Interactive Data Dissemination Service

– Usage Guide –

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Census and Statistics Department

Hong Kong Special Administrative Region

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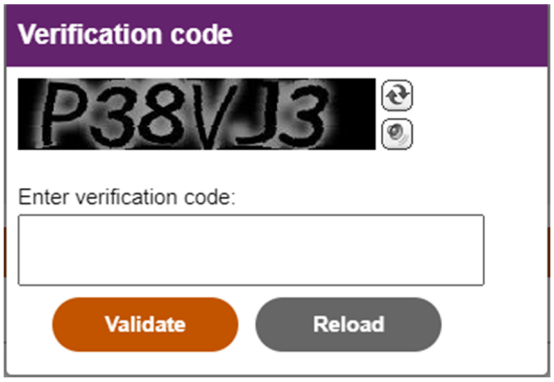
1 Introduction

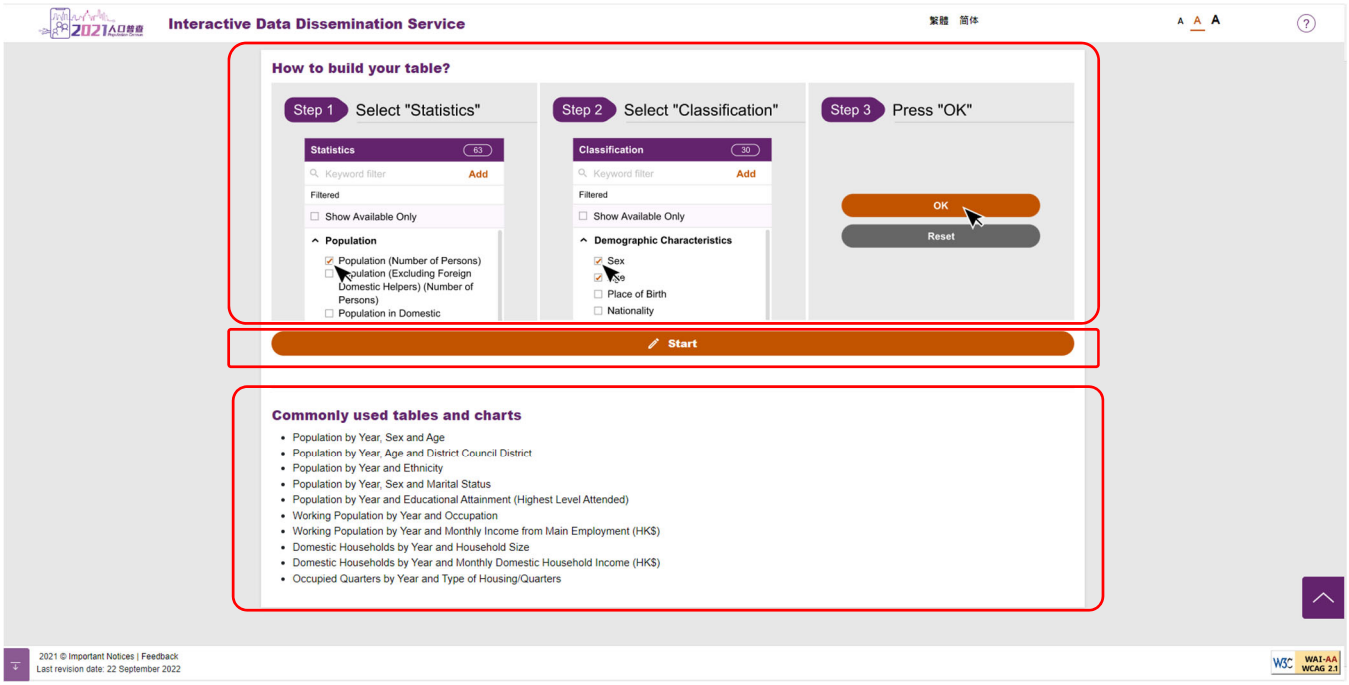
The Interactive Data Dissemination Service (IDDS) is a free online service enabling data users to build statistical tables and charts in accordance with their own specifications through an intuitive, interactive and user-friendly interface. Users can simply build statistical tables or charts in three simple steps. The IDDS can be used via desktop computers or mobile devices, and the steps are essentially the same. The IDDS is best viewed on a desktop due to large volume of statistical data displayed on the screen. The content of this usage guide is based on interface of desktop computers.

2 Enter the system

For security reason, users should enter the verification code when entering the IDDS system.



You will see the homepage with an illustration of "How to build your table?", a "Start" button and a list of "Commonly used tables and charts".



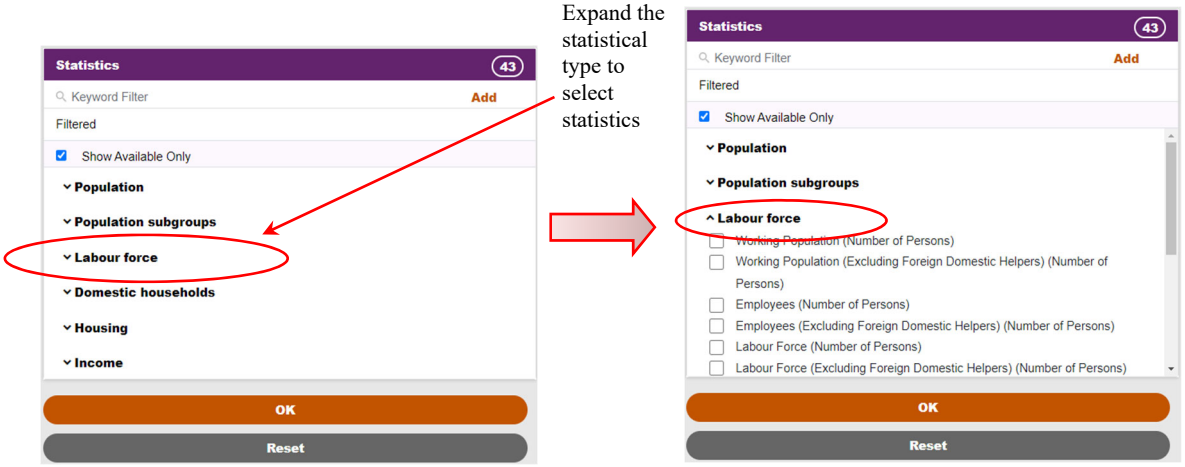
You can start by clicking "Start" or selecting one table or chart from the list of "Commonly used tables and charts". If you select a commonly used table / chart, you will be provided with the table / chart readily and you can continue to modify the table / chart. The next section illustrates how to build a table by clicking "Start".

3 Build a statistical table

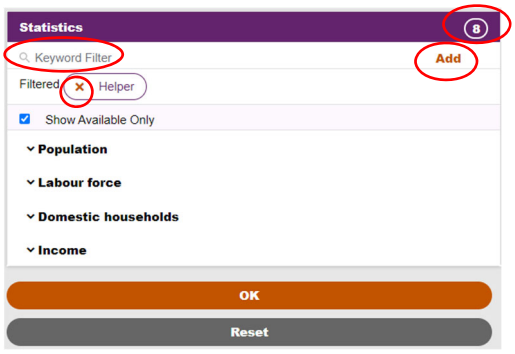
After clicking "Start" on the homepage, the main page will appear on the left. It contains the "Statistics" panel, "Classification" panel (appears after selecting statistics from "Statistics" panel) and the "OK" and "Reset" buttons.

3.1 Select statistics

- The list of statistical type is shown in the "Statistics" panel.
- Expand the statistical type (e.g. "Labour Force") by clicking it. You can collapse it by clicking it again.
- Select the required statistics from the expanded type.



- You may select multiple statistics from various types.
- Some statistics (or classifications) may become unavailable after selecting other statistics (or other classifications). By default, the system shows the available statistics only. You may view unavailable ones by unticking "Show Available Only".
- You can make use of keyword filter when needed. To do so, enter a keyword (e.g. "Helper") and click "Add". Up to three keywords can be added. To remove a keyword, click "X" next to it.

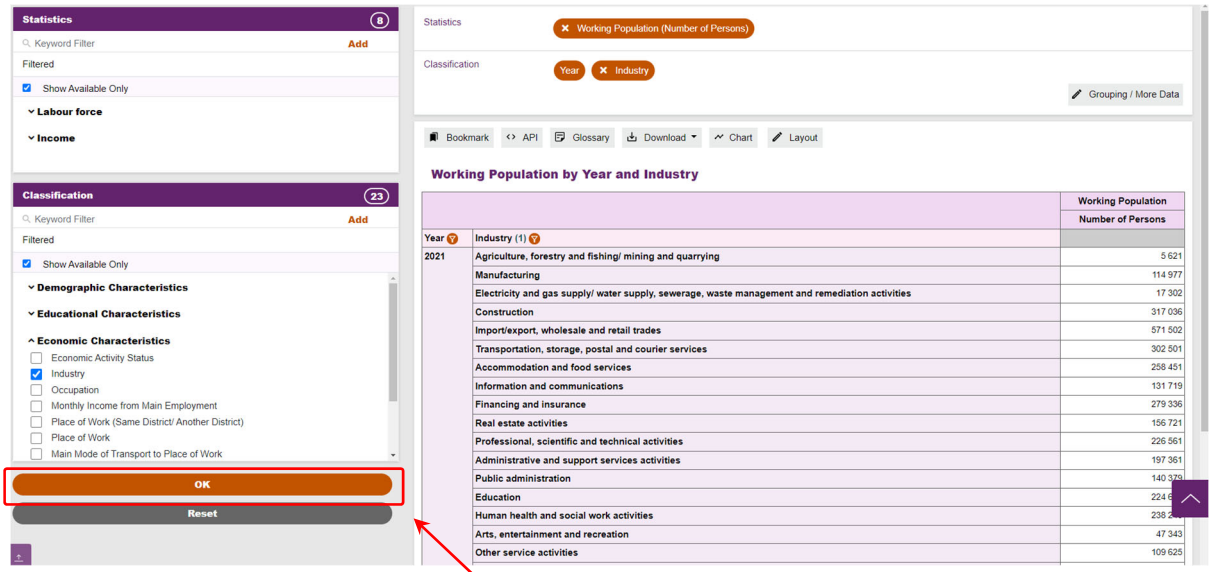


3.2 Select classifications

- After selecting statistics, the "Classification" panel will appear. The steps of selecting classifications are the same as those for selecting statistics. For details, please refer to Section 3.1.
- You can also opt not to select any classifications. In this case, you can click "OK" to obtain the table. For details, please refer to Section 3.3.

3.3 Press "OK" to obtain the table

- After selecting "Statistics" and "Classification", click "OK".
- The table will be displayed in default settings. To see how to modify the tables, please refer to Section 4.



Click "OK" to build the table

4 Modify statistical tables

You can modify the statistical table by:

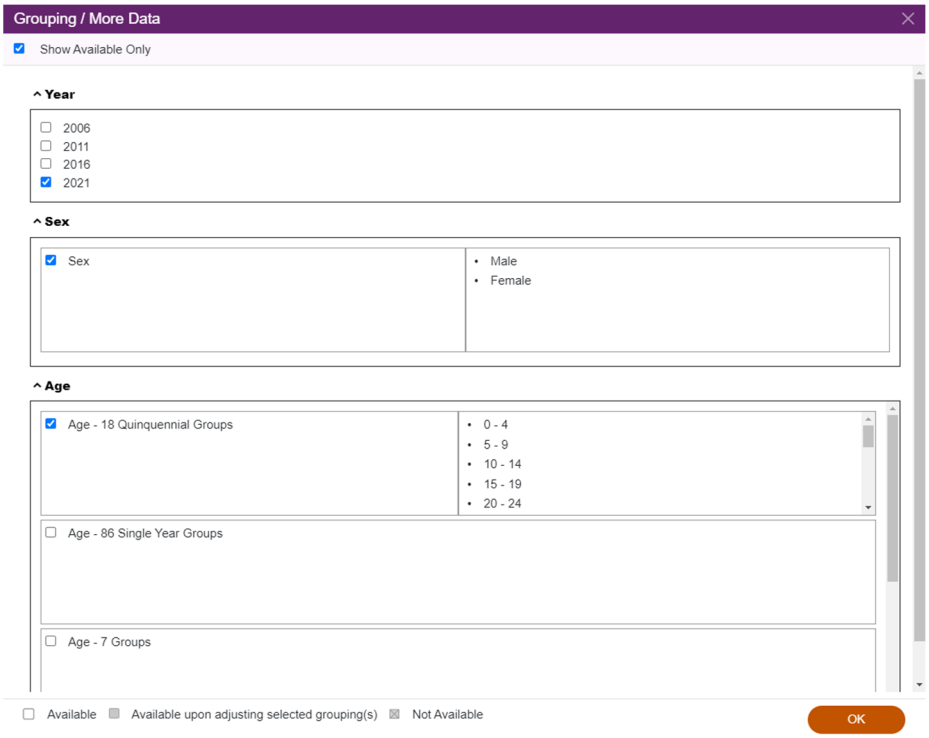
- adding / dropping statistics / classifications
- changing years and classification groupings
- filtering classification items
- modifying table layout

4.1 Add / Drop statistics / classifications

- You may add / drop statistics / classifications using the main page. Alternatively, you can drop them from the panel above the table.
- Your modification will be effected after clicking "OK" in the main page.
- When adding statistics / classification, the system will automatically adjust the years classification groupings if necessary.

4.2 Change years and classification groupings

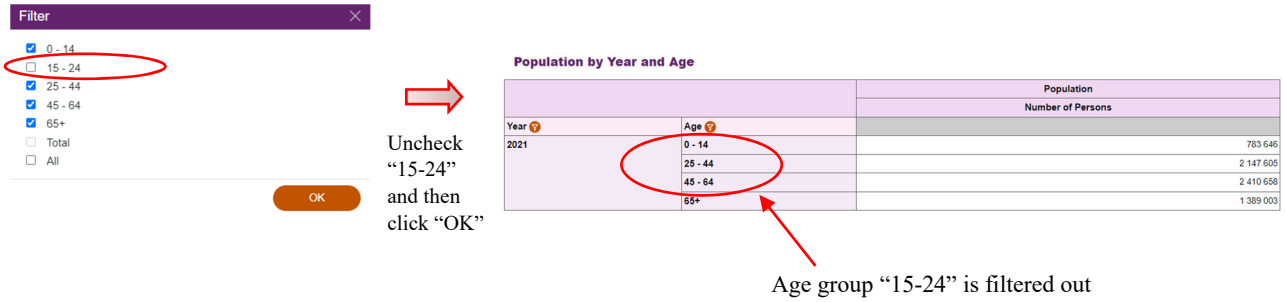
- You can change years and classification groupings via the "Grouping / More Data" panel.
- Click "Grouping / More Data" to open the panel.
- Select the required year(s).
- Select the required classification grouping(s).
- Click "OK".



- Some classification variables are only applicable to particular year(s). For example, the "Industry – 7 Groups (HSIC 1.1) (Classification in 2006)" is only applicable to year 2006. When this classification is selected, the system will change the year to 2006 automatically.

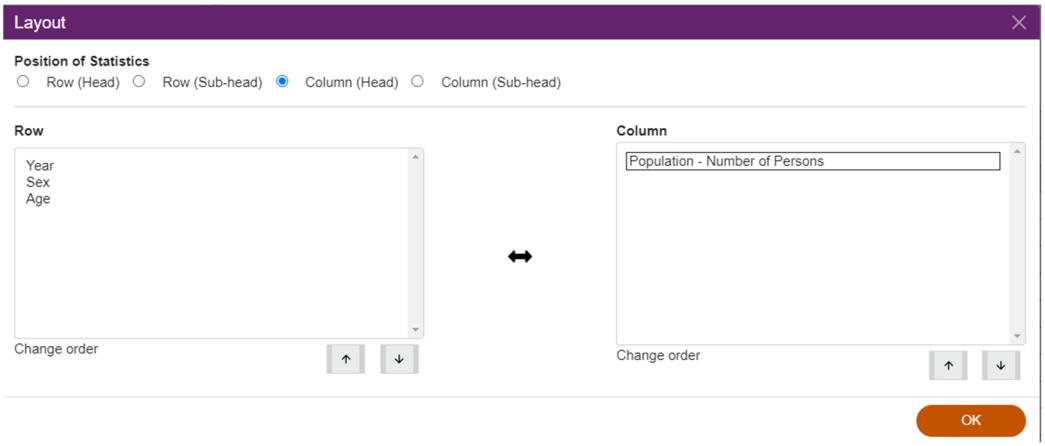
4.3 Filter out classification items

- You may filter out a few classification items and total (and sub-totals) under a particular classification grouping.
- In the table, click the button corresponding to the classification grouping to open the list of classification items.
- Uncheck the boxes to filter out the groups which are no longer required. Total (and sub-totals) of this classification grouping will not be displayed automatically after one of the items have been filtered out.
- Click "OK".



4.4 Change table layout

- You can use the "Layout" panel where you can change the positions / orders of the statistics / classifications. To use this panel, click "Layout" above the table.



4.4.1 Change the position of statistics

- You can select one of the following four positions under the section "Position of Statistics":

In Column (Head) [Default]

Population by Year, Sex and Age

		Population		
		Number of Persons		
Sex		Male	Female	Total
Year	Age			
2021	0 - 14	415 999	391 839	807 838
	15+	2 966 268	3 638 964	6 605 232
	Total	3 382 267	4 030 803	7 413 070

Top

In Column (Sub-head)

Population by Year, Sex and Age

Sex		Male	Female	Total
		Population	Population	Population
		Number of Persons	Number of Persons	Number of Persons
Year	Age			
2021	0 - 14	415 999	391 839	807 838
	15+	2 966 268	3 638 964	6 605 232
	Total	3 382 267	4 030 803	7 413 070

Bottom

In Row (Head)

Population by Year, Sex and Age

Sex				Male	Female	Total
		Year	Age			
Population	Number of Persons	2021	0 - 14	415 999	391 839	807 838
			15+	2 966 268	3 638 964	6 605 232
			Total	3 382 267	4 030 803	7 413 070

Left

In Row (Sub-head)

Population by Year, Sex and Age

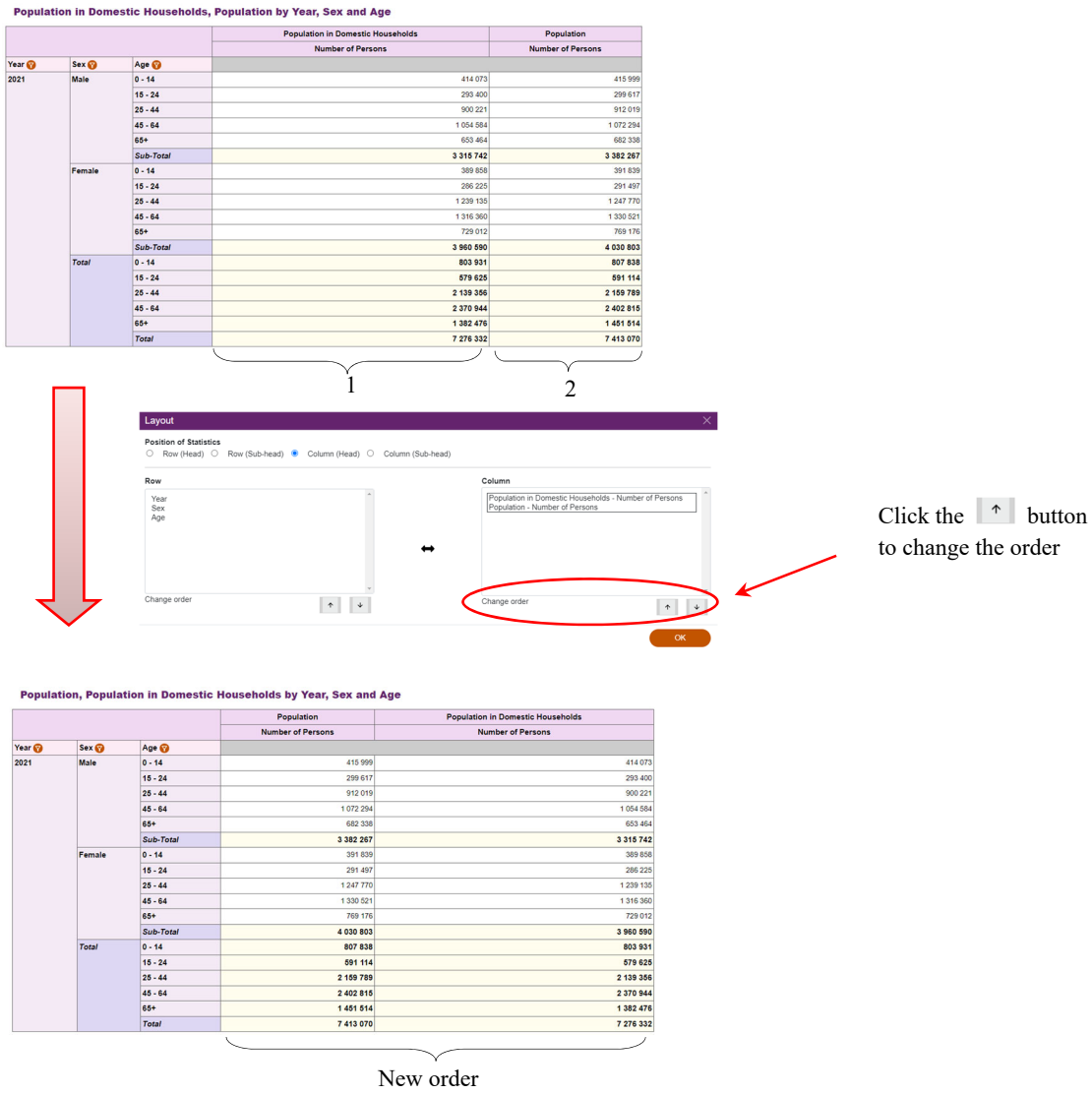
Sex				Male	Female	Total
Year	Age					
2021	0 - 14	Population	Number of Persons	415 999	391 839	807 838
	15+	Population	Number of Persons	2 966 268	3 638 964	6 605 232
	Total	Population	Number of Persons	3 382 267	4 030 803	7 413 070

Right

- Click "OK" to confirm your choice.

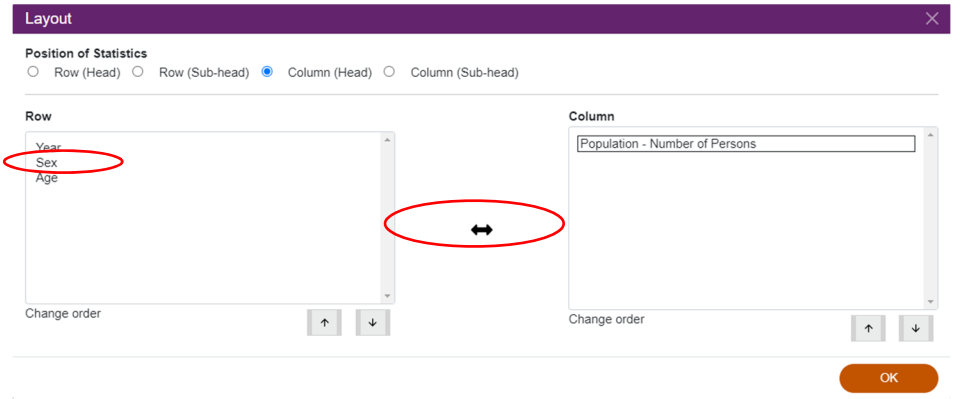
4.4.2 Change the order of statistics

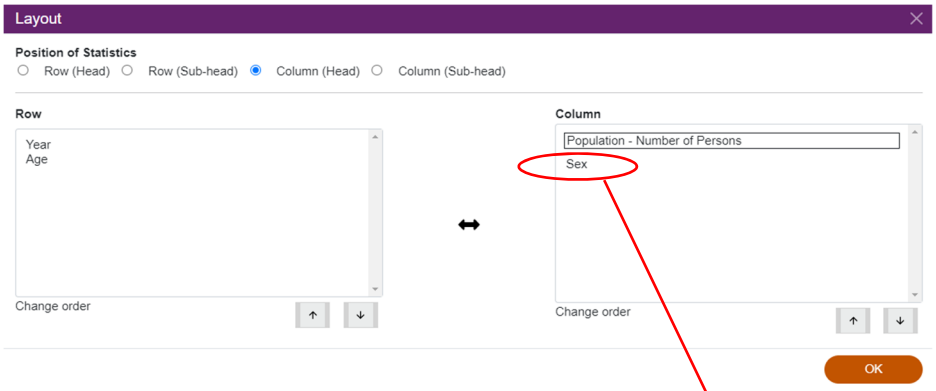
- Select the statistics in "row"/"column" section.
- Click ↑ or ↓ to change the order of the statistics.
- Click "OK".



4.4.3 Change a row classification to a column classification (or vice versa)

- Select the classification in the “row”/“column” section.
- Click ⇹ to switch the classification between row and column.
- Click “OK”.





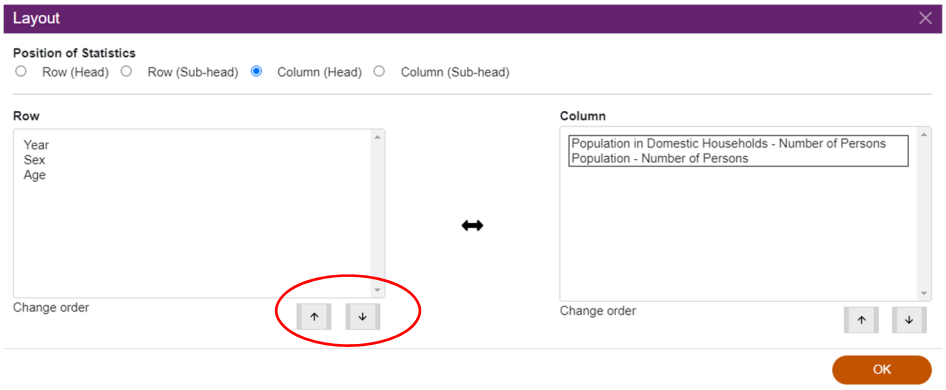
Classification in column
- Sex

Population by Year, Sex and Age

		Population		
		Number of Persons		
Sex		Male	Female	Total
Year	Age			
2021	0 - 14	415 999	391 839	**807 838**
	15 - 24	299 617	291 497	**591 114**
	25 - 44	912 019	1 247 770	**2 159 789**
	45 - 64	1 072 294	1 330 521	**2 402 815**
	65+	682 338	769 176	**1 451 514**
	Total	**3 382 267**	**4 030 803**	**7 413 070**

4.4.4 Change the order of classifications

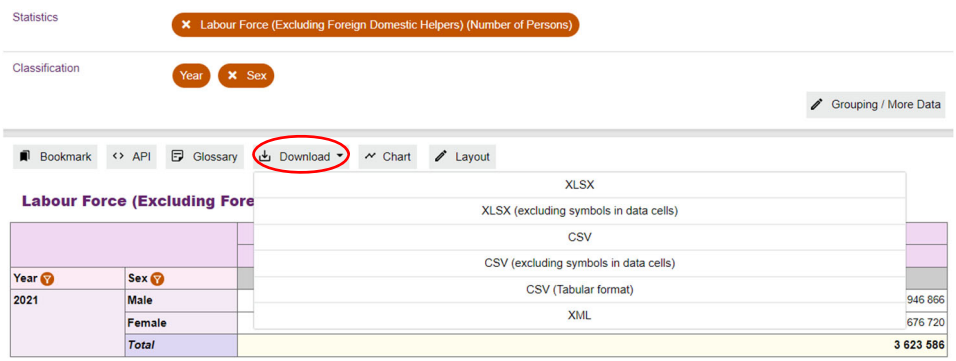
- Select the classification in the "row"/"column" section.
- Click ↑ or ↓ to change the order of the classification.
- Click "OK".



5 Download, bookmark and other functions

5.1 Download

You can download the statistical table (e.g. XLSX, CSV or XML format) for further manipulation.



5.2 Bookmark

You can bookmark the statistical table for future use.

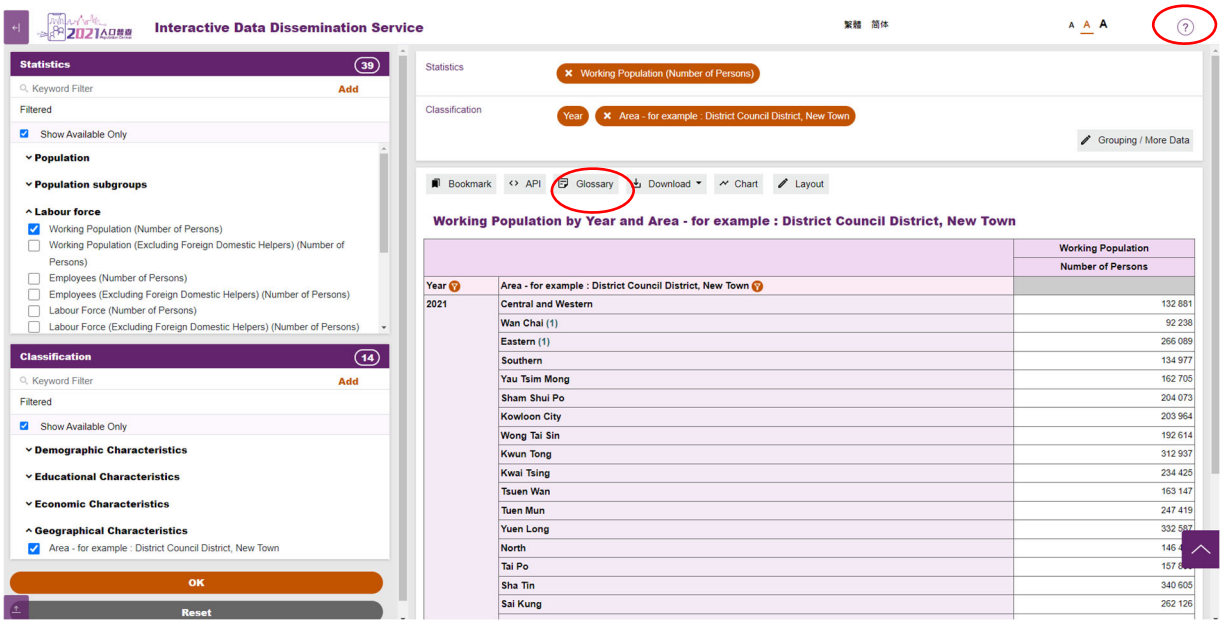
5.3 Application Programming Interface (API)

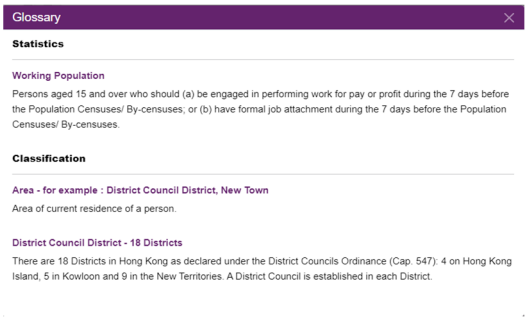
Click “API” above the table to generate the data request link.

Advanced users can also construct data request link based on specific parameters and obtain data response in JavaScript Object Notation (JSON)) format.

5.4 Reference materials

You can click “Glossary” to view definitions of terms of selected statistics and classifications. You can also find more reference materials from the icon (?) on the top right corner.



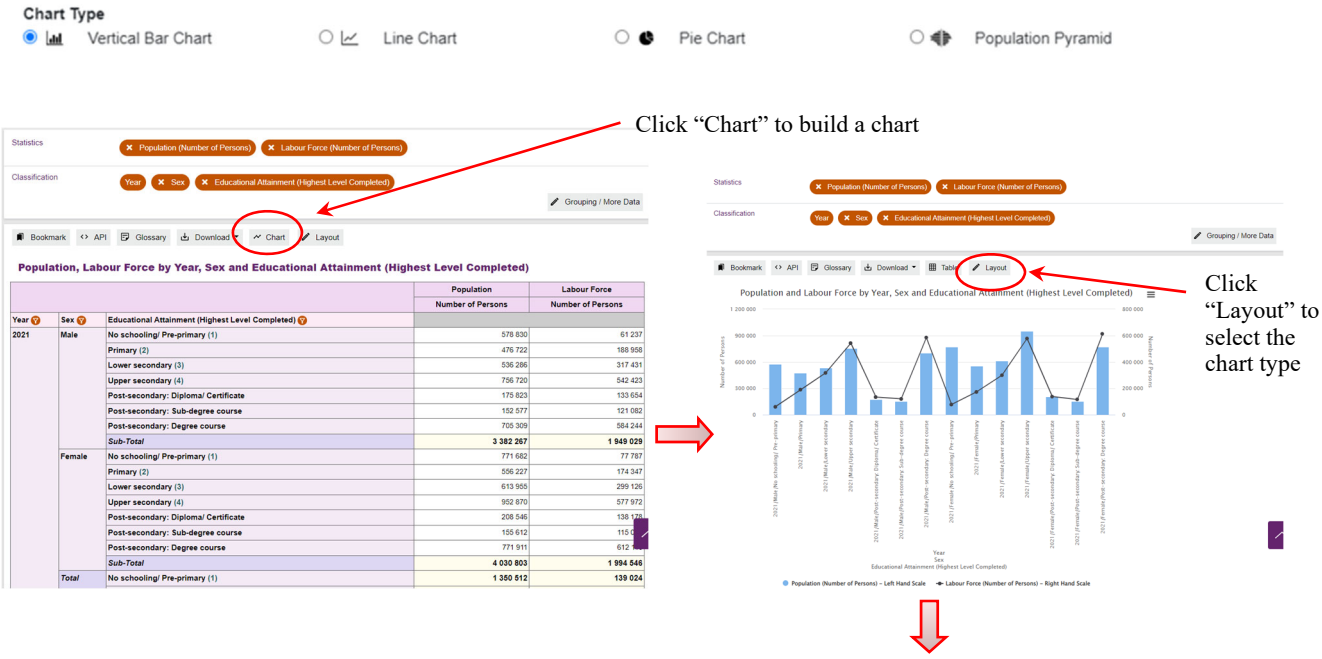


5.5 Reset

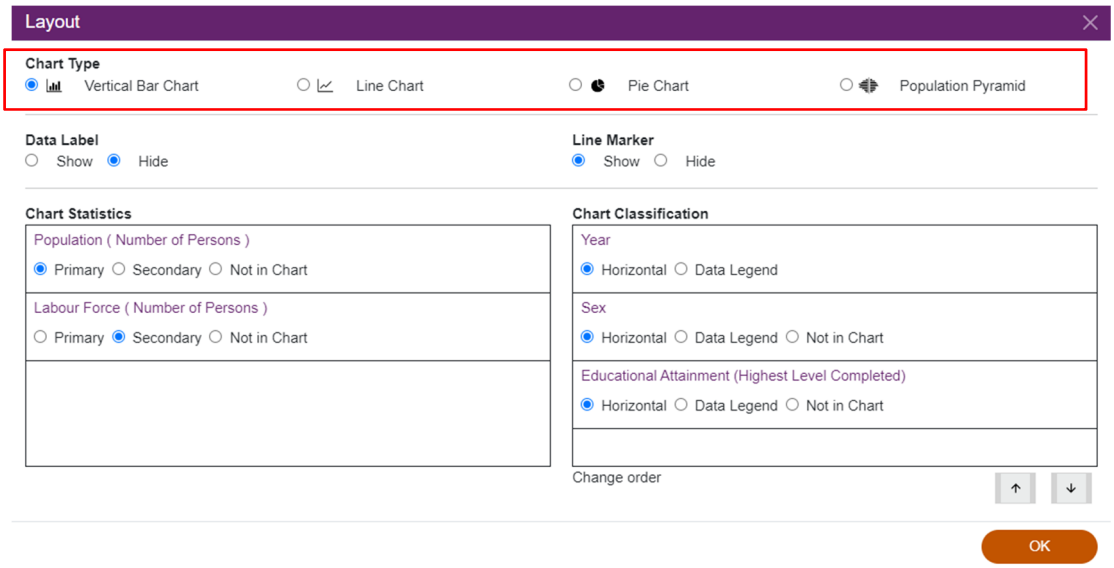
You can click “Reset” in the main page to remove all your previous selection(s) and build a new statistical table / chart.

6 Build statistical chart

You can build a statistical chart after building a statistical table by simply clicking "Chart" above the table. While the system allows users to switch between a table and a chart interactively, it is advisable that you should download the table or chart that you have built before switching. It is because the format of the original table or chart may change after switching.

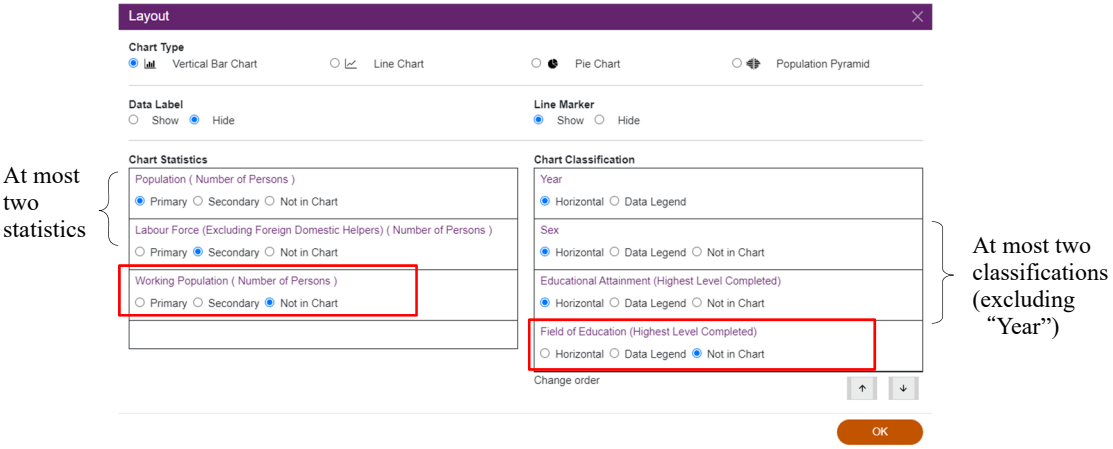


The following four chart types are available in the IDDS:



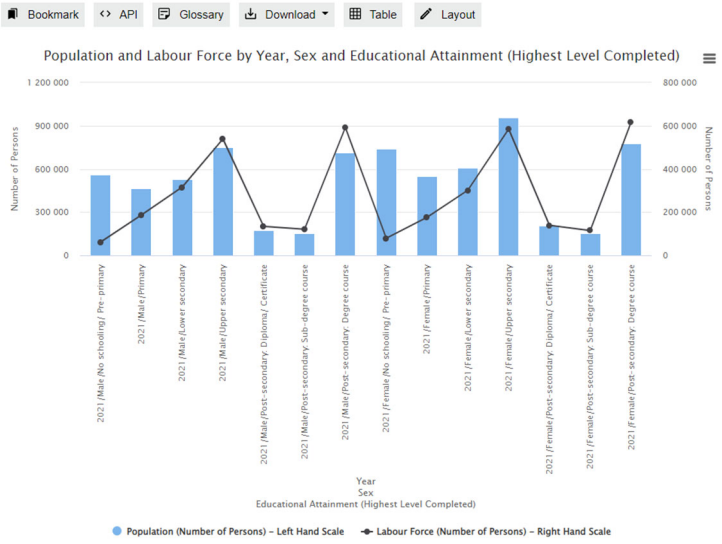
6.1 Build and modify a vertical bar chart

- A vertical bar chart can be built with at most two statistics and two classifications (excluding "Year").
- When there are two statistics, they are presented separately in a vertical bar chart and a line chart using two different y-axis scales.
- The remaining statistics and classifications will be set as "Not in chart".



At most two statistics

At most two classifications (excluding "Year")

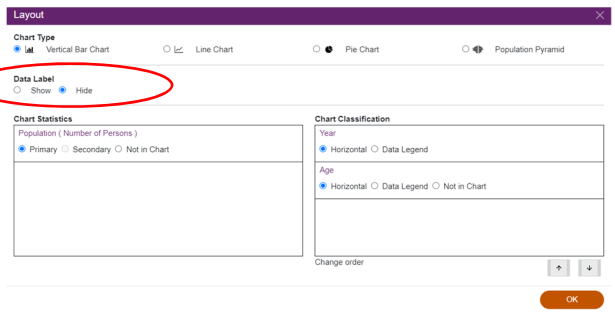


A vertical bar chart is used to present the statistics item using the primary axis whereas a line chart is used to present the one using the secondary axis.

6.1.1 Modify the chart setting

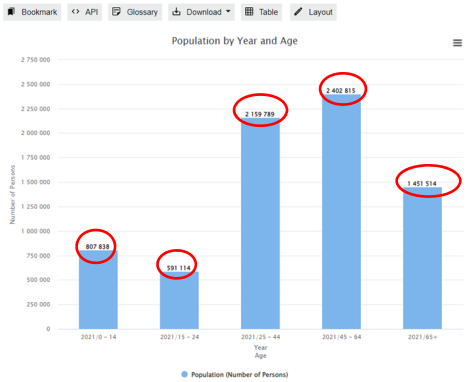
6.1.1.1 Show / Hide data label

- Select "Show" or "Hide" in "Data Label" section.

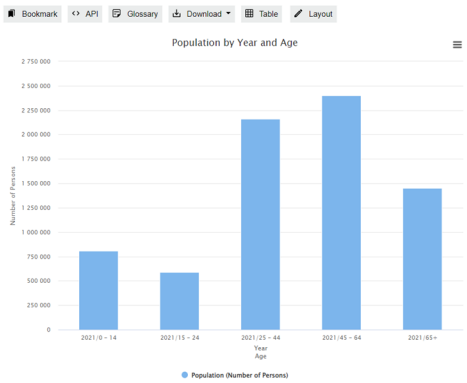


- Click "OK".

Show data label

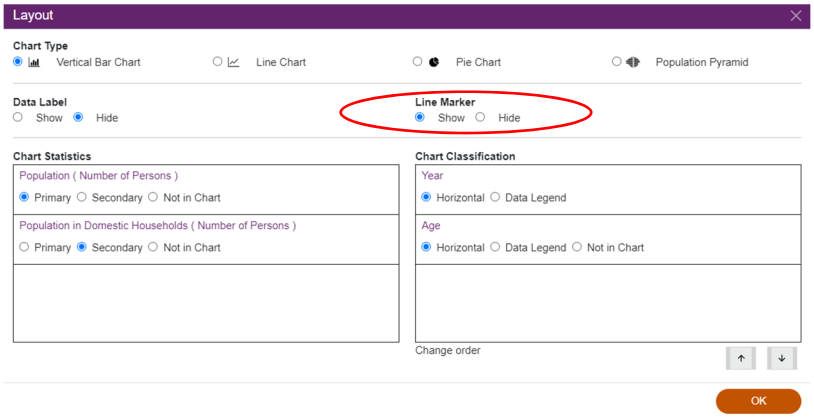


Hide data label



6.1.1.2 Show / Hide line marker

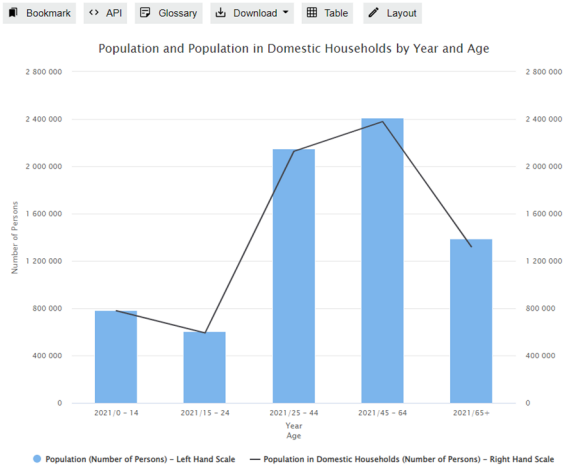
- Select “Show” / “Hide” in the “Line Marker” section.



- Click “OK”.

Show line marker

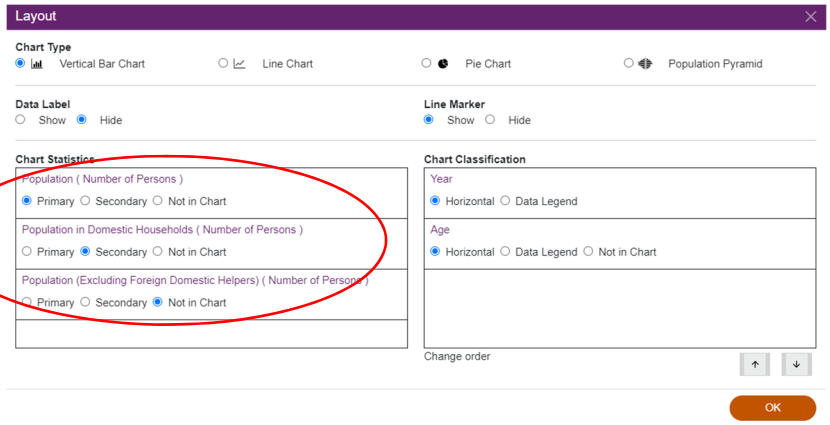
Hide line marker



6.1.2 Modify the statistics setting

6.1.2.1 Position

You can change the position of statistics on the chart by clicking “Primary”, “Secondary” or “Not in Chart” in “Chart Statistics” section.



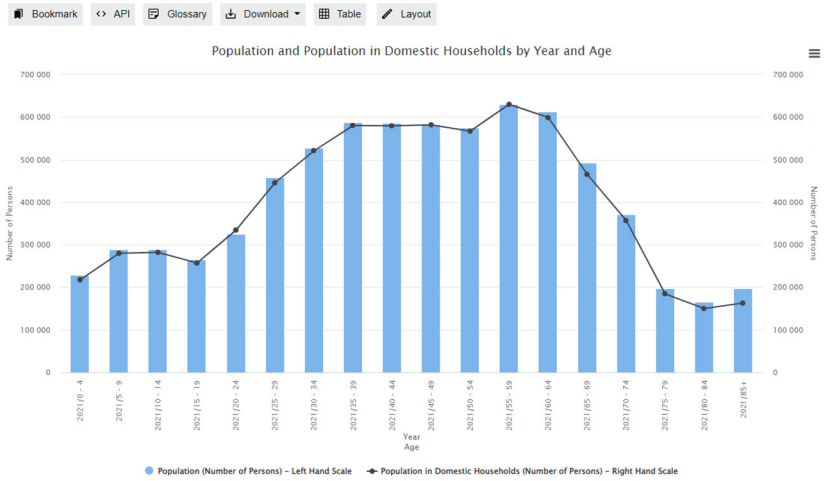
- Primary

- It refers to the primary axis.

- Secondary

- It refers to the secondary axis.

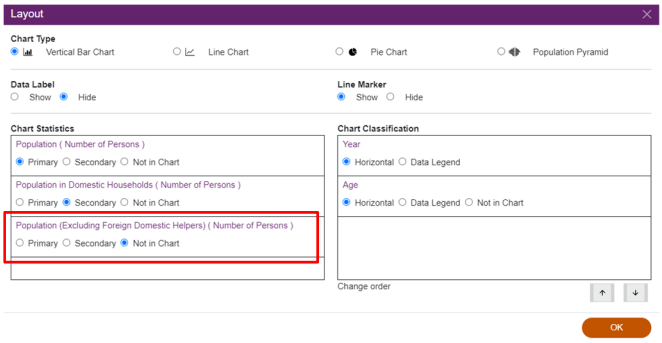
Primary axis: Population (Number of Persons)



Secondary axis: Population in Domestic Households (Number of Persons)

- Not in chart

- Select this if the statistics will not be shown in the chart. In the following example, the selected statistics "Population (Excluding Foreign Domestic Helpers) (Number of Persons)" will not be shown in the chart.



6.1.2.2 Delete statistics

- Click "X" in the panel above the statistical chart.

Note: After modifying your selection(s), click "OK" in the main page.

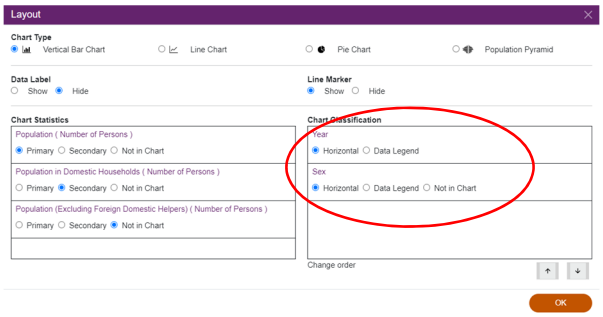
6.1.3 Modify the classification setting

6.1.3.1 Groupings

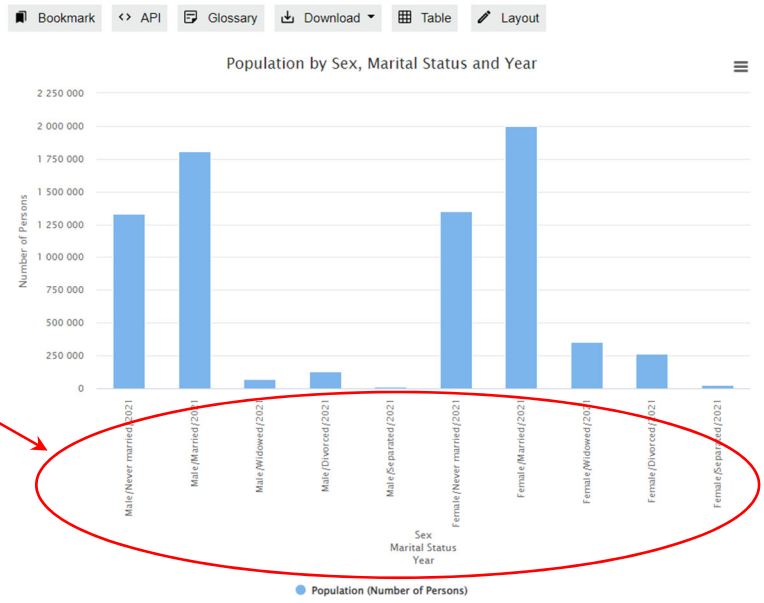
- For details about changing the classification groupings or filtering some classification items, please refer to Sections 4.2 and 4.3.

6.1.3.2 Position

- To change the position of a classification on the chart, just click “Horizontal”, “Data Legend” or “Not in Chart” in “Chart Classification” section.

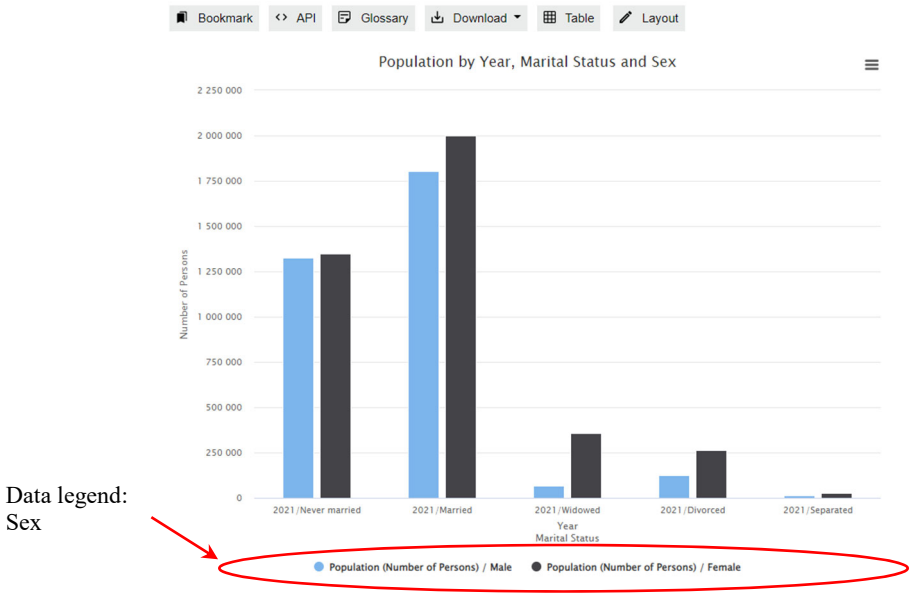


- Horizontal
  - It refers to the horizontal axis.



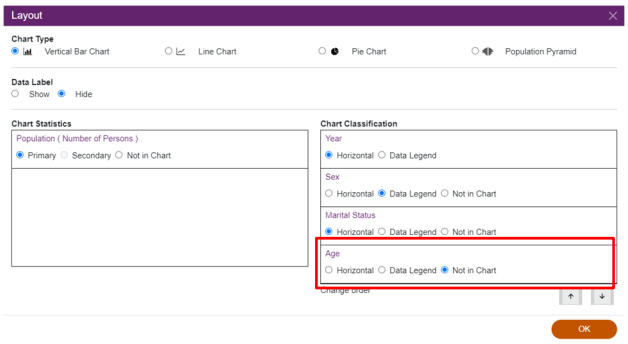
Horizontal axis:
- Sex
- Marital status
- Year

- Data Legend
  - It identifies different class codes of a classification in a vertical bar chart. This option is not applicable to classifications with more than 100 class code values.



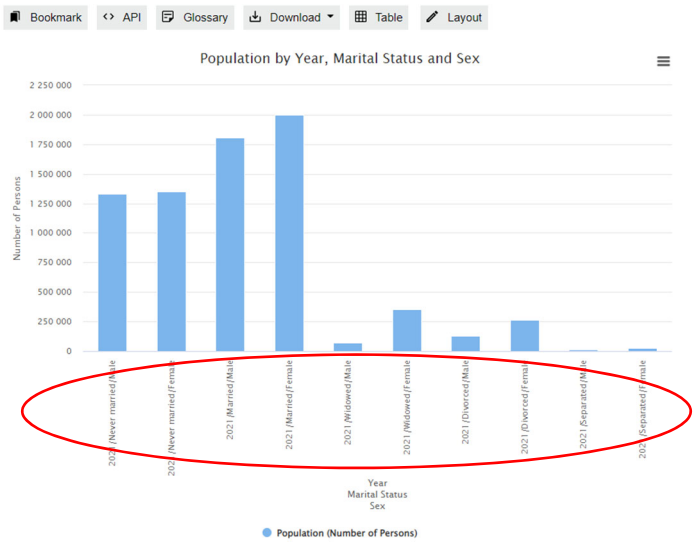
Data legend:
Sex

- Not in chart
  - Select this if the classification will not be shown in the chart. In the following example, the selected classification "Age" will not be shown in the chart.



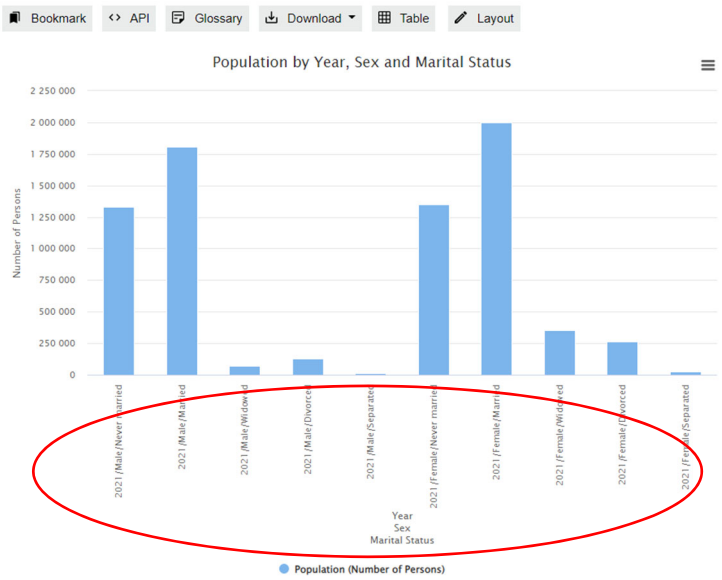
6.1.3.3 Order

- The presentation order of the selected classifications which are used as horizontal axis can be modified. Click ↑ or ↓ until all classifications are in your preferred order.



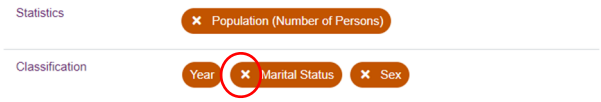
Order:
- Year: 1
- Marital Status: 2
- Sex: 3

Order:
- Year: 1
- Sex: 2
- Marital Status: 3



6.1.3.4 Delete classifications

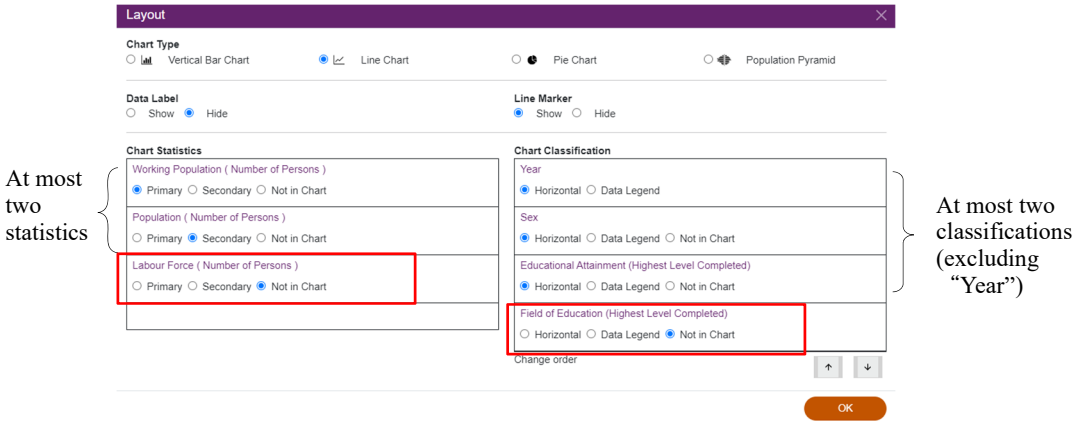
- Click “X” to delete classifications.



- Click “OK” in the main page.

6.2 Build and modify a line chart

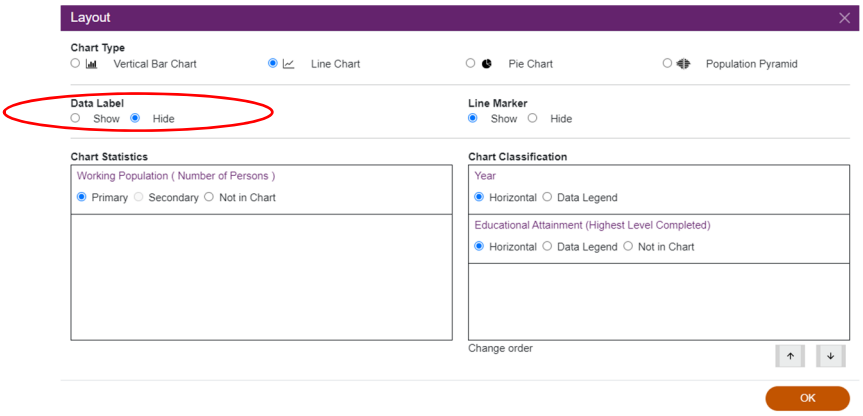
- A line chart can be built with at most two statistics and two classifications (excluding "Year").
- The remaining selected variables will be put in the "Not in chart" section.



6.2.1 Modify the chart setting

6.2.1.1 Show / Hide data label

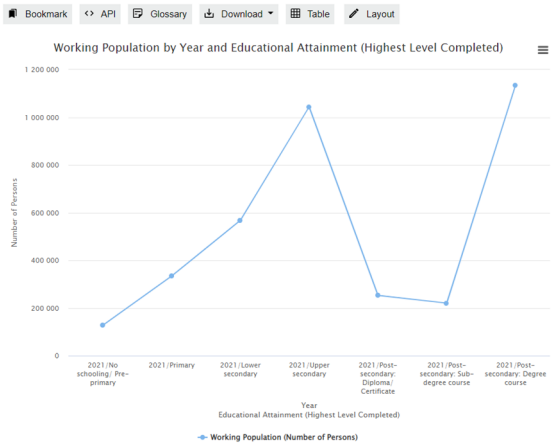
- Click "Show" / "Hide" in "Data Label" section.



- Click "OK".

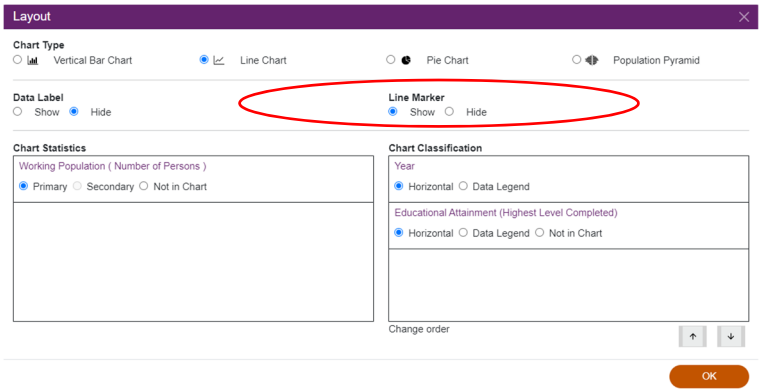
Show data label

Hide data label



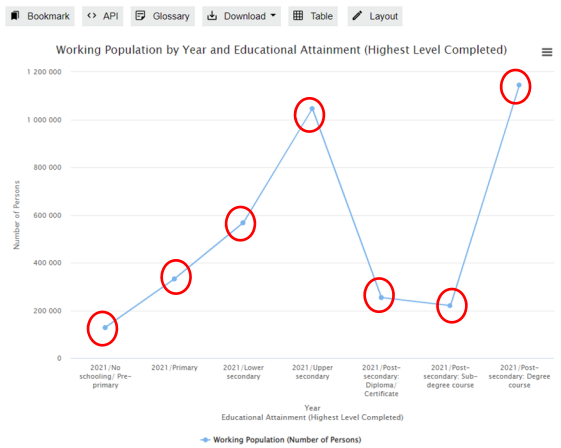
6.2.1.2 Show / Hide line marker

- This option is only applicable to line charts.
- Click “Show” / “Hide” in “Line Marker” section.



- Click “OK”.

Show line marker

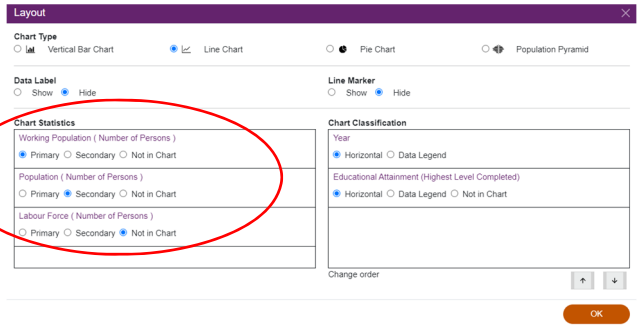


Hide line marker

6.2.2 Modify the statistics setting

6.2.2.1 Position

You can change the position of statistics on the chart by clicking “Primary”, “Secondary” or “Not in Chart” in “Chart Statistics” section.

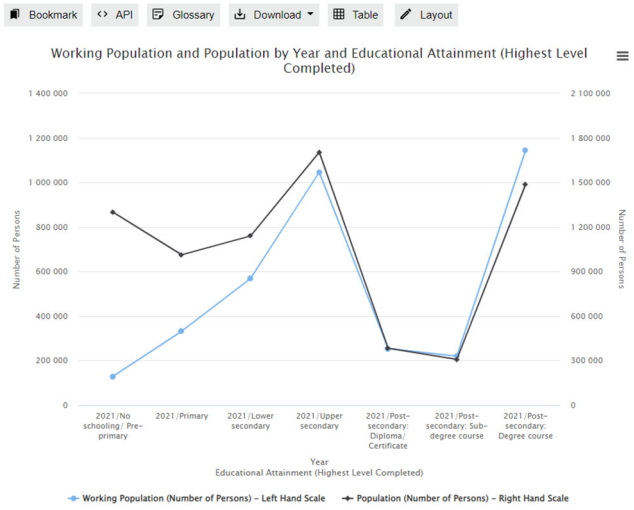


- Primary

- It refers to the primary axis.

- Secondary

- It refers to the secondary axis.

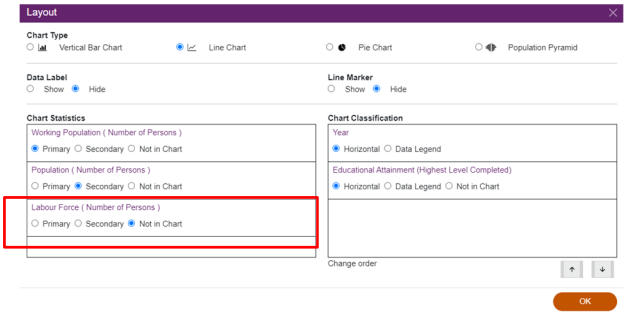


Primary axis: Working Population (Number of Persons)

Secondary axis: Population (Number of Persons)

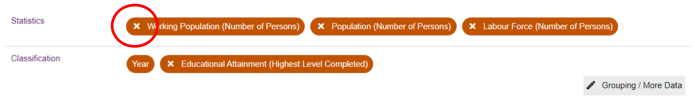
- Not in chart

- Select this if the statistics will not be shown in the chart. In the following example, the statistics “Labour Force (Number of Persons)” will not be shown in the chart.



6.2.2.2 Delete statistics

- Click “X” to delete statistics.



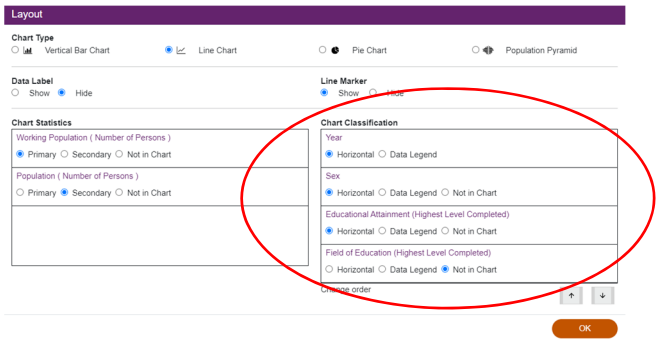
- Press “OK” in the main page.

6.2.3 Modify the classification setting

6.2.3.1 Groupings

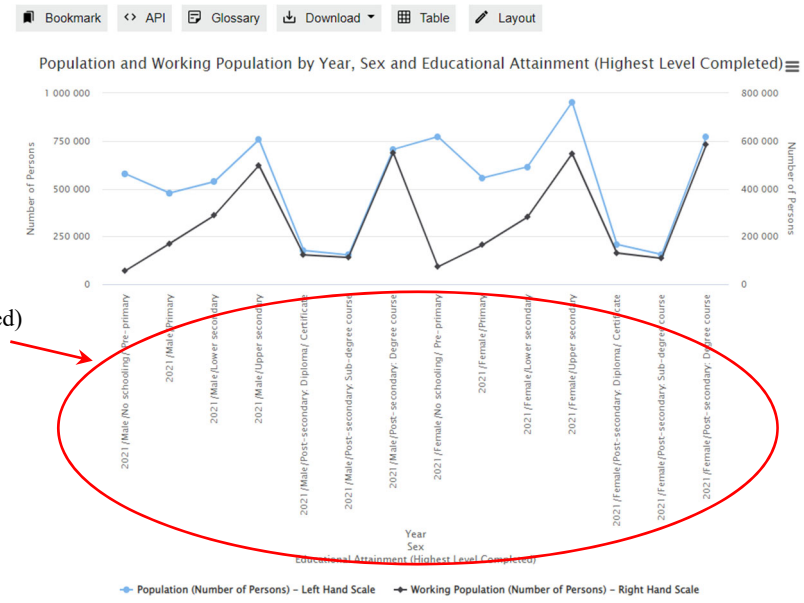
- For details about changing the classification groupings or filtering some classification items, please refer to Section 4.2 and 4.3.

6.2.3.2 Position



- To change the position of a classification on the chart, click “Horizontal”, “Data Legend” or “Not in Chart” in “Chart Classification” section.

- Horizontal
- It refers to the horizontal axis.



Horizontal axis:
- Year
- Sex
- Education Attainment (Highest Level Completed)

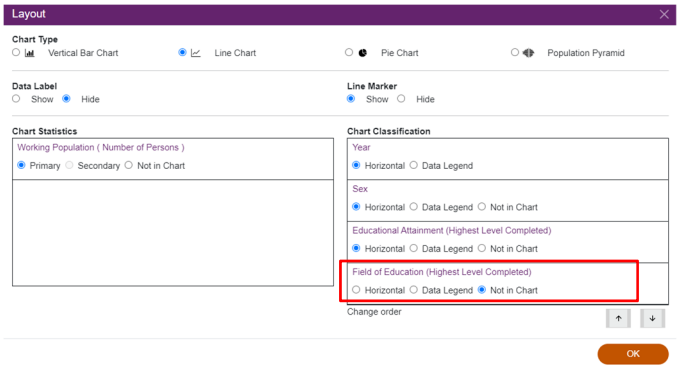
- Data Legend

- It identifies different classification items in a line chart. This option is not applicable to classifications with more than 100 classification items.

Data legend: Sex

- Not in chart

- Select this if the classification will not be shown in the chart. In the following example, the classification “Field of Education (Highest Level Completed)” will not be shown in the chart.

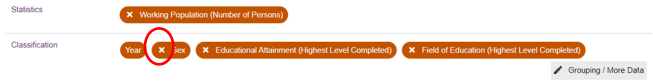


6.2.3.3 Order

- The presentation order of the selected classifications which are used as horizontal axis can be modified. Click ↑ or ↓ until all classifications are in your preferred order.

6.2.3.4 Delete classifications

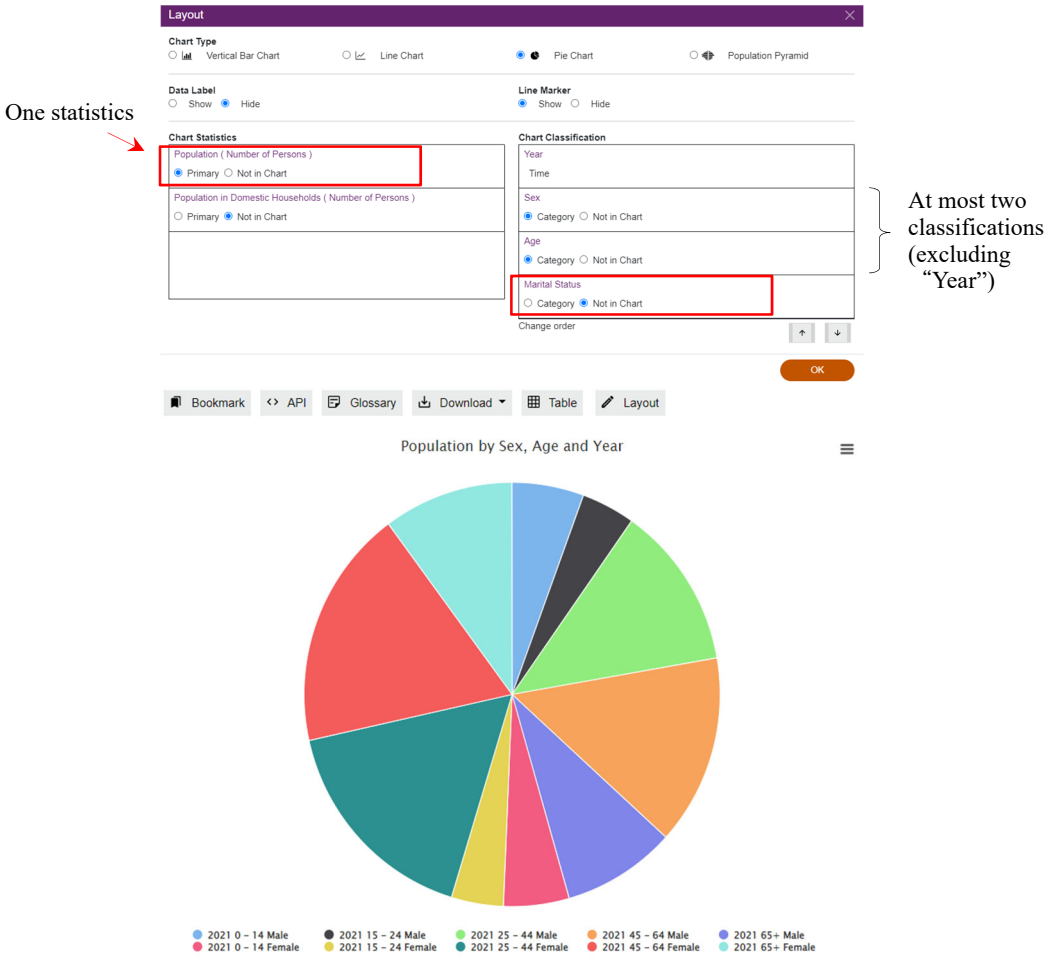
- Click “X” to delete classifications.



- Click “OK” in the main page.

6.3 Build and modify a pie chart

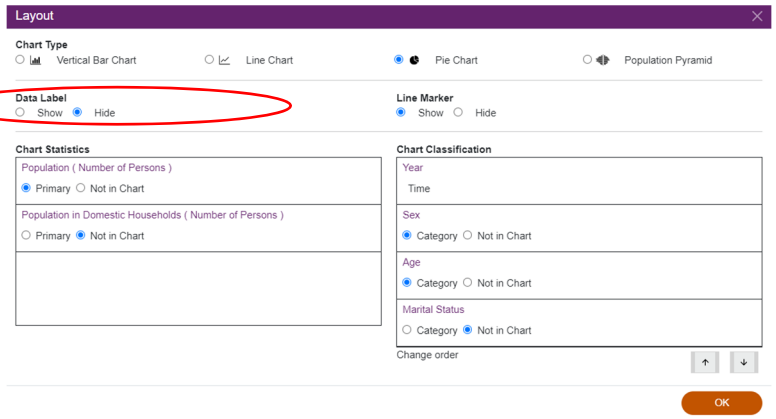
- A pie chart can only be built with single year, one statistics and at most two classifications (excluding "Year").
- The remaining selected variables will be put in the "Not in chart" section.



6.3.1 Modify the chart setting

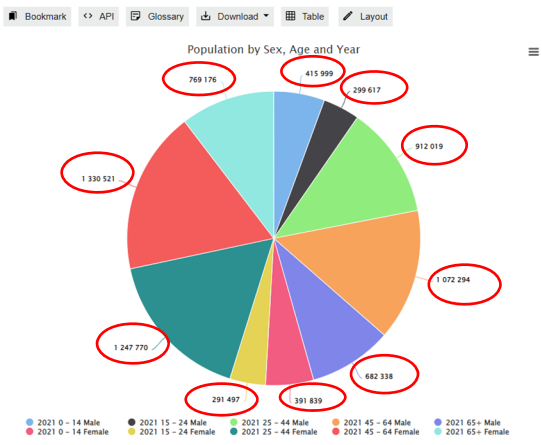
6.3.1.1 Show / Hide data label

- Click "Show" / "Hide" in "Data Label" section.

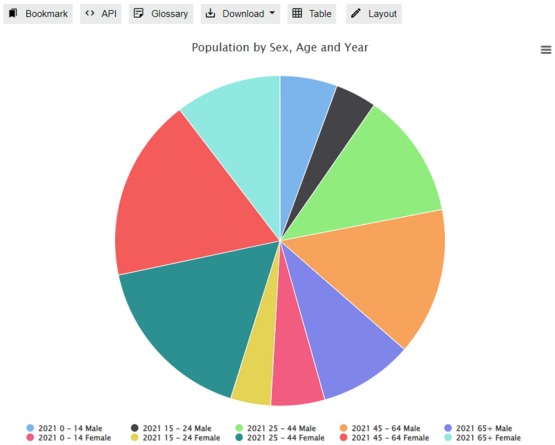


- Click "OK".

Show data label



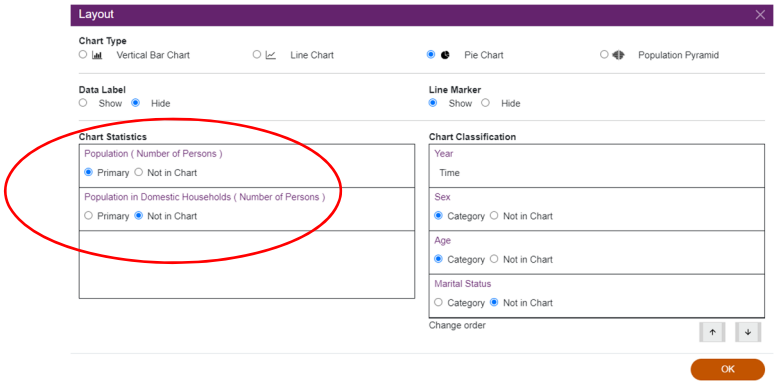
Hide data label



6.3.2 Modify the statistics setting

6.3.2.1 Position

You can change the position of statistics on the chart by clicking “Primary” or “Not in Chart” in “Chart Statistics” section.

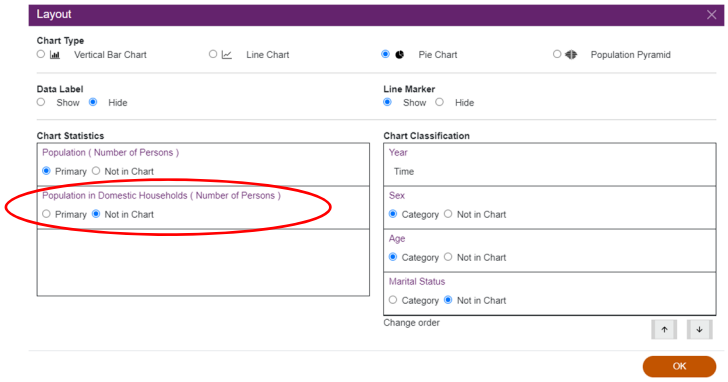


- Primary

- It refers to the primary axis.
- Only one statistics can be selected as “Primary” and shown in the chart.

- Not in chart

- Select this if the statistics will not be shown in the chart. In the following example, the statistics “Population in Domestic Households (Number of Persons)” will not be shown in the chart.



6.3.2.2 Delete statistics

- Click "X" to delete statistics.

- Press "OK" in the main page.

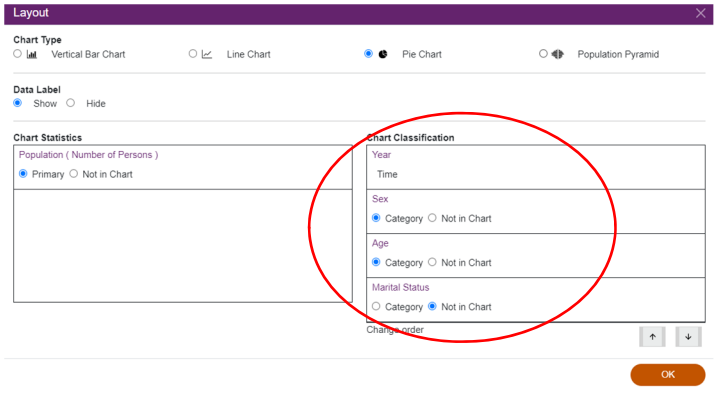
6.3.3 Modify the classification setting

6.3.3.1 Groupings

- For details about changing the classification groupings or filtering some classification items, please refer to Section 4.2 and 4.3.

6.3.3.2 Position

- To change the position of a classification on the chart, click "Category" or "Not in Chart" in "Chart Classification" section.



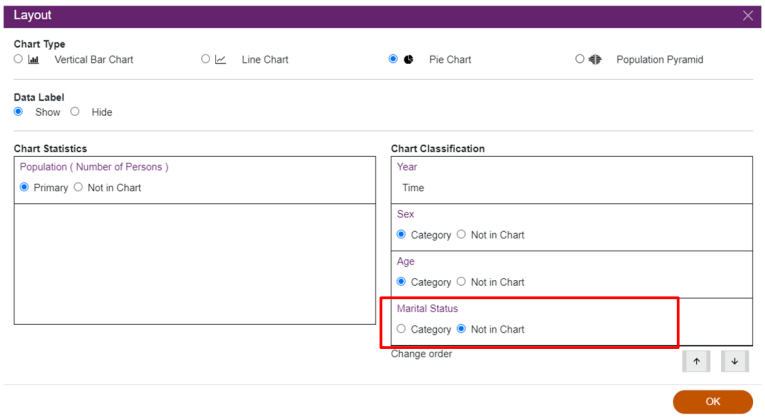
- Category

- The classifications to be shown on the chart should be set as "Category".

- Not in chart

- Select this if the classification will not be shown in the chart. In the following example,

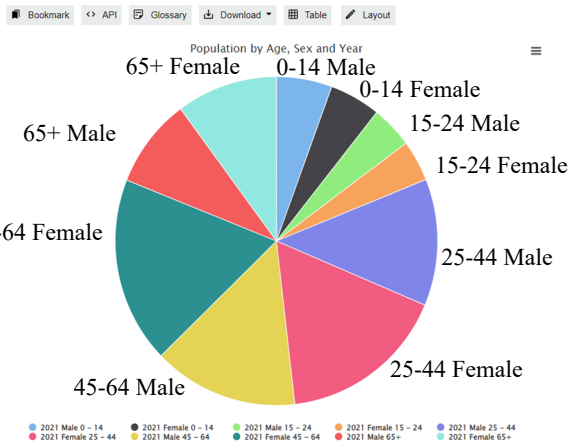
the classification "Marital Status" will not be shown in the chart.



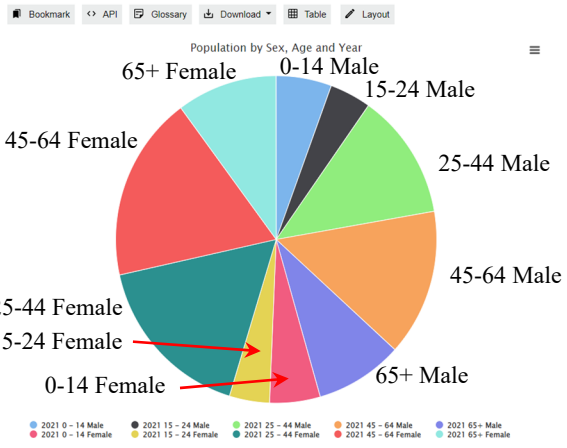
6.3.3.3 Order

- The presentation order of the selected classifications can be modified. Click ↑ or ↓ until all classifications are in your preferred order.

Order: Age = 1, Sex = 2



Order: Sex = 1, Age = 2



6.3.3.4 Delete classifications

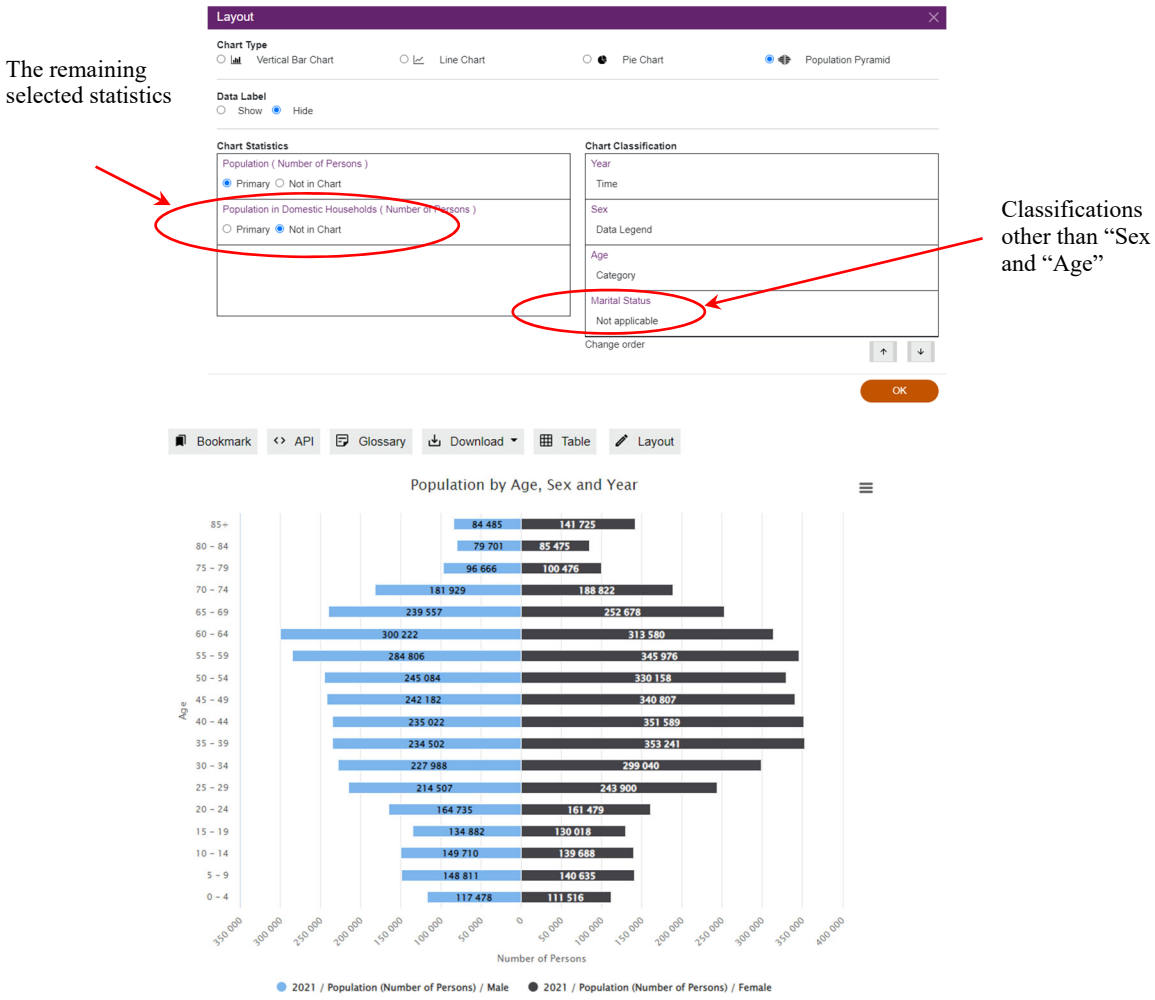
- Click "X" to delete classifications.

- Click "OK" in the main page.

6.4 Build and modify a population pyramid

- A population pyramid can be built with the selections of (i) both "Sex" and "Age" as the classifications and (ii) one statistical variable related to persons, e.g. population, working population or usual residents.

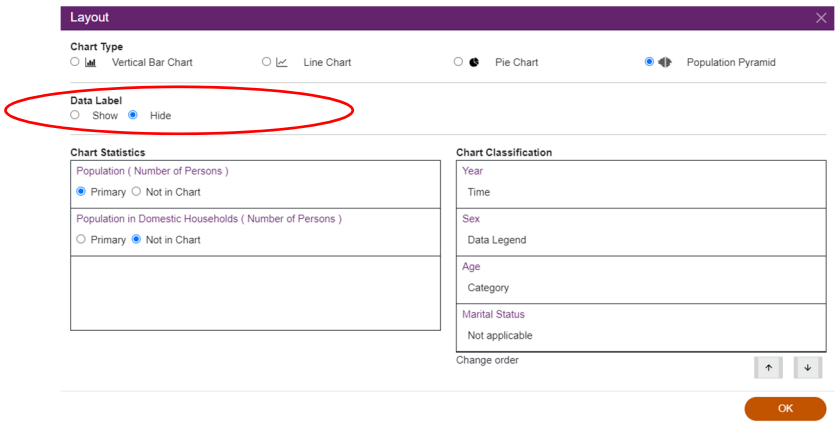
- The remaining selected statistics will be set as “Not in chart”.
- Classifications other than “Sex” and “Age” will be set as “Not applicable”.



6.4.1 Modify the chart setting

6.4.1.1 Show / Hide data label

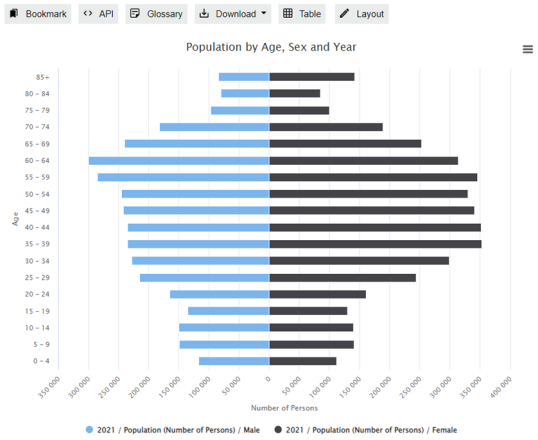
- Click “Show” / “Hide” in “Data Label” section.



- Click “OK”.

Show data label

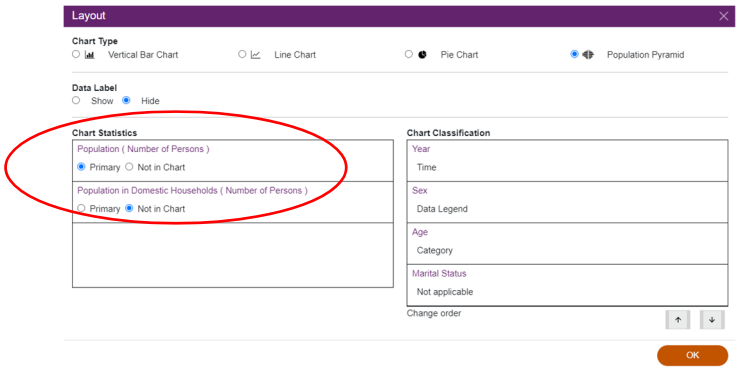
Hide data label



6.4.2 Modify the statistics setting

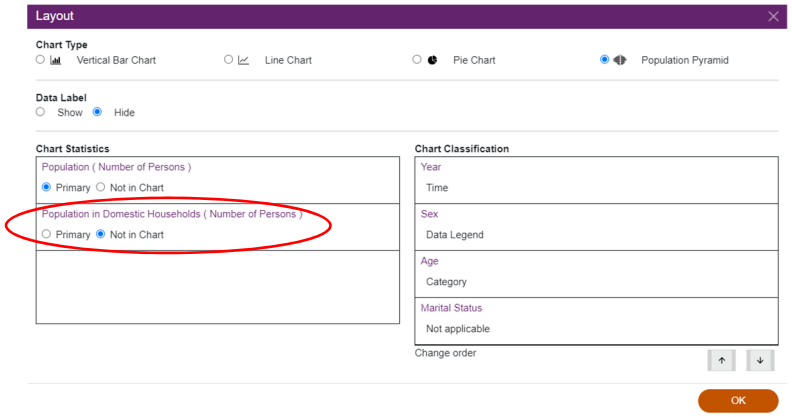
6.4.2.1 Position

You can change the position of statistics on the chart by clicking “Primary” or “Not in Chart” in “Chart Statistics” section.



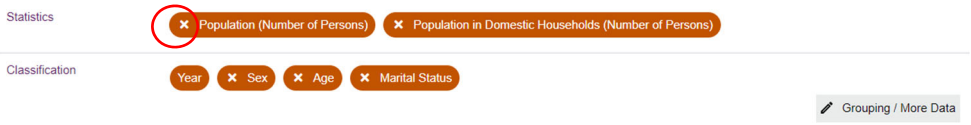
- Primary
  - It refers to the primary axis.
  - Only one statistics can be selected as “Primary” and shown in the chart.

- Not in chart
  - Select this if the statistics will not be shown in the chart. In the following example, the selected statistics “Population in Domestic Households (Number of Persons)” will not be shown in the chart.



6.4.2.2 Delete statistics

- Click “X” to delete the statistics.



- Click “OK” in the main page.

6.4.3 Modify the classification setting

6.4.3.1 Groupings

- For details about changing the classification groupings or filtering some classification items, please refer to Section 4.2 and 4.3.

7 Further information on IDDS

- List of Statistics and Classifications
  (https://www.census2021.gov.hk/en/idds_list_stat_class.html)
- Demo Video
  (https://www.census2021.gov.hk/en/idds_demo.html)
- Frequently Asked Questions
  (https://www.census2021.gov.hk/en/idds_faq.html)

Enquiries about the IDDS can be directed to:

2021 Population Census Office
Census and Statistics Department
Address: 40/F, Immigration Tower, 7 Gloucester Road,
Wanchai, Hong Kong
Tel: (852) 3428 2744 Fax : (852) 3584 7864
E-mail: **census2021@censtatd.gov.hk**