



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 marital status**

EA4



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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.

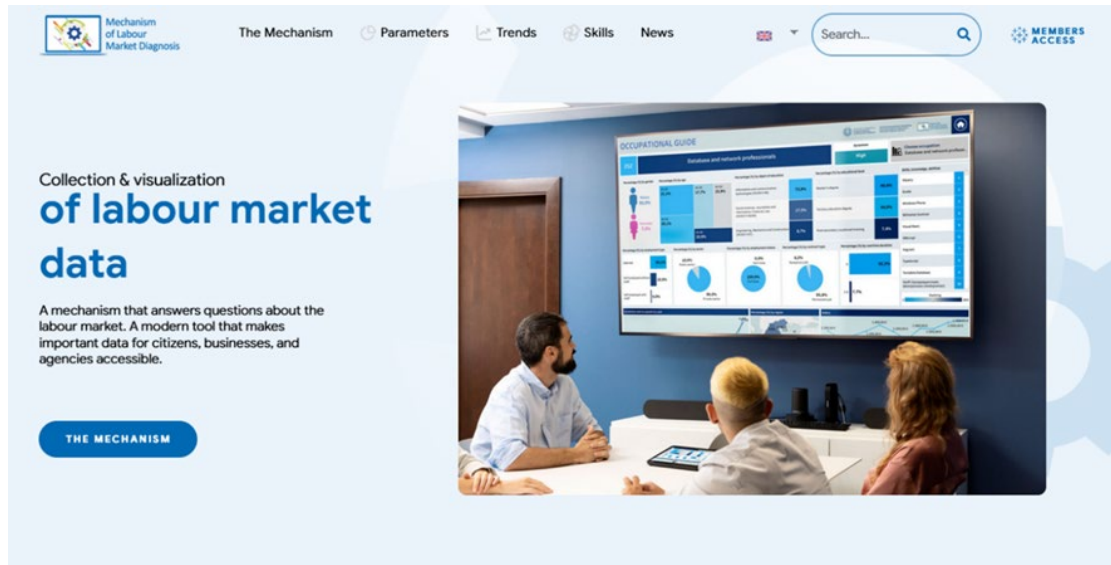


Figure 1. Home Page of Mechanism of Labour Market Diagnosis

The interactive tables created with 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.

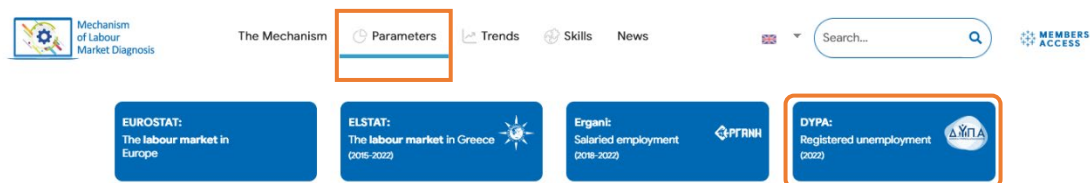


Figure 2. Main options menu

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

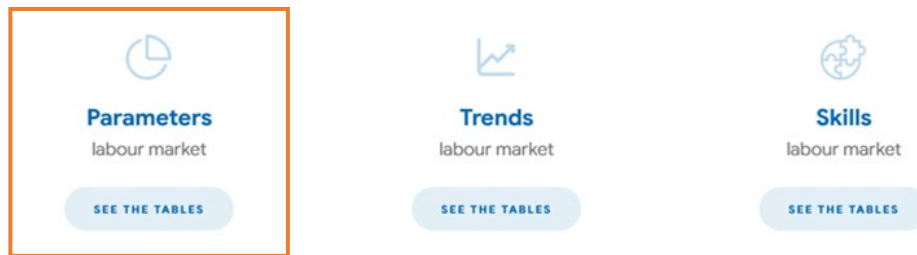


Figure 3. Direct access to a thematic unit from the Home page

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".

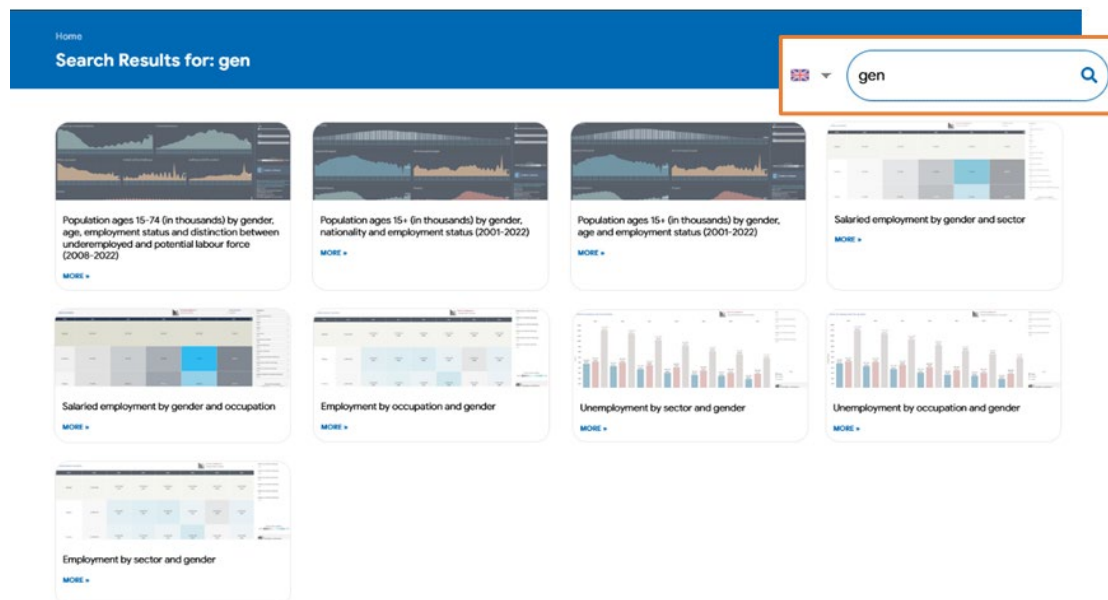


Figure 5. Option to type in the Search field



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 >**

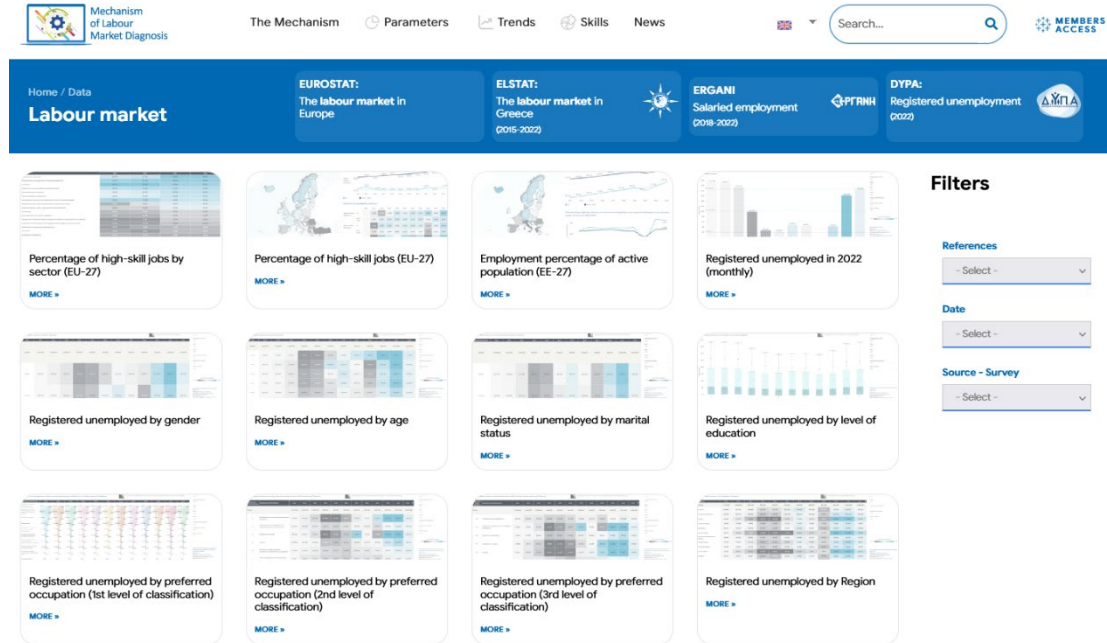


Figure 6. Thematic unit Home page: Contents of all categories

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.

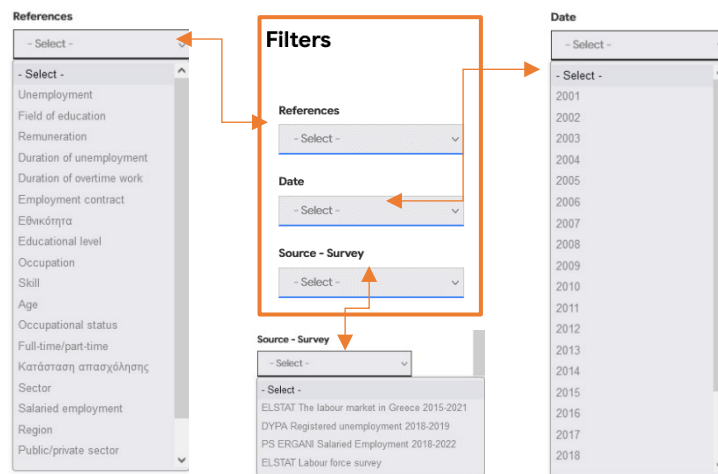


Figure 7. Search filters



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

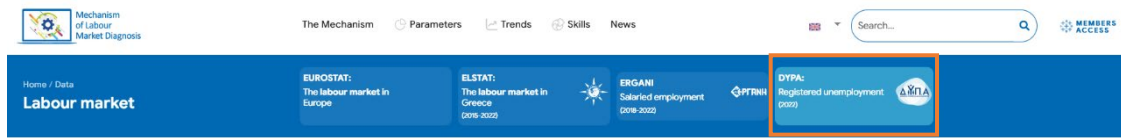


Figure 8. Navigation bar in the categories of the thematic section

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.

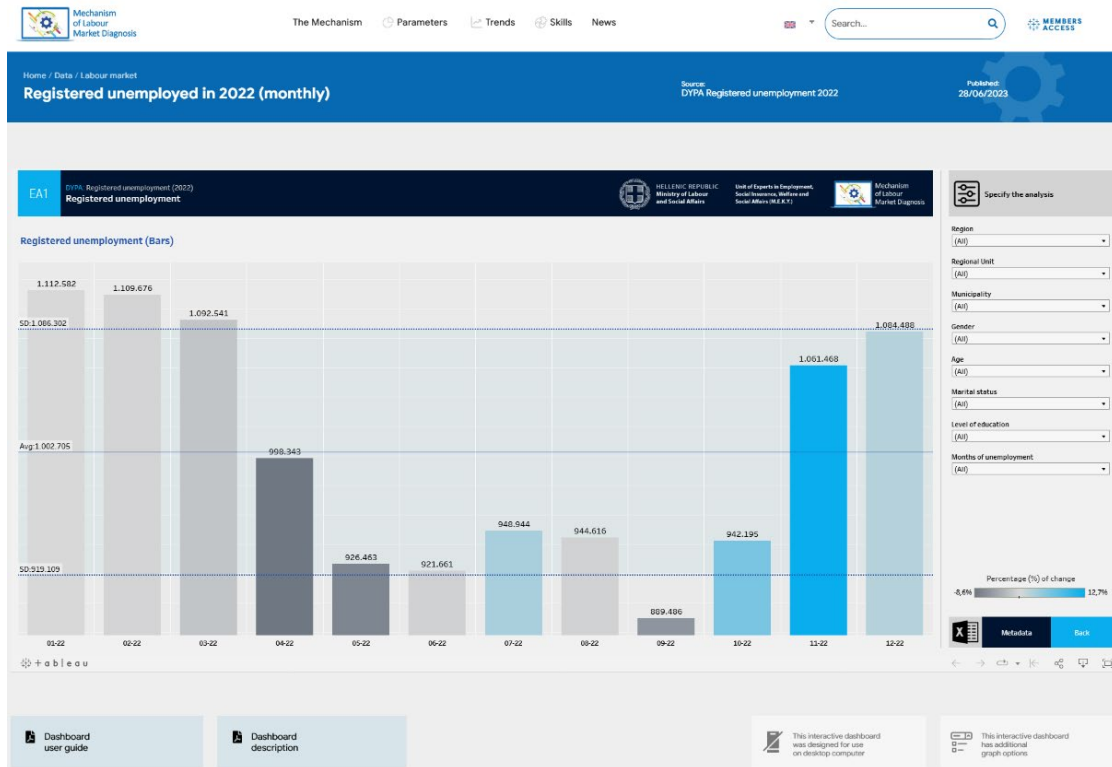


Figure 9. Working environment of Interactive table



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.

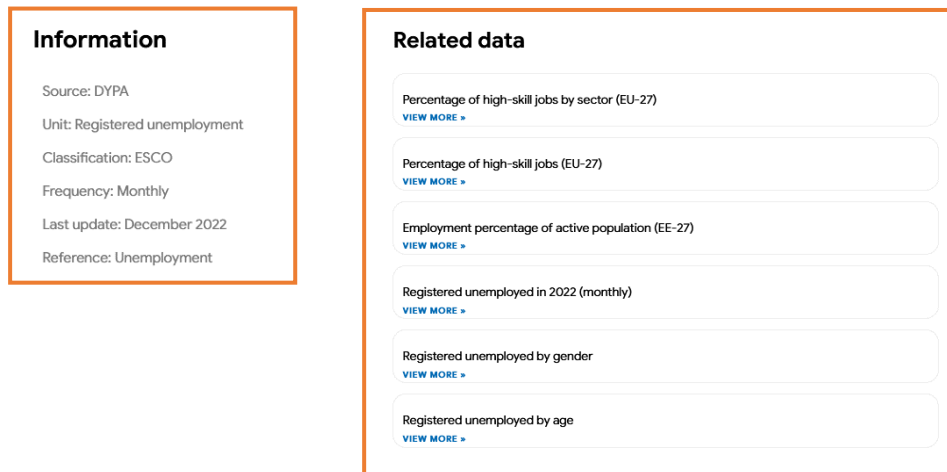


Figure 11. Working environment of Interactive table: Table information and direct access to Related data

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.



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? **Email**

civilian 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 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).

The image shows a sign-in interface for Tableau Cloud. At the top right is the Tableau logo. Below it, the text 'Sign in to Tableau Cloud' is displayed. On the left side, there is a blue icon consisting of a grid of plus signs, with the text 'MEMBERS ACCESS' next to it. An orange arrow points from this icon to the sign-in form. The form includes an 'Email address' input field, a checkbox for 'Remember me', and a link for 'Forgot password'. Below the form is a dark blue 'Sign In' button and a 'Sign Up' link.

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

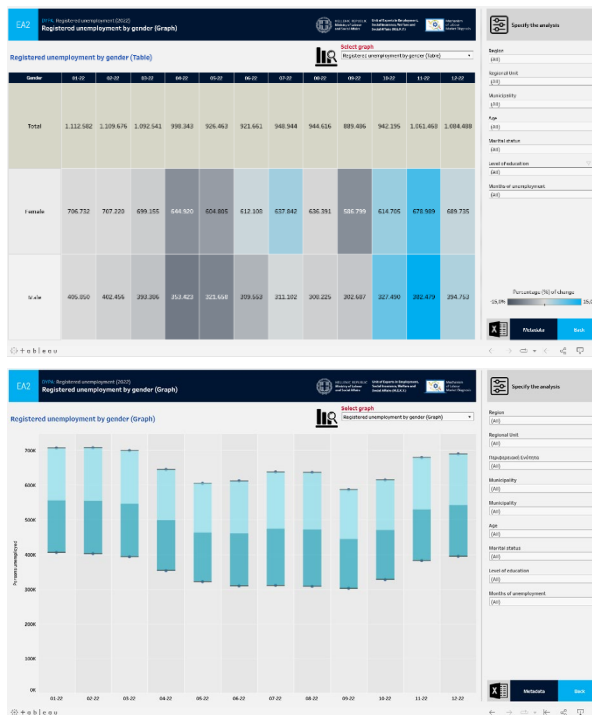


Figure 16. Select graph and other analysis visualizations



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.

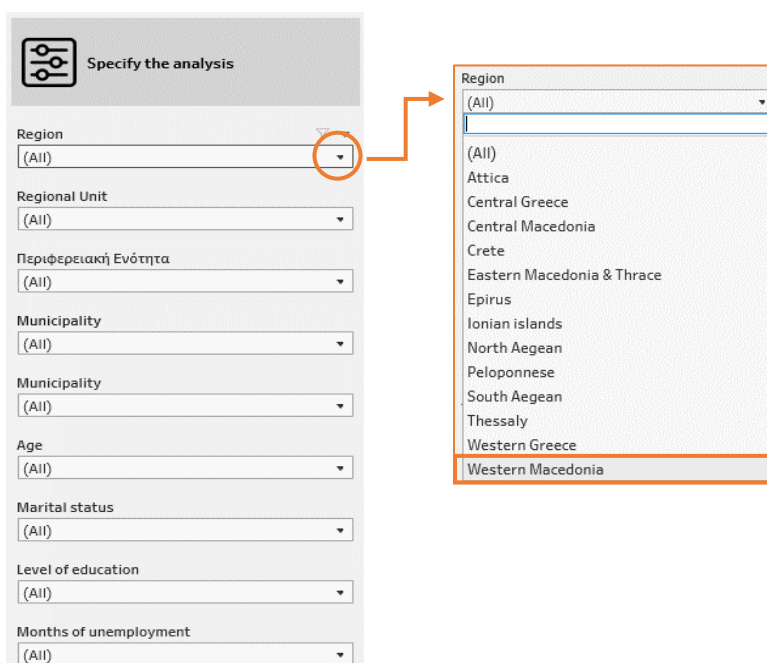


Figure 17. Analysis specialization options (using filters)

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.



Region
Peloponnese

Regional Unit
Argolida

Municipality
Epidavros

Gender
Female

Age
35-44

Marital status
Married

Level of education
(All)

Months of unemployment
(All)

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.

Highlight occupation

Highlight Occupation (3rd level of classification)

Highlight code

Highlight Code (3rd level of classification)

Highlight occupation

Agricultural, forestry and fishery labourers

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

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	25.966
216	Architects, planners, surveyors and designers	15.776	19.915	20.245	24.703	22.129	22.426	26.228	24.985

Highlight occupation

Agricultural, forestry and fishery labourers

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.

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

2022 T1 2022 T2 2022 T3 2022 T4

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.

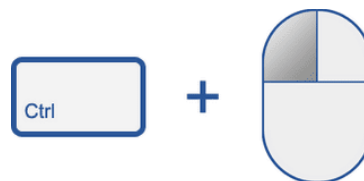


Figure 23. Option to multi-select data (Shortcut)



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.

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	1.132.582	1.109.676	1.092.541	998.343	926.463	921.661	948.944	944.616	880.486	942.195	1.061.468	1.094.488
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

Keep Only Exclude

4 items selected · SUM of CNTD(A.M.): 2.656.100

Month: 05-22
Gender: Female
Persons unemployed: 604.805
Percentage (%) of change: -6,2%

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.

707.220	699.155	644.920	604.805	612.108	637.842	636.391	586.799	614.705	678.989	689.735
402.456	393.386	353.423	321.658	302.687	327.490	382.479	394.735			

Month: 05-22
Gender: Male
Persons unemployed: 321.658
Percentage (%) of change: -9,0%

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.



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.

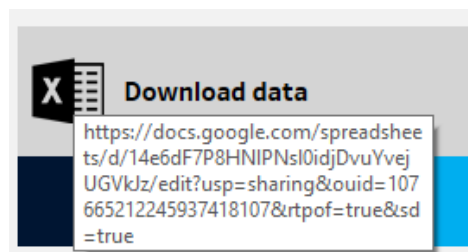


Figure 27. Download Excel file



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**.

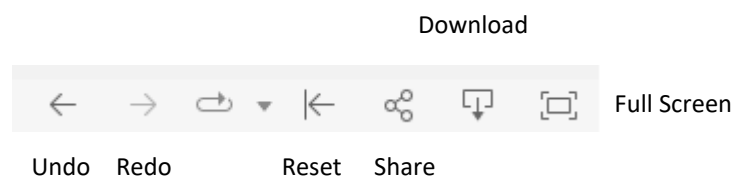


Figure 30. Options bar Tableau



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.

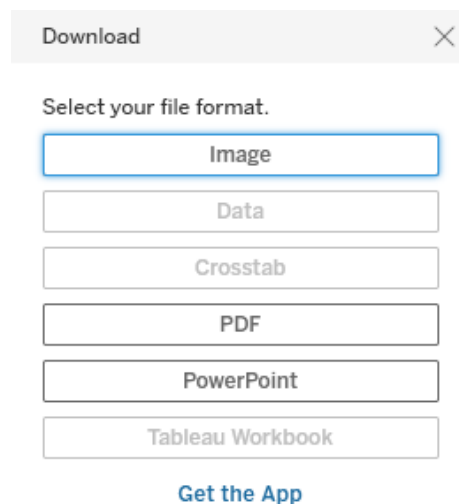


Figure 32. Download pop-up window (Download)



Interactive table overview: EA4. Registered unemployed by marital status

Dashboard link:

<https://mdaae.gr/en/data/engegrammenoi-anergoi-ana-oikogeneiaki-katastasi/>

Source: DYP A

Registered unemployed by marital status (Table)

This dashboard shows the number of registered unemployed by marital status and month for the year 2022 and their percentage change per month (tooltip).

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

In the central part of the interactive whiteboard, 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.



Figure 33. Registered unemployed by marital status (Table)



Registered unemployed by marital status (Graph)

In this dashboard, the data is presented in the form of a box and whisker plot and users can examine the number of registered unemployed by marital status and month for the year 2022 and their percentage change per month (tooltip).

In addition, they can specialize the analysis by selecting in combination from the filter area: Region, Regional Unit, Municipality, gender, age, level of education and months of unemployment.

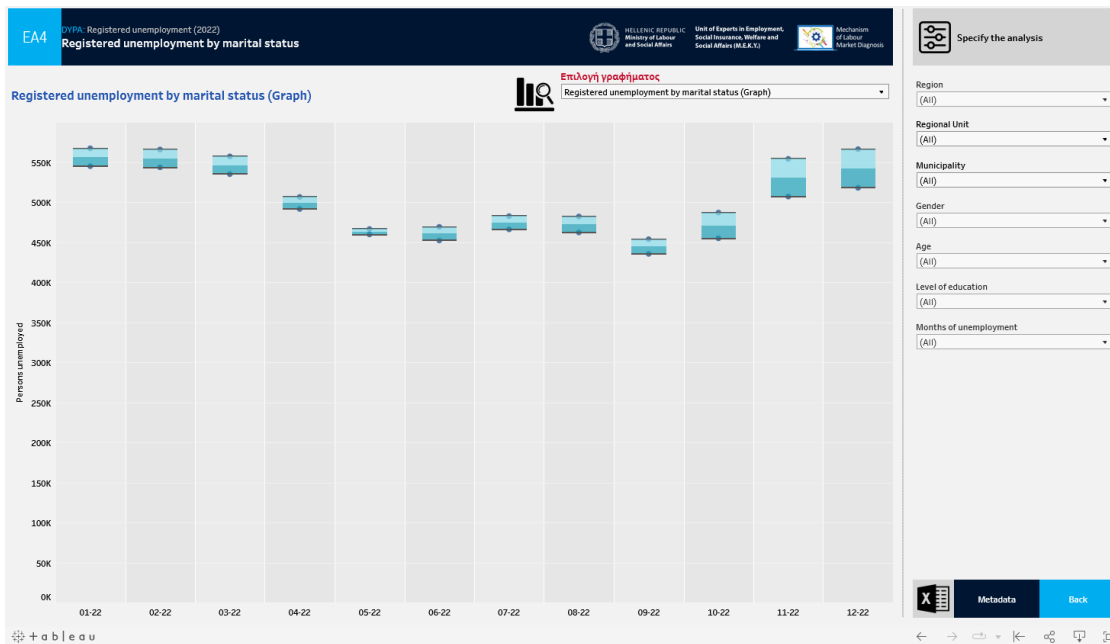


Figure 34. Registered unemployed by marital status (Graph)



Figure 35. Box and whisker plot

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.



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.