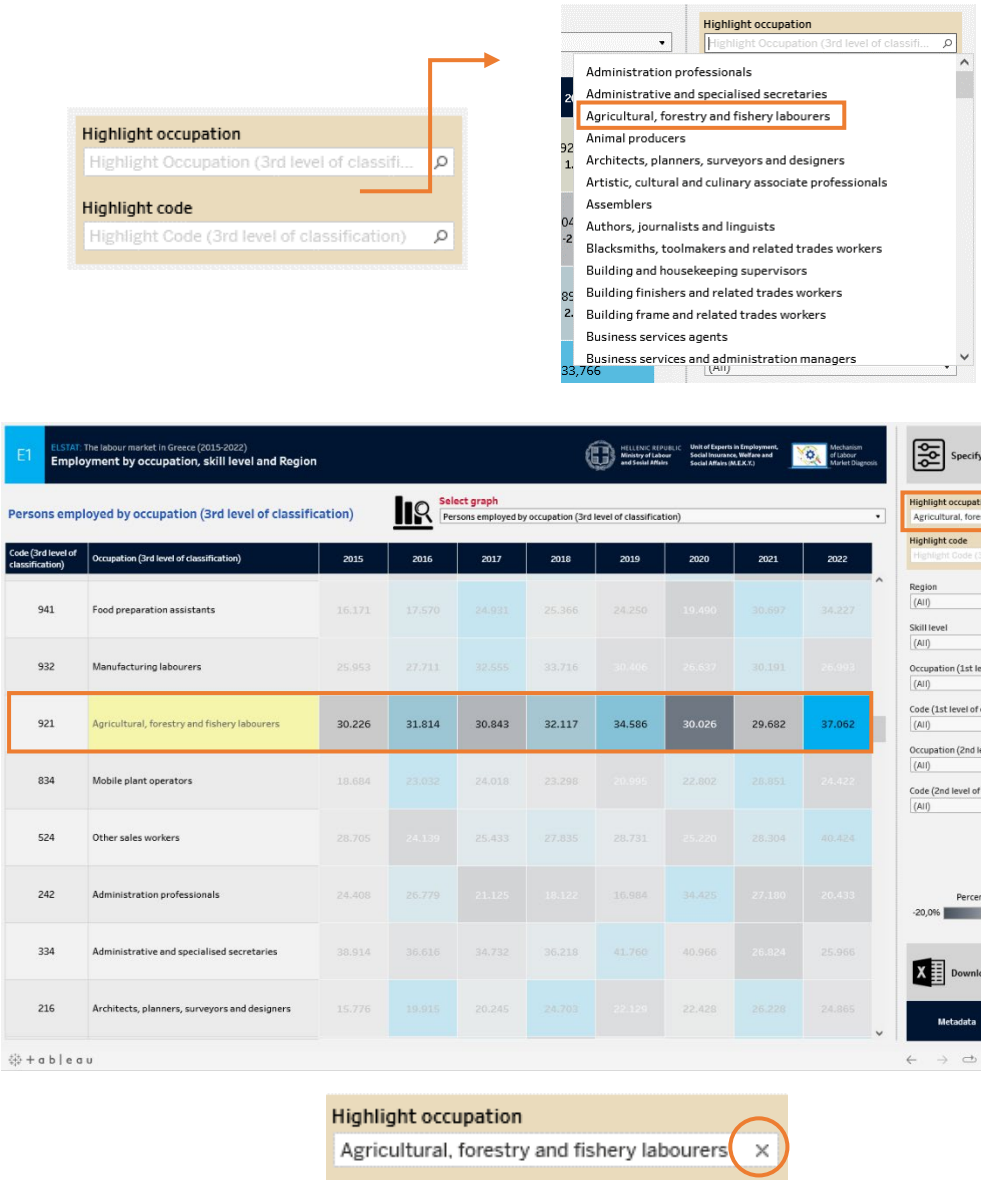


Figure 21. Highlight field

Main functions of interactive tables

Classification of data

The data in the presented tables are sorted by the most recent reporting month, displaying values in descending order. However, the user can change the sort order to ascending order, select a different reference month, sort the data alphabetically or in the order of the source file. In addition, clicking once on the left side of the month can display the prices per quarter or clicking a second time the total prices of the year. The symbol follows a reverse course.

Figure 22. 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.

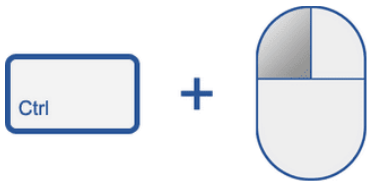


Figure 23. Option to multi-select data (Shortcut)

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.

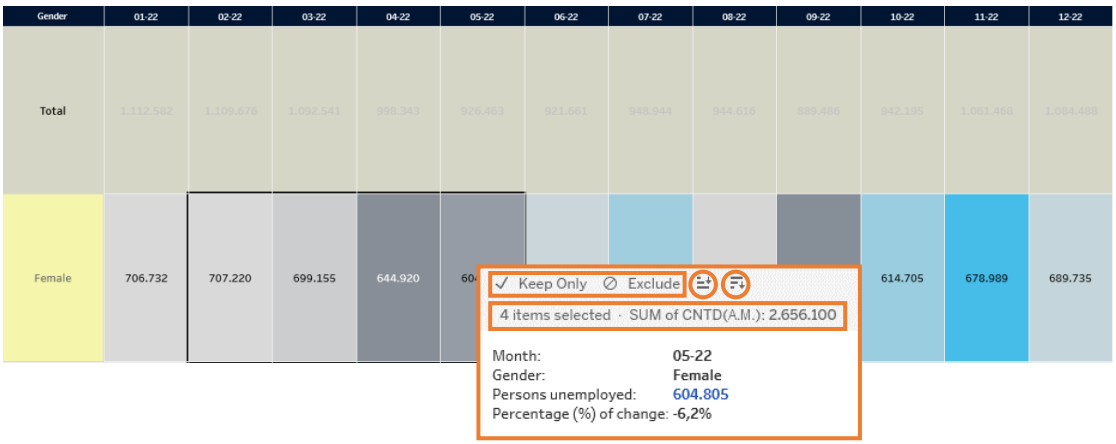


Figure 24. Pop up bar of options

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.

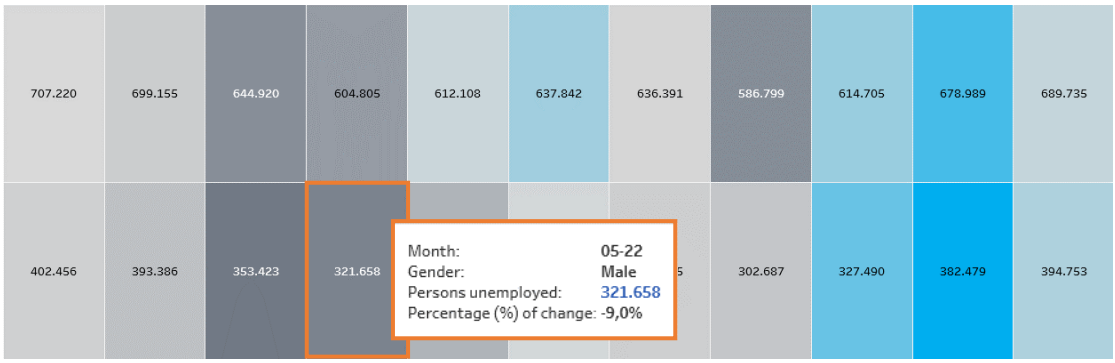


Figure 25. Tooltip

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.

Gender	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22
Total	1.112.582	1.109.676	1.092.541	998.343	926.463	921.661	948.944	944.616	889.486	942.195	1.061.468	1.084.488
Female	706.732	707.220	699.155	644.920	604.805	612.108	637.842	636.391	586.799	614.705	678.989	689.735
Male	405.850	402.456	393.386	353.423	321.658	309.553	311.102	308.225	302.687	327.490	382.479	394.753

Figure 26. 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.

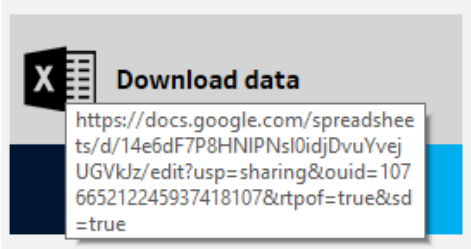


Figure 27. Download Excel file

Metadata

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

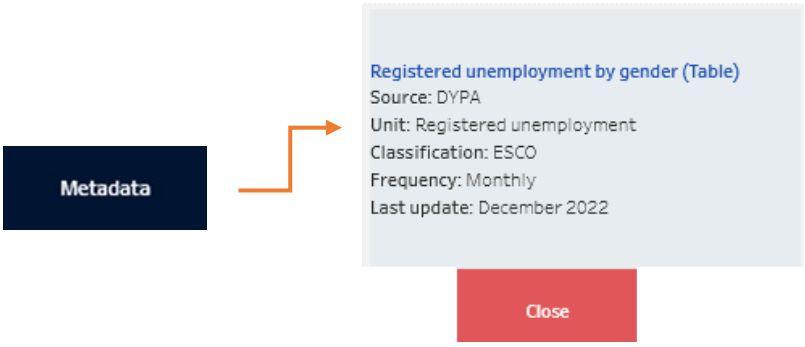
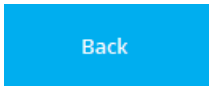


Figure 28. Metadata pop-up menu

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 29. 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**.

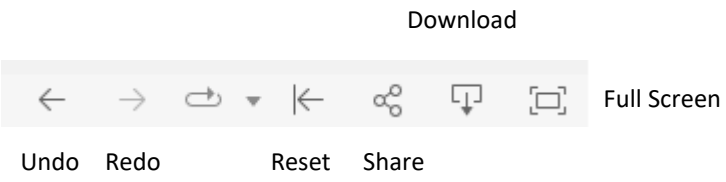


Figure 30. Options bar Tableau

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 31. 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.

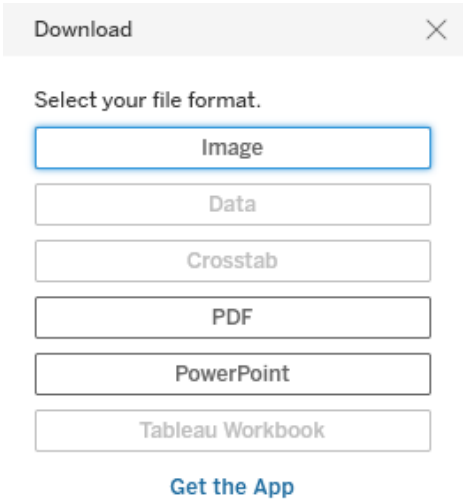


Figure 32. Download pop-up window (Download)

Interactive table otherview:
EA8. Registered unemployed by occupation (3rd level of classification)

Dashboard link:
https://mdaae.gr/data/engegrammenoi-anergoi-ana-epangelma-pros-anazitisi-3o-epipedo-analysis/

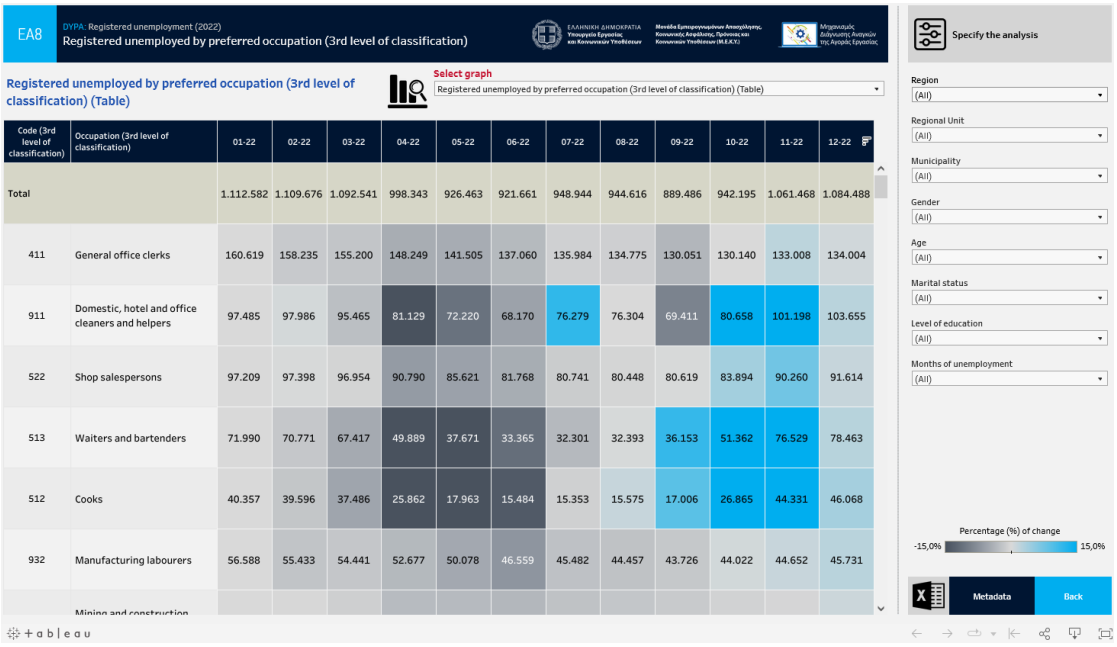
Source: DYPA

Registered unemployed by occupation (3rd level of classification) (Table)

This dashboard shows the number of registered unemployed by occupation (3rd level of classification, ESCO Classification) and month for the year 2022 and their percentage change per month (tooltip).

For further data analysis, users may select a combination of filters area: Region, Regional Unit, Municipality, gender, age, level of education, marital status and months of unemployment by specializing the analysis of the data.

In the central part of the interactive dashboard, the registered unemployed are displayed in Table form, while in the legend on the right, below the filters, the color gradient of the percentage change of the registered unemployed is displayed.



Code (3rd level of classification)	Occupation (3rd level of classification)	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22
Total		1.112.582	1.109.676	1.092.541	998.343	926.463	921.661	948.944	944.616	889.486	942.195	1.061.468	1.084.488
411	General office clerks	160.619	158.235	155.200	148.249	141.505	137.060	135.984	134.775	130.051	130.140	133.008	134.004
911	Domestic, hotel and office cleaners and helpers	97.485	97.986	95.465	81.129	72.220	68.170	76.279	76.304	69.411	80.658	101.198	103.655
522	Shop salespersons	97.209	97.398	96.954	90.790	85.621	81.768	80.741	80.448	80.619	83.894	90.260	91.614
513	Waiters and bartenders	71.990	70.771	67.417	49.889	37.671	33.365	32.301	32.393	36.153	51.362	76.529	78.463
512	Cooks	40.357	39.596	37.486	25.862	17.963	15.484	15.353	15.575	17.006	26.865	44.331	46.068
932	Manufacturing labourers	56.588	55.433	54.441	52.677	50.078	46.559	45.482	44.457	43.726	44.022	44.652	45.731

Figure 33. Registered unemployed by occupation (3rd level of classification) (Table)

Registered unemployed by occupation (3rd level of classification) (Graph)

In this dashboard, the data are presented in the form of a box and whisker plot and users can examine the number of registered unemployed by occupation to be searched (3rd level of analysis, ESCO Classification) and month for the year 2022 and their percentage change per month (tooltip).

In addition, they can specialize the analysis by selecting a combination of filters area: Region, Regional Unit, Municipality, gender, age, marital status, level of education and months of unemployment.

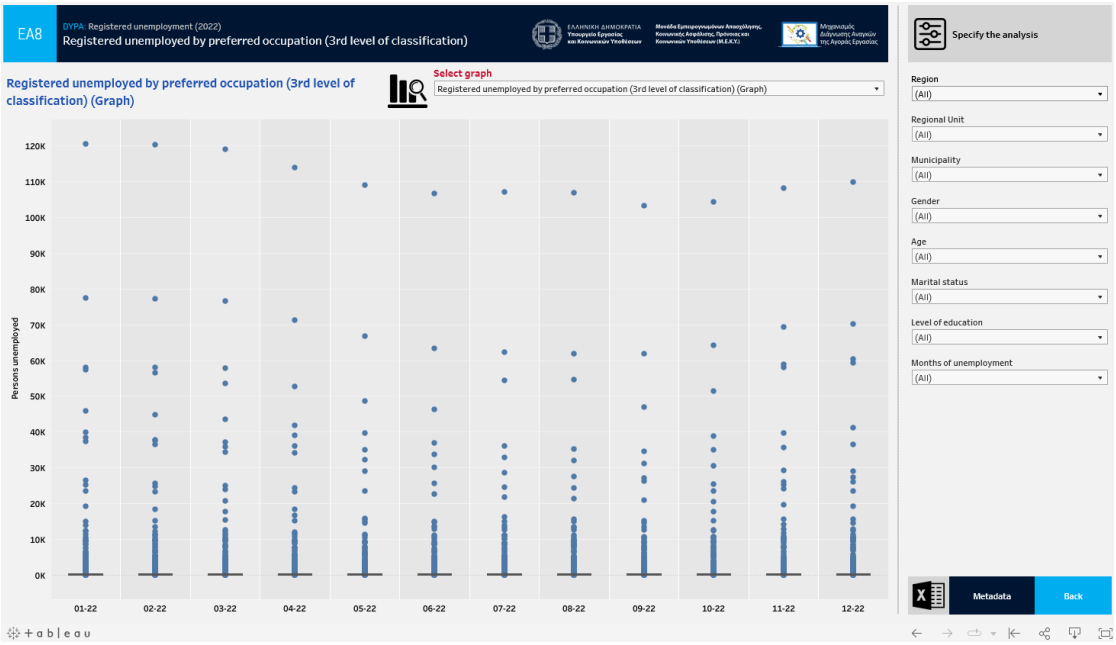
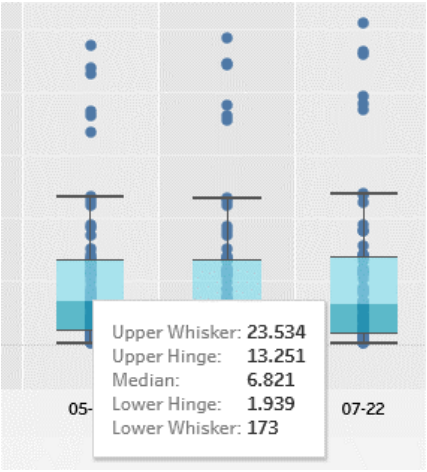


Figure 34. Registered unemployed by occupation (3rd level of classification) (Graph)



A box and whisker plot provides concise high-level information at a glance, offering general information about the distribution, variance, and outliers of a data group. It's easy to see where the bulk of the data is and make this comparison between different groups.

The boundaries (Hinges) of the frame (Q1 and Q3) indicate the range of the center 50% of the data, with a center line (Q2) indicating the median (Median). Lines extend outside each frame to capture the range of other data, with dots placed beyond the edges of the line to indicate outliers.

Figure 35. Box and whisker plot

The lines that extend outside the frame (Whiskers) correspond to the lowest and highest data values. The Lower Whisker covers all data values from the minimum value to Q1, i.e. the lowest 25% of the data values, and the Upper Whisker covers all data values between Q3 and the maximum value, i.e. the highest 25% of the data values.