

Beginners' Manual for BOJ Time-Series Data Search Easy-to-Use On-Screen Instructions for Data Searching and Graph Drawing

Content

I. Data Searching

How to quickly view the latest data of major time-series statistics produced by the BOJ	2
How to find specific time-series data	
1. Search by category of statistics	4
2. Search by keyword(s)	9
3. Search by using data codes	12
How to conduct an advanced search (i.e., how to find a customized set of time-series data)	15
How to download data packages of price statistics, Flow of Funds, TANKAN, Balance of Payments, and BIS-Related Statistics	18

II. Graph Drawing

How to view and/or draw graphs of statistical data released by the BOJ	
1. View and use graphs of "Key figures at a glance"	19
2. Draw graphs of your customized set of time-series data	21
3. Redraw graphs	
A. Change type of graph	28
B. Change frequency of graph	33
C. Add new time-series data	35
D. Remove time-series data	42
E. Hide recession bars	44
F. Rearrange order of stacked bar graphs	46
4. Print graph image	49
5. Check information and data of graphs	52
6. Features of Graph page	55

I. Data Searching

How to quickly view the latest data of major time-series statistics produced by the BOJ.

- By viewing and/or downloading tables of data in the BOJ main time-series statistics.

The BOJ main time-series statistics are located in the upper part of the BOJ Time-Series Data Search Home page screen. Links to BOJ main time-series statistics -- classified by statistics and frequency -- are provided by clicking the category of the statistics.

Click **List of main time-series statistics** to view the list of all time-series statistics.

BOJ Time-Series Data Search Home page (upper part of screen)

The screenshot shows the BOJ Time-Series Data Search Home page. The page has a header with the BOJ logo and the text "BOJ Time-Series Data Search". Below the header, there is a section titled "BOJ's main statistical data" which includes a sub-section "Key figures at a glance" with buttons for Interest Rates, F X, Money Stock, Prices, BOP, and TANKAN. Below this is a section titled "BOJ's main time-series statistics" which includes a sub-section "Interest Rates on Deposits and Loans" with a list of statistics: Basic Loan Rate [Daily] [Monthly], Average Interest Rates Posted at Financial Institutions by Type of Deposit [Weekly (Monday Base)], and Average Contracted Interest Rates on Loans and Discounts [Monthly]. There is also a sub-section "Financial Markets" with a button for "List of main time-series statistics". At the bottom, there is a section titled "Statistical data search" with a button for "List of main time-series statistics".

Choose the category of the statistics under the BOJ's main time-series statistics.

Choose the list of all time-series statistics.

Data can be downloaded by clicking the **Download** button in the upper left-hand corner of the table. Then click the **Save** button in the **File Download** window, and specify where to save the file.

Click the icon next to each data code for a simple graph for each table.

For designing graphs to create your own customized set of time-series data, see "II. Graph Drawing" on page 19.






BOJ's Main Time-Series Statistics window (upper part of screen)

BOJ Time-Series Data Search > Beginners' Manual

BOJ's Main Time-series Statistics

Download **Back** Click to download data. Click to display a simple graph.

Last Update : 2021-04-09 PM 01:36

	Average Contract Interest Rates on Loans and Discounts (Monthly)	Average Contract Interest Rates on Loans and Discounts (Monthly)	Average Contract Interest Rates on Loans and Discounts (Monthly)	Average Contract Interest Rates on Loans and Discounts (Monthly)	Average Contract Interest Rates on Loans and Discounts (Monthly)
Name of time-series	New Loans and Discounts/Short-term Loans and Discounts/Domestically Licensed Banks	New Loans and Discounts/Long-term Loans/Domestically Licensed Banks	New Loans and Discounts/Total/Domestically Licensed Banks	Outstanding Loans and Bills Discounted/Short-term Loans and Discounts/Domestically Licensed Banks	Outstanding Loans and Bills Discounted/Long-term Loans/Domestically Licensed Banks
Series code	IR04'DLLR2CIBNL2 	IR04'DLLR2CIBNL3 	IR04'DLLR2CIBNL1 	IR04'DLLR2CIBNST2 	IR04'DLLR2CIBNST3 
Unit	Percent per annum	Percent per annum	Percent per annum	Percent per annum	Percent per annum
Start of the time-series	1993/10	1993/10	1993/10	1993/10	1993/10
End of the time-series	2017/08	2017/08	2017/08	2017/08	2017/08
Last update	2017/10/19	2017/10/19	2017/10/19	2017/10/19	2017/10/19
1993/10	3.949	4.39	4.043	4.175	5.091
1993/11	3.793	4.14	3.861	4.046	4.988
1993/12	3.611	3.828	3.661	3.903	4.802
1994/01	3.597	3.871	3.653	3.823	4.706
1994/02	3.51	3.811	3.582	3.695	4.628
1994/03	3.327	3.859	3.475	3.634	4.573
1994/04	3.482	4.04	3.611	3.602	4.551
1994/05	3.446	3.939	3.552	3.589	4.537

How to find specific time-series data.

- By using the Time-series data search on the BOJ Time-Series Data Search website.

You can retrieve time-series data of a particular statistic -- for example, Call Rates (Monthly) -- using the following procedure.

1. Search by category of statistics

(1) Choose the category of the statistics you are looking for in **Search by statistics**, and then click the link of the statistics displayed under the category and move on to the search by statistics page.

- For the list of items included in each category, go to **Statistics List**.
- For Call Rates (Monthly), choose **Financial Markets** and then click **Short-term Money Market Rates [FM02]** displayed under **Financial Markets**.

BOJ Time-Series Data Search Home page (middle part of screen)

The screenshot shows the 'Statistical data search' page with a search bar and a list of categories. The 'Financial Markets' category is highlighted with an orange box. Below it, the 'Short-term Money Market Rates [FM02]' link is highlighted with an orange dashed box and an orange arrow. A text box on the right says 'Choose the category of the statistics, and then click the link to the statistics.'

Statistical data search

Q Search by statistics [Statistics List](#)

- Interest Rates on Deposits and Loans
- Financial Markets**
 - Uncollateralized Overnight Call Rate(average)(Updated every business day)[FM01]
 - Short-term Money Market Rates[FM02]**
 - Amounts Outstanding in Short-term Money Market[FM03]
 - Amounts Outstanding in the Call Money Market [FM04]
 - Issuance, Redemption, and Outstanding of Public and Corporate Bonds[FM05]
 - Trading of Interest-bearing Government Bonds by Purchaser(Interest-bearing Government Bonds)[FM06]
 - (Reference)Government Bonds Sales Over the Counter/Counter Sales Ratio(through January 2004) [FM07]
 - Foreign Exchange Rates[FM08]
 - Effective Exchange Rate[FM09]
- Payment and Settlement
- Money and Deposits
- Loans
- Balance Sheets of the Bank of Japan and Financial Institutions

Relevant statistics page (in Bank of Japan's website) Notes (in Bank of Japan's website)

(2) The tab at the top of the search by statistics page is initially set at **Data Selection by list of statistics**. A list of items is displayed in the “**Select an item**” box.

(3) In the “**Select an item**” box, highlight the selected item and then click the **Next** button.

- If you select **Short-term Money Market Rates [FM02]** in the previous window, a list of items such as **Call Rate (Monthly)**, **Tokyo Repo Rate (Daily) (through Oct. 26, 2012)**, and **Average Yields on Newly Issued Domestic Commercial Paper (through October 2009)** appears in the box. Select **Call Rate (Monthly)**, and then click the **Next** button.

Search by statistics page (upper part of screen)

BOJ Time-Series Data Search

Beginners' Manual

Statistical data search

Help ?

Bank of Japan's WebSite

▼ Data Selection by list of statistics

> Data Selection by name of series

> Data Selection by series code (partial match search)

Selected items: Short-term Money Market Rates

Select an item.

Call Rate (Monthly)
Tokyo Repo Rate (Daily) (through Oct.26.2012)
Average Yields on Newly Issued Domestic Commercial Paper (through October 2009)
Average Interest Rate on Certificates of Deposit by Maturity (New Issues)
(Reference) Average Interest Rate on Certificates of Deposit (New Issues) Domestically Licensed Bank

Next

Number of items : 5.

Select and highlight item, and then press **Next**. Repeat this process until the list is narrowed down to the time-series data of your search.

(4) The list in the box changes. For more options, repeat the same process and then click the **Next** button to proceed with your search.

(5) Refine your search on the list of time-series data and this will take you to the final selection box where you will find "Select items. (A maximum of up to 250 series can be added.)" Once you have selected all the items, click the **Add to search condition** button.

(6) Information on the selected time-series data will be added to and saved in the **Search and output time-series** box shown at the middle of the page. Once you have selected all necessary time-series data, click the **Search** button at the bottom of the page.

Notes

- Unless specified, the output year range derives data of the past five years for yearly data and the past one year for daily data. To include data of years prior to this range or to shorten the time period, enter the starting year in the left-hand box in the **Output year range** section.
- Information on the selected time-series data will be added to the **Search and output time-series** box in response to the number of clicks to the **Add to search condition** button.

Search by statistics page (upper part of screen)

BOJ Time-Series Data Search

Statistical data search

Help ?

Bank of Japan's WebSite

▼ Data Selection by list of statistics

> Data Selection by name of series

> Data Selection by series code (partial match search)

Selected Items: Short-term Money Market Rates > Call Rate (Monthly)

Select items.(A maximum of up to 250 series can be added.)

* Press both {Shift} and item to select several items.

☐ Select all

☒ FM02'STRECLCOON(Call Rate, Collateralized Overnight (a)/End of Month)

☒ FM02'STRACLCOON(Call Rate, Collateralized Overnight (a)/Average(b))

☐ FM02'STRECLUON(Call Rate, Uncollateralized Overnight/End of Month)

☐ FM02'STRACLUON(Call Rate, Uncollateralized Overnight/Average)

☐ FM02'STRECLUC1W(Call Rate, Uncollateralized 1 Week/End of Month)

Number of items : select 2 / display 12

Add to search condition

Search by statistics page (bottom part of screen)

Search Conditions

1. Search and output time-series

☒ Select all

☒ FM02'STRECLCOON(Call Rate, Collateralized Overnight (a)/End of Month)

☒ FM02'STRACLCOON(Call Rate, Collateralized Overnight (a)/Average(b))

Number of items : search 2 / display 2

* Up to 250 time-series can be processed(Graph:up to 18 time-series)

2. Output year range

From To

Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year).

3. Frequency conversion

New frequency to be converted : Conversion method :

* Some figures may differ from those in other publications as data processing is conducted using digital equipment on this site.

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

List of time-series data selected in the upper part of the search by statistics page.

Enter the output year range. Unless specified, data for the past five years will be displayed (past one year for daily data).

Click to start search.

Select to specify frequency. Unless specified, the frequency already in the database will appear.

(7) After completing search, the selected data will appear in the **Result of search** page. To save the data, click the **Download** button on the right-hand side of the page. To look at the data without downloading them, press **Time-series data**. To download the list of time-series data codes, click the **Save selected series codes** button.

Result of search page

The screenshot shows the 'Result of search' page on the BOJ Time-Series Data Search website. The page has a header with the title 'BOJ Time-Series Data Search' and a link to 'Beginners' Manual'. The main content area is titled 'Result of search' and contains a table with four columns: 'Type of table*', 'Download header type', 'File type', and 'Download'. The 'Type of table*' column has two options: 'Information on time-series(MONTHLY)' and 'Time-series data(MONTHLY)'. The 'Download header type' column has three radio buttons: 'Simple header' (selected), 'Header', and 'No Header'. The 'File type' column has two radio buttons: 'CSV' (selected) and 'TAB'. The 'Download' column has a 'Download' button with a download icon. Annotations with orange boxes and arrows point to these elements: 'Choose Time-series data to look at specific data.' points to 'Time-series data(MONTHLY)'; 'Click to download output data.' points to the 'Download' button; and 'Click to save the list of time-series data codes of your search. If you are to use the same data codes on future visits, you can shorten the search process by using the saved list (see page12 for more information).' points to the 'Save selected series codes' button. Below the table, there is a note about error messages and a 'Close' button. The footer contains links to 'Quick guidance for time-series search', 'Notices', 'Contact', 'Site Map', and 'Bank of Japan's website', along with a copyright notice.

Type of table*	Download header type	File type	Download
<input checked="" type="radio"/> Information on time-series(MONTHLY) <input checked="" type="radio"/> Time-series data(MONTHLY)	<input checked="" type="radio"/> Simple header <input type="radio"/> Header <input type="radio"/> No Header	<input checked="" type="radio"/> CSV <input type="radio"/> TAB	Download

* When error message "Requested file was not produced because of the upper limit of observations" is displayed, reduce the number of time-series or narrow the time range.

[Save selected series codes](#)
[Close](#)

[Quick guidance for time-series search](#)
[Notices](#)
[Contact](#)
[Site Map](#)
[Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

Click to save the list of time-series data codes of your search.
If you are to use the same data codes on future visits, you can shorten the search process by using the saved list (see page12 for more information).

2. Search by keyword(s) (i.e., name of time-series data, such as the effective exchange rate)

- (1) Click **By name of series** -- shown in the middle of the BOJ Time-Series Data Search Home page screen -- and start a search for a specific data out of all data available from the website using keywords.
- You can also find data by using keywords in the **Search by statistics** section. Click the link to the statistics in this section, and then choose **Data Selection by name of series** at the middle of the Home page.

BOJ Time-Series Data Search Home page (middle part of screen)

Statistical data search

Search by statistics [Statistics List](#)

- + Interest Rates on Deposits and Loans
- + Financial Markets
- + Payment and Settlement
- + Money and Deposits
- + Loans
- + Balance Sheets of the Bank of Japan and Financial Institutions
- + Flow of Funds
- + Other Bank of Japan Statistics
- + TANKAN
- + Prices
- + Public Finance
- + Balance of Payments and BIS-Related Statistics
- + Others

: Relevant statistics page (in Bank of Japan's website) : Notes (in Bank of Japan's website)

Search by statistical category and name of series * Search among all time-series data

By name of series Click **By name of series.**

Search by exact series codes * Search among all time-series data

By exact series codes

Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics — Flat Files Download

Go to Flat Files Download

(2) The data selection by name of series page window will open. Enter keyword(s) in the **Keyword in name of series** box, and then click the **Search** button.

Data Selection by name of series page (upper part of screen)

- (3) In the box above the **Add to search condition** button, you will see a list of time-series data that contain keyword(s) that you have entered. Highlight the specific items of the time-series data and click the **Add to search condition** button. Information on the selected time-series data will be added to and saved in the **Search and output time-series** box.

Data Selection by name of series page (middle part of screen)

[Result of search]

Select items from the results.(A maximum of up to 250 series can be added.)

* Press both {Shift} and item to select several items.

☐ Select all

<input checked="" type="checkbox"/>	FM09'FX180110001(Nominal/Effective Exchange Rates)
<input checked="" type="checkbox"/>	FM09'FX180110002(Real/Effective Exchange Rates)
<input type="checkbox"/>	FM09'FXCP7JP((Discontinued)Nominal/Effective Exchange Rates (through January 2010))
<input type="checkbox"/>	FM09'FXCP8JP((Discontinued)Real/Effective Exchange Rates (through January 2010))

Number of items : select 2 / display 4(Shows a maximum of up to 1000 series.)

✓ Add to search condition

Search Conditions

1. Search and output time-series

☒ Select all

<input checked="" type="checkbox"/>	FM09'FX180110001(Nominal/Effective Exchange Rates)
<input checked="" type="checkbox"/>	FM09'FX180110002(Real/Effective Exchange Rates)

Number of items : search 2 / display 2

* Up to 250 time-series can be processed(Graph:up to 18 time-series).

Select items you want to retrieve data contents from the list above, and then click the **Add to search condition** button.

- (4) Continue as shown in pages 6-8.

3. Search by using data codes

This time-saving method is a remedy for repeating searches.

- (1) Choose **By exact series codes** at the middle of the BOJ Time-Series Data Search Home page screen to search for specific data out of all data available from the website using time-series data codes that you have already located.

BOJ Time-Series Data Search Home page (middle part of screen)

Statistical data search

Search by statistics [Statistics List](#)

- + Interest Rates on Deposits and Loans
- + Financial Markets
- + Payment and Settlement
- + Money and Deposits
- + Loans
- + Balance Sheets of the Bank of Japan and Financial Institutions
- + Flow of Funds
- + Other Bank of Japan Statistics
- + TANKAN
- + Prices
- + Public Finance
- + Balance of Payments and BIS-Related Statistics
- + Others

: Relevant statistics page (in Bank of Japan's website) : Notes (in Bank of Japan's website)

Search by statistical category and name of series * Search among all time-series data

- + By name of series

Search by exact series codes * Search among all time-series data

- + **By exact series codes**

[Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics — Flat Files Download](#)

+ Go to Flat Files Download

- (2) The data selection by exact series codes page will open. Enter the data codes correctly in the **Input box for exact series codes**, and then click the **Search** button. Press Enter key for additional data codes. Data codes from a different file can be copied and pasted to the box.

Data Selection by exact series codes page (upper part of screen)

BOJ Time-Series Data Search

Statistical data search

Help

▼ Data Selection by exact series codes

Input box for exact series codes

* For a partial match search, use Data selection by series code (partial match search) at Statistical data search.

* Up to 250 series can be specified. Use one line for each series.

FM09'FX180110001
FM09'FX180110002

Enter data codes, and then click Search.

Search

Select items.

* Press both {Shift} and item to select several items.

☐ Select all

Home Insert Page Layout Formulas Data Tools View Developer Add-ins

File Name: nme_R041_Code.25690.20161125111527.01.csv [読み取り専用] - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K
1	FM09'FX180110001	Nominal/Effective Exchange Rates									
2	FM09'FX180110002	Real/Effective Exchange Rates									
3											
4											
5											
6											
7											
8											
9											

Data codes from a different file can be copied and pasted.

File Name: nme_R041_Code.25690.20161125111527.01.csv

コマンド データの個数: 2 100%

- (3) The **Select items** box will show the data codes that you have entered. Highlight the specified data codes, and then click the **Add to search condition** button. Information on the selected time-series data will be added to the **Search and output time-series** box.

Data Selection by exact series codes page (middle part of screen)

The screenshot displays a web interface for selecting data series. The top section, titled "Select items.", includes a "Search" button and a list of items. Two items are selected and highlighted with orange boxes: "FM09'FX180110001(Nominal/Effective Exchange Rates)" and "FM09'FX180110002(Real/Effective Exchange Rates)". An orange arrow points from a text box to the "Add to search condition" button, which is also highlighted with an orange oval. Below this, the "Search Conditions" section shows the same two items selected under the heading "1. Search and output time-series". Another orange arrow points from a text box to this section.

Select items.
* Press both (Shift) and Item to select several items.

☒ Select all

☒ FM09'FX180110001(Nominal/Effective Exchange Rates)

☒ FM09'FX180110002(Real/Effective Exchange Rates)

Number of items : select 2 / display 2

☒ Add to search condition

Search Conditions

1. Search and output time-series

☒ Select all

☒ FM09'FX180110001(Nominal/Effective Exchange Rates)

☒ FM09'FX180110002(Real/Effective Exchange Rates)

Number of items : search 2 / display 2

Select items you want to retrieve data contents from the list and click the **Add to search condition** button.

Information on the selected time-series data will be added to the box.

- (4) The procedure hereafter is the same as that shown in pages 6-8.

How to conduct an advanced search (i.e, how to find a customized set of time-series data).

- By using the name of the time-series data as keyword(s), you can locate a customized set of data on a specific industry from different categories.

For statistics such as the TANKAN and Flow of Funds -- whose categories are organized systematically -- you can obtain a customized set of data from different categories by combining multiple keywords.

1. TANKAN

In the TANKAN, for example, the name of time-series data regarding the business conditions D.I. of small enterprises in the retailing industry is either "D.I./Business Conditions/Small Enterprises /_Retailing/Actual result" or "D.I./Business Conditions/Small Enterprises/_Retailing/Forecast." By using "D.I.," "Small Enterprises" and "Retailing" as keywords, you can find all D.I. items of "Small Enterprises" and Retailing." The search process is as follows.

- (1) On the **Search by statistics** page at the middle of the BOJ Time-Series Data Search Home page screen, choose **TANKAN**, and then press **TANKAN (CO)** displayed under **TANKAN** to search by statistics page. Then, choose **Data Selection by name of series** at the middle of the Home page.
- (2) Under **Keywords in the name of series**, enter "D.I.," "Small," and "_Retailing" in the box, and then click the **Search** button. Be sure to include a space between each keyword.

Search by statistics page (middle part of screen)

The screenshot shows the BOJ Time-Series Data Search interface. The 'Data Selection by name of series' tab is selected. The search box contains the text 'D.I. Small _Retailing'. The 'Search' button is highlighted with a red circle. An annotation box points to the search box with the text: 'Enter keywords "D.I.," "Small," and "_Retailing" with a space in between each word, and then click Search.'

BOJ Time-Series Data Search

Statistical data search

Help ?

Bank of Japan's WebSite

> Data Selection by list of statistics

▼ Data Selection by name of series

> Data Selection by series code (partial match search)

Keywords in the name of series * Several keywords should be separated by space.

D.I. Small _Retailing

Search

Select items.(A maximum of up to 250 series can be added.)

* Press both {Shift} and item to select several items.

Enter keywords "D.I.," "Small," and "_Retailing" with a space in between each word, and then click Search.

- (3) The box above the **Add to search condition** button will show a list of time-series data that match your keyword(s). By using "D.I.," "Small" and "_Retailing" as keywords, you will see a list of time-series data that contain all D.I. items regarding small enterprises in the retailing industry, for instance, "Business Conditions" as well as "Domestic Supply & Demand Conditions," "Inventory Level of Finished Goods & Merchandise," "Production Capacity," "Employment Conditions," "Financial Position," "Lending Attitude," "Change in Interest Rate on Loans," "Change in Output Prices," "Change in Input Prices," etc.

Search by statistics page (middle part of screen)

The screenshot shows the 'BOJ Time-Series Data Search' interface. At the top, there's a header with the Bank of Japan logo and a 'Beginners' Manual' link. Below the header, the main section is titled 'Statistical data search' with a 'Help' icon. A green button labeled 'Bank of Japan's WebSite' is also present. The search method is set to 'Data Selection by name of series'. The search input field contains the keywords 'D.I. Small _Retailing', and a 'Search' button is next to it. Below the search bar, a message states 'Keywords in the name of series * Several keywords should be separated by space.' The search results are displayed in a list, with the first five items highlighted by an orange box. These items are: 'CO'TK99F2024601GCQ03000(D.I./Business Conditions/Small Enterprises/_Retailing/Actual rest', 'CO'TK99F2024601GCQ13000(D.I./Business Conditions/Small Enterprises/_Retailing/Forecast)', 'CO'TK99F2024602GCQ03000(D.I./Domestic Supply & Demand Conditions/Small Enterprises/_F', 'CO'TK99F2024602GCQ13000(D.I./Domestic Supply & Demand Conditions/Small Enterprises/_F', and 'CO'TK99F2024604GCQ03000(D.I./Inventory Level of Finished Goods & Merchandise/Small Enter'. Below the list, a status bar shows 'Number of items : select 0 / display 21(Shows a maximum of up to 1000 series.)'. At the bottom, there is a large green button labeled 'Add to search condition'.

- (4) Highlight all the time-series data in the box, and then click the **Add to search condition** button. Continue on with the same procedure shown in pages 6-8.

In the TANKAN, you can also find customized sets of data on a specific industry from categories other than the above D.I. items, including Annual Projections (including Sales, Current Profits, and others). An

example of the name of the time-series data regarding sales of small enterprises in the retailing industry (year-to-year percent change/half year) is "Sales/Year-to-year Percent Change/Half Year/Small Enterprises/_Retailing/Actual result." The keywords for searching such time-series data are "Year-to-year Percent Change/Half Year," "Small," and "_Retailing."

2. Flow of Funds

The above search method can also be applied to the Flow of Funds statistics. On the **Search by statistics** page at the middle of the BOJ Time-Series Data Search Home page screen, choose **Flow of Funds (FF)** and continue search. To find the list of time-series data regarding the amount outstanding of financial assets held by individual entities, choose **Data Selection by name of series** using "Assets/Total" and "Stock" as keywords.

How to download data packages of price statistics, Flow of Funds, TANKAN, Balance of Payments, and BIS-Related Statistics.

- By downloading flat files.

From **Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics -- Flat Files Download** at the bottom part of the BOJ Time-Series Data Search Home page screen, choose **Go to Flat Files Download** and move on to the **Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics -- Flat Files Download** page. Then choose the file name to download the file.

Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics -- Flat Files Download page

BOJ Time-Series Data Search Beginners' Manual

Prices, FOF, TANKAN, Balance of Payments, and BIS-Related Statistics -- Flat Files Download

Single-click the right mouse button on a link of statistics, and a menu appear. From this menu, select the command that will save the file (e.g., "Save target as . . .") and then specify the directory into which you want to save the file (e.g., C:¥Temp, A:¥).

Prices	Data List [XLSX 663KB]
Statistics	
Corporate Goods Price Index (CGPI) [ZIP 209KB]	
Producer Price Index using chain-weighted index formula [ZIP 56KB]	
Services Producer Price Index (SPPI) [ZIP 43KB]	
Wholesale Services Price Index [ZIP 2KB]	
Input-Output Price Index of the Manufacturing Industry by Sector (IOPI) [ZIP 786KB]	

Flow of Funds	Specification	Data List [XLS 4MB]
Statistics(* 1)		
Flow of Funds [ZIP 5MB](* 2)		
Flow of Funds (with name of time-series, etc.) [ZIP 2MB]		

(Notes)

1. We provide the Flat Files released on March 2015 onward. Please send us an e-mail (po...
2. The data volume in "fof.zip" Flat Files exceeds the maximum number of rows in Micros...

Click to download data.

Click the **Save** button in the **File Download** window, and specify where to save the file.

II. Graph Drawing

How to view and/or draw graphs of statistical data produced by the BOJ.

1. View and use graphs of "Key figures at a glance"

To view graphs of the latest data, click icons such as **Interest Rates**, **FX**, or **Money Stock** under **Key figures at a glance** at the top of the BOJ Time-Series Data Search Home page screen.

For example, click the **BOP** icon to view a graph image of the Balance of Payments.

BOJ Time-Series Data Search Home page (upper part of screen)

BOJ Time-Series Data Search

[Beginners' Manual](#) [JAPANESE](#)

BOJ's main statistical data

Key figures at a glance

Interest Rates FX Money Stock Prices **BOP** TANKAN

BOJ's main time-series statistics [List of main time-series statistics](#)

+ Interest Rates on Deposits and Loans + Financial Markets + Money and Deposits + Loans

+ Balance Sheets of the Bank of Japan and Financial Institutions + Flow of Funds + TANKAN + Prices + Balance of Payments

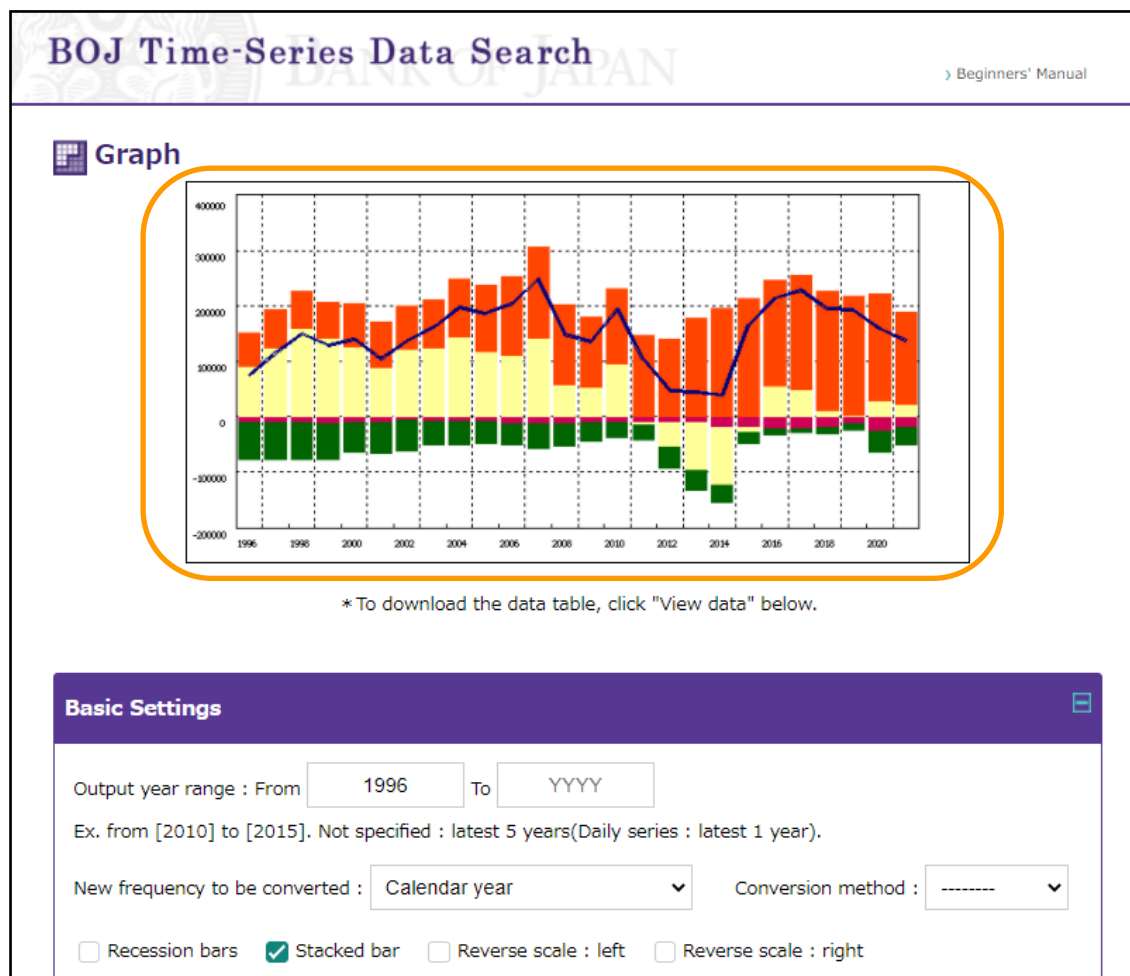
* "BOJ's main time-series statistics" is updated three times on each business day at around 9:00, 12:00, and 15:00 JST. If you wish to obtain the latest data immediately after the release and before these update times, please find them through the "search by statistics" below.

Statistical data search

Search by statistics [Statistics List](#)

Click to view graph image.

Graph page (upper part of screen)



→ To redraw this graph, see page 28.

→ To print this graph, see page 49.

→ To check information and data regarding this graph, see page 52.

2. Draw graphs of your customized set of time-series data

You can draw graphs using any time-series data from the BOJ Time-Series Data Search website.

This can be done by using either of the following two ways: (i) select a list of time-series data, and then click to display a default graph image from the search by statistics page or (ii) search further on for selected time-series data and refine your search on the data before displaying a graph image.

- The following explanation is for data search by statistics. For ways to select a list of time-series data, see "How to find specific time-series data" on page 4.

A. Display a default graph image from the search by statistics page

(1) Choose the statistics you are looking for in the **Search by statistics** section.

BOJ Time-Series Data Search Home page (middle part of screen)

The screenshot shows the BOJ Time-Series Data Search Home page. At the top, there is a section titled "BOJ's main time-series statistics" with a link to "List of main time-series statistics". Below this, there are several categories of statistics: Interest Rates on Deposits and Loans, Financial Markets, Money and Deposits, Loans, Balance Sheets of the Bank of Japan and Financial Institutions, Flow of Funds, TANKAN, Prices, and Balance of Payments. A note states: "BOJ's main time-series statistics" is updated three times on each business day at around 9:00, 12:00, and 15:00 JST. If you wish to obtain the latest data immediately after the release and before these update times, please find them through the "search by statistics" below.

Below the statistics list, there is a "Statistical data search" section. Under "Search by statistics", there is a "Statistics List" link. The list includes: Interest Rates on Deposits and Loans, Financial Markets, Payment and Settlement, Money and Deposits, Loans, Balance Sheets of the Bank of Japan and Financial Institutions, Flow of Funds, Other Bank of Japan Statistics, TANKAN, Prices, Public Finance, Balance of Payments and BIS-Related Statistics, Balance of Payments[BP01], BIS International Locational Banking Statistics and International Consolidated Banking Statistics in Japan[BIS] (Explanation of series code), Regular Derivatives Market Statistics in Japan[DER], and Others.

Annotations on the screenshot include:

- An orange box labeled "Choose the statistics." with an arrow pointing to the "Statistical data search" section.
- An orange box labeled "For example, click **Balance of Payments [BP01]** to draw graph." with an arrow pointing to the "Balance of Payments[BP01]" item in the "Statistics List".

(2) In the search by statistics page, set the conditions for the time-series data for your graph.

- Unless specified, the frequency of the graph will be the same as that of the time-series data already in the database. In the case where the time-series data you choose differ in frequency, make sure to use the same frequency for all time-series data.

(3) Click the **Graph** button.

Search by statistics page (bottom part of screen)

The screenshot shows the 'Search Conditions' section of a web interface. At the top is a button 'Add to search condition'. Below is the 'Search Conditions' header. Under '1. Search and output time-series', there is a 'Select all' checkbox and a list of three items, each with a checked checkbox: 'BP01'BPBP6JYN CB(Current account/Net balance)', 'BP01'BPBP6JYN TB(Goods/Net balance)', and 'BP01'BPBP6JYN PIN(Primary income/Net balance)'. An arrow points from a text box '1) Confirm the list of names of the time-series data of your search.' to this list. Below this is 'Number of items : search 3 / display 3' and a note '* Up to 250 time-series can be processed(Graph:up to 18 time-series)'. Under '2. Output year range', there are 'From' and 'To' input fields with values '2015' and '2021' respectively. An arrow points from a text box '2) Enter year range.' to these fields. Below is an example: 'Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year)'. Under '3. Frequency conversion', there are two dropdown menus: 'New frequency to be converted : -----' and 'Conversion method : -----'. An arrow points from a text box '3) Specify frequency.' to the first dropdown. At the bottom are three buttons: 'Search', 'Graph', and 'Clear'. The 'Graph' button is circled, and an arrow points from a text box '4) Click Graph.' to it. At the very bottom, there is a footer with links: 'Quick guidance for time-series search', 'Notices', 'Contact', 'Site Map', and 'Bank of Japan's website', followed by 'Copyright Bank of Japan All Rights Reserved.'

1) Confirm the list of names of the time-series data of your search.

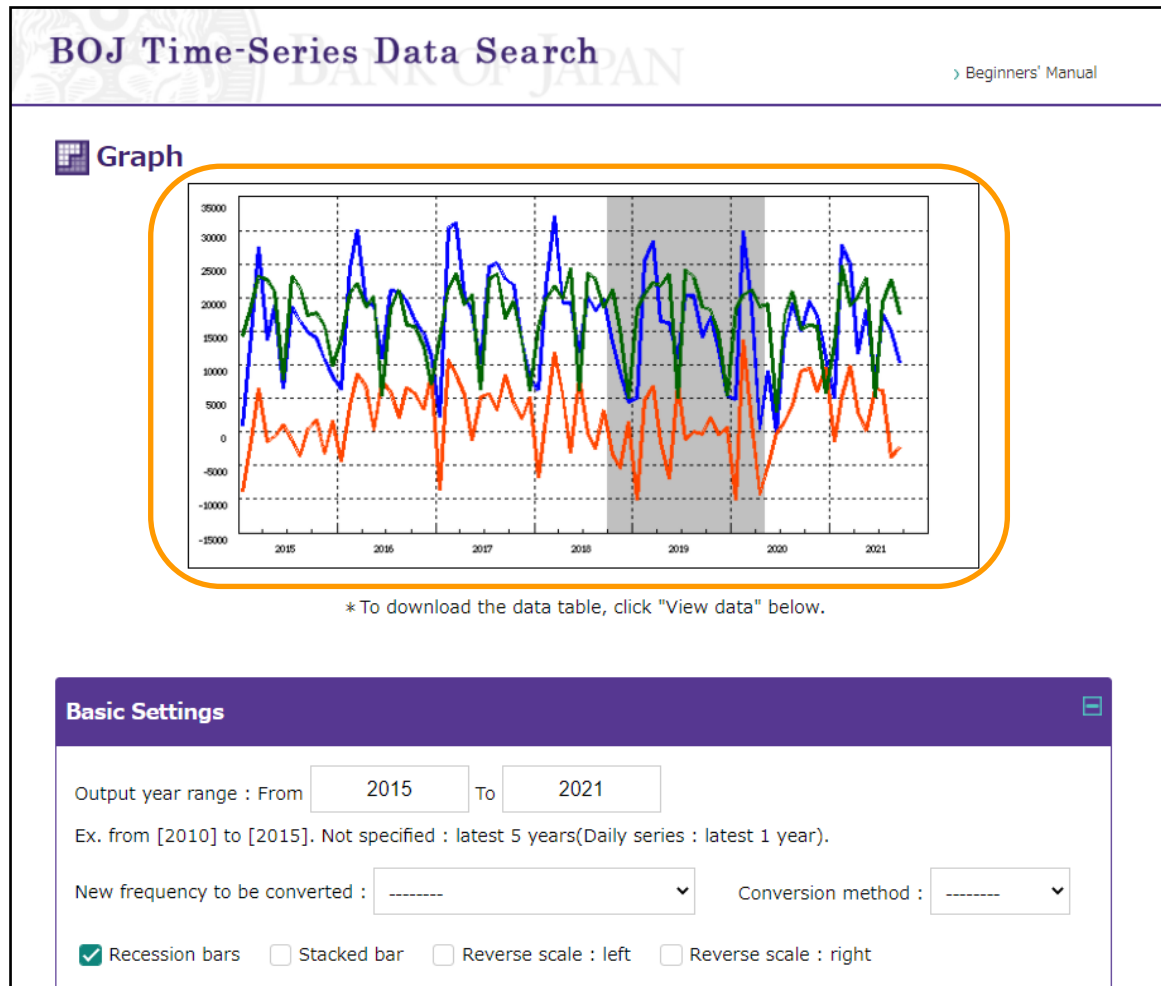
2) Enter year range.

3) Specify frequency.

4) Click **Graph**.

(4) Graphs of selected time-series data will be displayed in a preformatted style.

Graph page (upper part of screen; displaying three line graphs)



→ To redraw this graph, see page 28.

B. Display a graph image after selecting data

- (1) Click the link to the statistic you are looking for in the **Search by statistics** section and go to the search by statistics page.
- (2) In the search by statistics page, set the conditions for the time-series data for your graph.
 - Unless specified, the frequency of the graph will be the same as that of the time-series data already in the database. In the case where the time-series data you choose differ in frequency, make sure to use the same frequency for all time-series data.
- (3) Click the **Search** button.

Search by statistics page (bottom part of screen)

The screenshot shows the bottom part of the 'Search by statistics' page. At the top, there is a button labeled 'Add to search condition'. Below this is the 'Search Conditions' section, which includes three main parts: 1. Search and output time-series, 2. Output year range, and 3. Frequency conversion. Each part has specific input fields and checkboxes. Annotations with arrows point to these sections, numbered 1 through 4. Annotation 1 points to the list of time-series data. Annotation 2 points to the year range input fields. Annotation 3 points to the frequency conversion dropdowns. Annotation 4 points to the 'Search' button.

1) Confirm the list of names of the time-series data you are looking for.

2) Enter year range.

3) Specify frequency.

4) Click **Search**.

Search Conditions

1. Search and output time-series

☒ Select all

<input checked="" type="checkbox"/> BP01'BPBP6JYNCB(Current account/Net balance)
<input checked="" type="checkbox"/> BP01'BPBP6JYNTB(Goods/Net balance)
<input checked="" type="checkbox"/> BP01'BPBP6JYNPIN(Primary income/Net balance)

Number of items : search 3 / display 3

* Up to 250 time-series can be processed(Graph:up to 18 time-series).

2. Output year range

From To

Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year).

3. Frequency conversion

New frequency to be converted : Conversion method :


* Some figures may differ from those in other publications as data processing is conducted using digital equipment on this site.

- (4) In the **Result of search** window, choose **Information on time-series** to check information on the selected time-series data or **Time-series data** to check the selected time-series data. After specifying data, click the **Graph** button.

Result of search page

BOJ Time-Series Data Search

[Beginners' Manual](#)

 **Result of search**

[Help ?](#)

Type of table*	Download header type	File type	Download
<div><div><div>Information on time-series(MONTHLY)</div><div>Time-series data(MONTHLY)</div></div></div>	<div><div><input checked="" type="radio"/> Simple header</div><div><input type="radio"/> Header</div><div><input type="radio"/> No Header</div></div>	<div><div><input checked="" type="radio"/> CSV</div><div><input type="radio"/> TAB</div></div>	<div><div>Download</div></div>

* When error message "Requested file was not produced because of the upper limit of observations" is displayed, reduce the number of time-series or narrow the time range.

[Save selected series codes](#)

[Close](#)

[Quick guidance for time-series search](#)

[Notices](#)

[Contact](#)

[Site Map](#)

[Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

Click either link.

Information on time-series data page (upper part of screen)

Beginners' Manual

Information on time-series data

Time-series data **Graph** Back Help

Select or uncheck the box next to the series codes, and then click **Graph**. Only graphs of the selected time-series data will be displayed.

* To show time-series as graph, click on the corresponding checkbox(up to 18 time-series).

<input checked="" type="checkbox"/> Series code	BP01'BPBP6JYNCB
Name of time-series	Current account/Net balance
Statistical category	Balance of Payments (Data Based on the BPM6)
Frequency	MONTHLY
Conversion method	SUMMED
Last update	2021/11/09
Unit	100 million Yen
Start of the time-series	1996/01
End of the time-series	2021/09
Notes	

Time-series data page (upper part of screen)

BOJ Time-Series Data Search

Time-series data

Information on time-series data **Graph** Back Help

Select or uncheck the box next to the series codes, and then click **Graph**. Only graphs of the selected time-series data will be displayed.

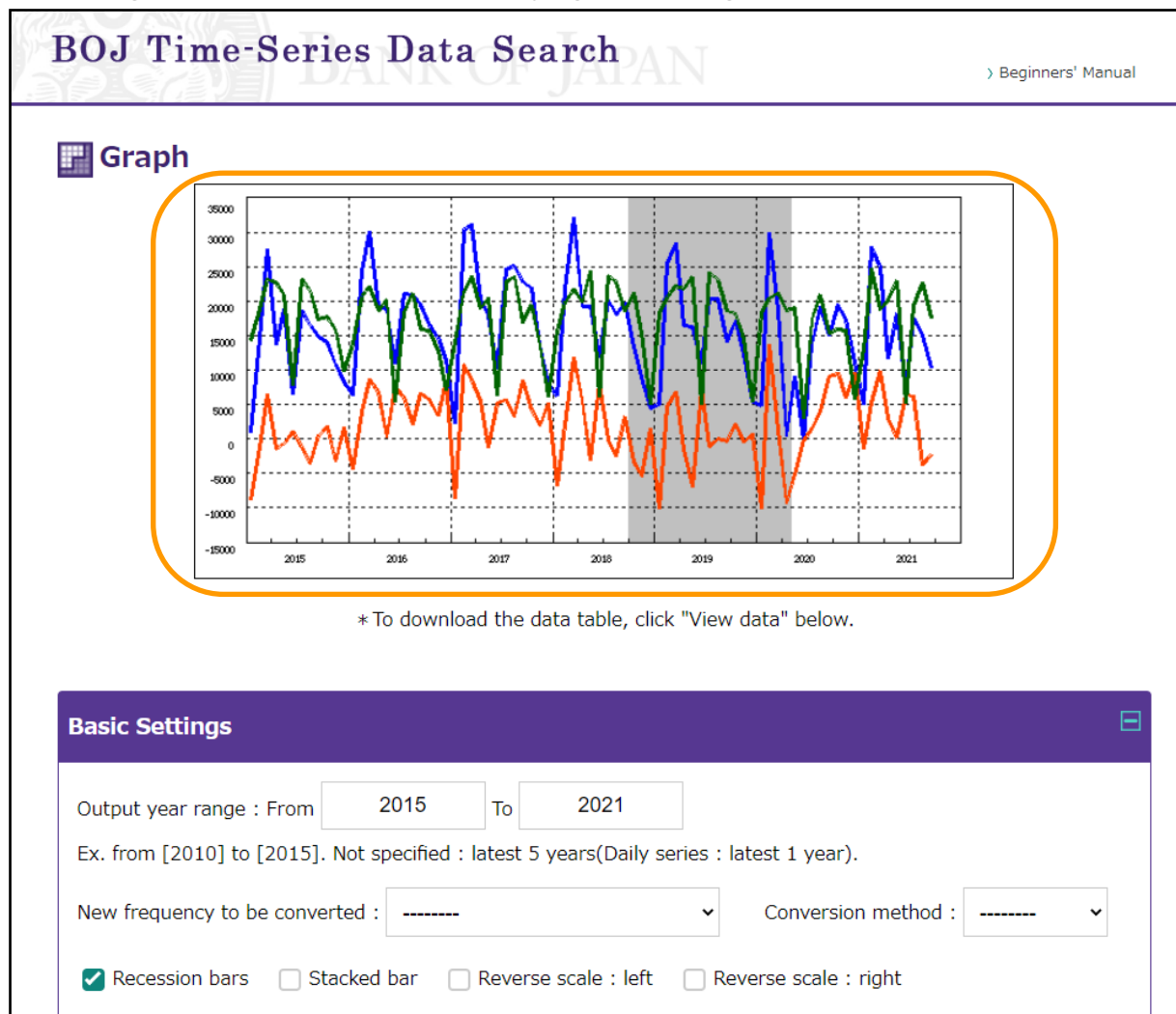
* To show time-series as graph, click on the corresponding checkbox(up to 18 time-series).

	<input checked="" type="checkbox"/> BP01'BPBP6JYNCB Current account/Net balance	<input checked="" type="checkbox"/> BP01'BPBP6JYNTB Goods/Net balance	<input checked="" type="checkbox"/> BP01'BPBP6JYNPIN Primary income/Net balance
2015/01	929.66535866	-8833.2123078	14315.17804415
2015/02	14660.06336511	-1317.03908855	18802.2450386
2015/03	27519.26268973	6477.92366804	23196.87287484
2015/04	13717.85960308	-1494.94421331	22665.36337686
2015/05	18813.68940562	-564.05885471	20795.27386665
2015/06	6587.33651824	1006.6339384	7865.37341557
2015/07	18482.78059089	-1235.2497891	23157.79287201

These two pages can be switched by clicking either the **Time-series data** button or **Information on time-series data** button.

(5) Graphs of the selected time-series data will be displayed in a preformatted style.

Graph page (upper part of screen; displaying three line graphs)



3. Redraw graphs

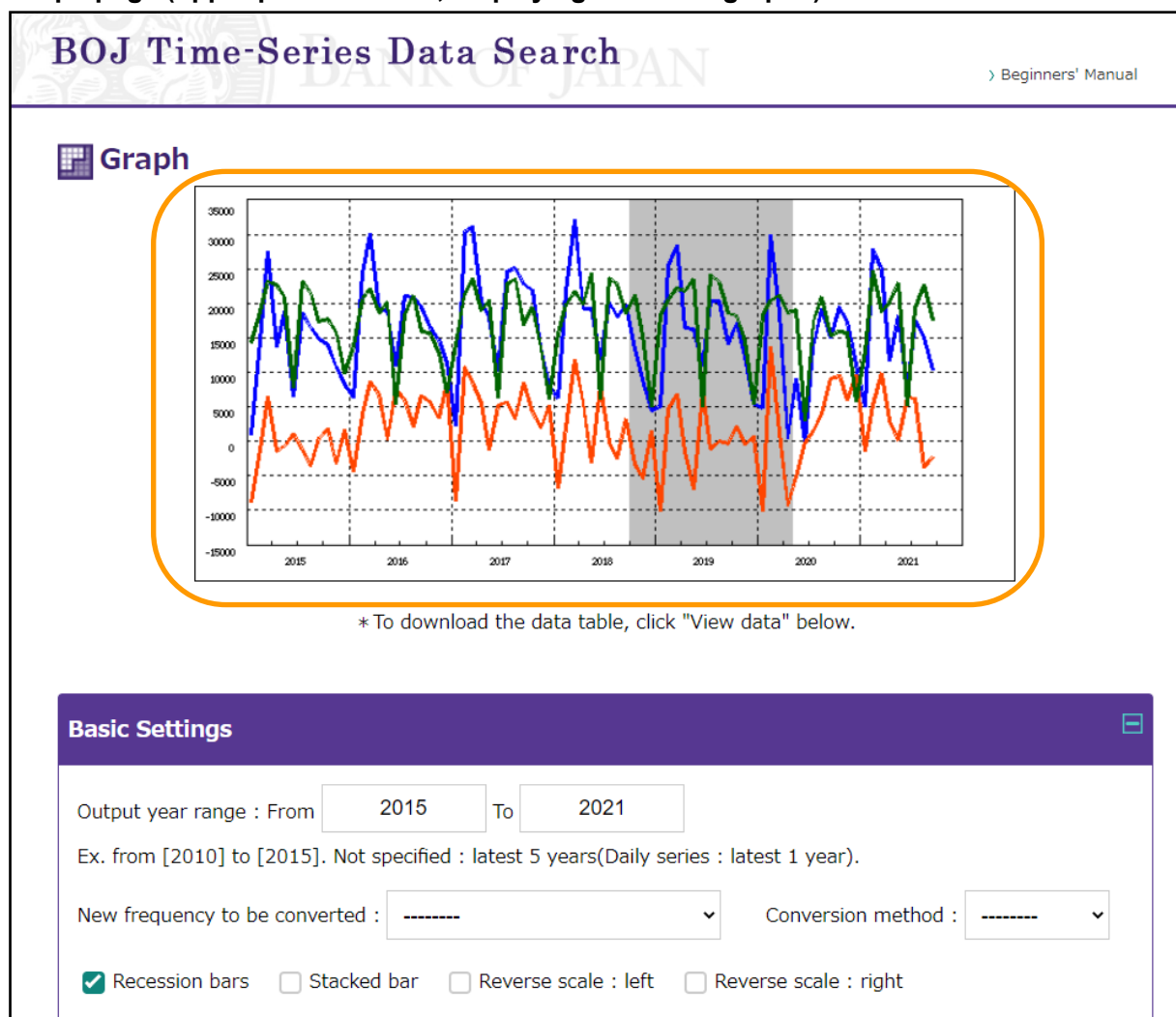
You can redraw graphs illustrated in **Key figures at a glance** as shown on page 19, or for your customized set of time-series data as shown on page 21.

A. Change type of graph

To change the type of graph, go to **Basic settings** and/or **Time-series settings**.

The example below shows how to change "three line graphs" to "one line graph and two bar graphs."

Graph page (upper part of screen; displaying three line graphs)



- (1) In the **Time-series settings** section, change the **Graph type** of the two selected items, **Goods/Net balance** and **Primary income/Net balance**, from **Line** to **Bar** from the drop-down menu. After making the change, click the **Redraw** button.

Graph page (bottom part of screen)

Difference : -----

Goods/Net balance Remove

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : **Bar** Scale : Left Color : ■

Difference : -----

Primary income/Net balance Remove

[Balance of Payments (Data Based on the BPM6)]

Graph type : **Line** Scale : Left Color : ■

Line style : **Bar** Line width : Normal Mark type : -----

Difference : -----

Redraw Add View data Print

☒ Print graph settings

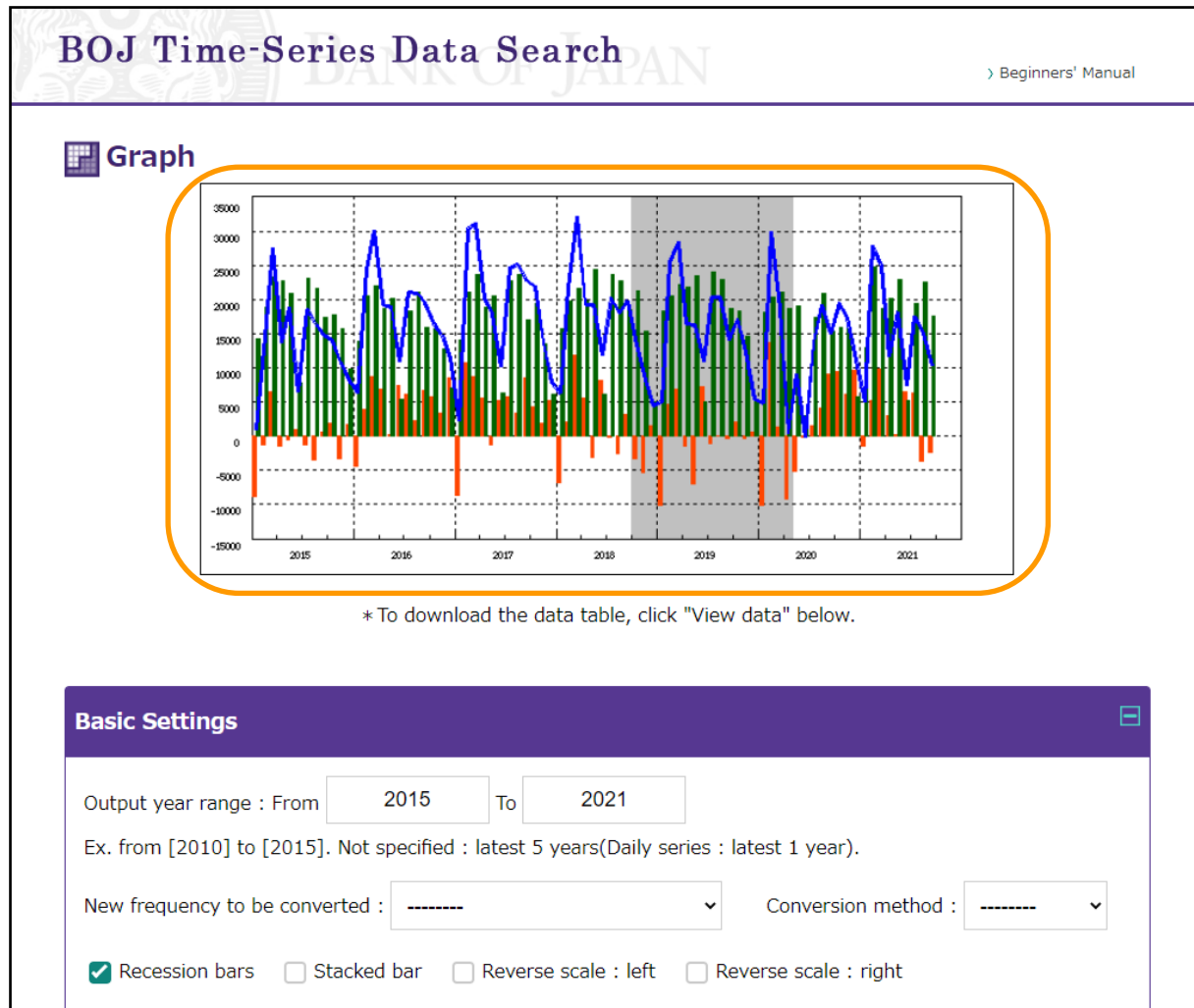
Click **Redraw**.

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

(2) The two line graphs will be changed into two bar graphs.

Graph page (upper part of screen; displaying one line graph and two bar graphs)



- For bar graphs, scales are automatically set with numbers on the left vertical axis. Bar graphs are displayed from left to right, starting from top to bottom in the **Time-series settings** section.

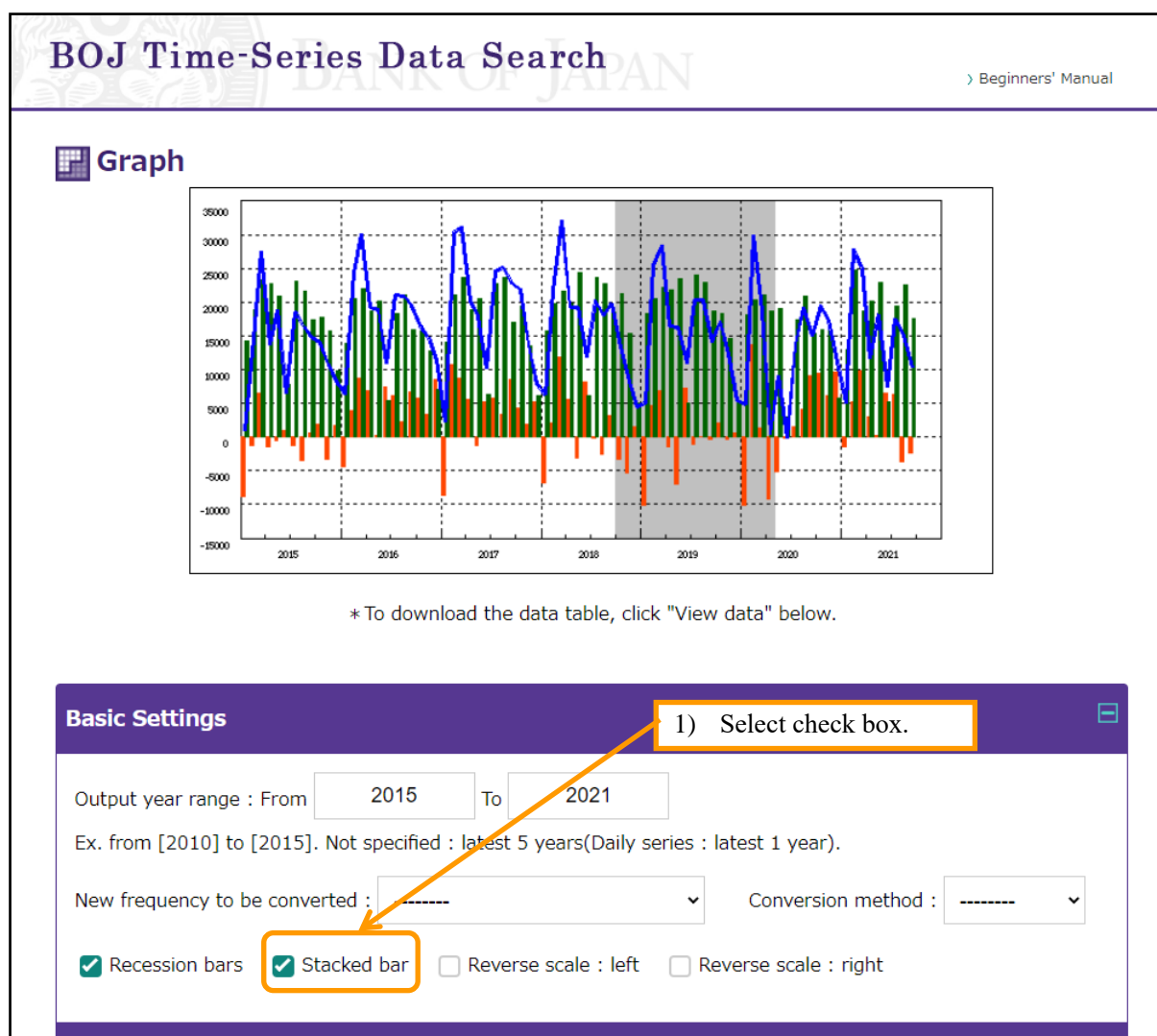
The next example shows how to change from "one line graph and two bar graphs" to "one line graph and one stacked bar graph."

(1) Select the **Stacked bar** check box in the **Basic settings** section.

- You can choose up to eight time-series data to draw stacked bar graphs.

(2) Click the **Redraw** button.

Graph page (upper part of screen; displaying one line graph and two bar graphs)



Graph page (bottom part of screen)

Primary income/Net balance

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove

Graph type : Bar Scale : Left Color : ■

Difference : -----

2) Click **Redraw**.

Redraw Add View data Print

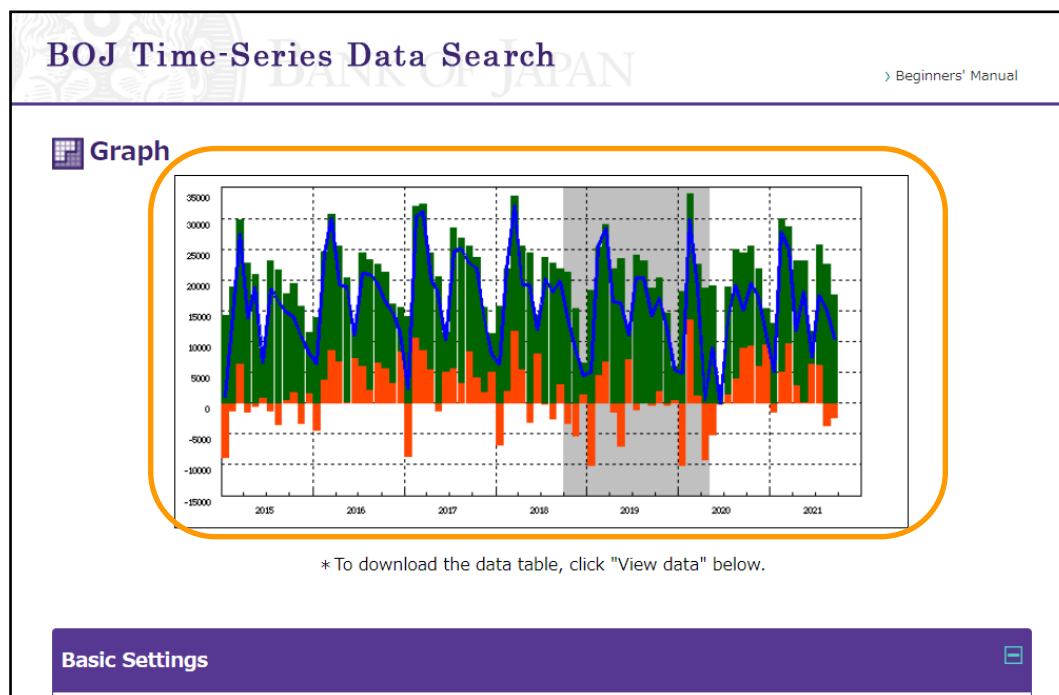
☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

- (3) The two bar graphs will be combined and changed into a stacked bar graph, stacked from bottom to top in the order of time-series data listed in the **Time-series settings** section.

Graph page (upper part of screen; displaying one line graph and one stacked bar graph)

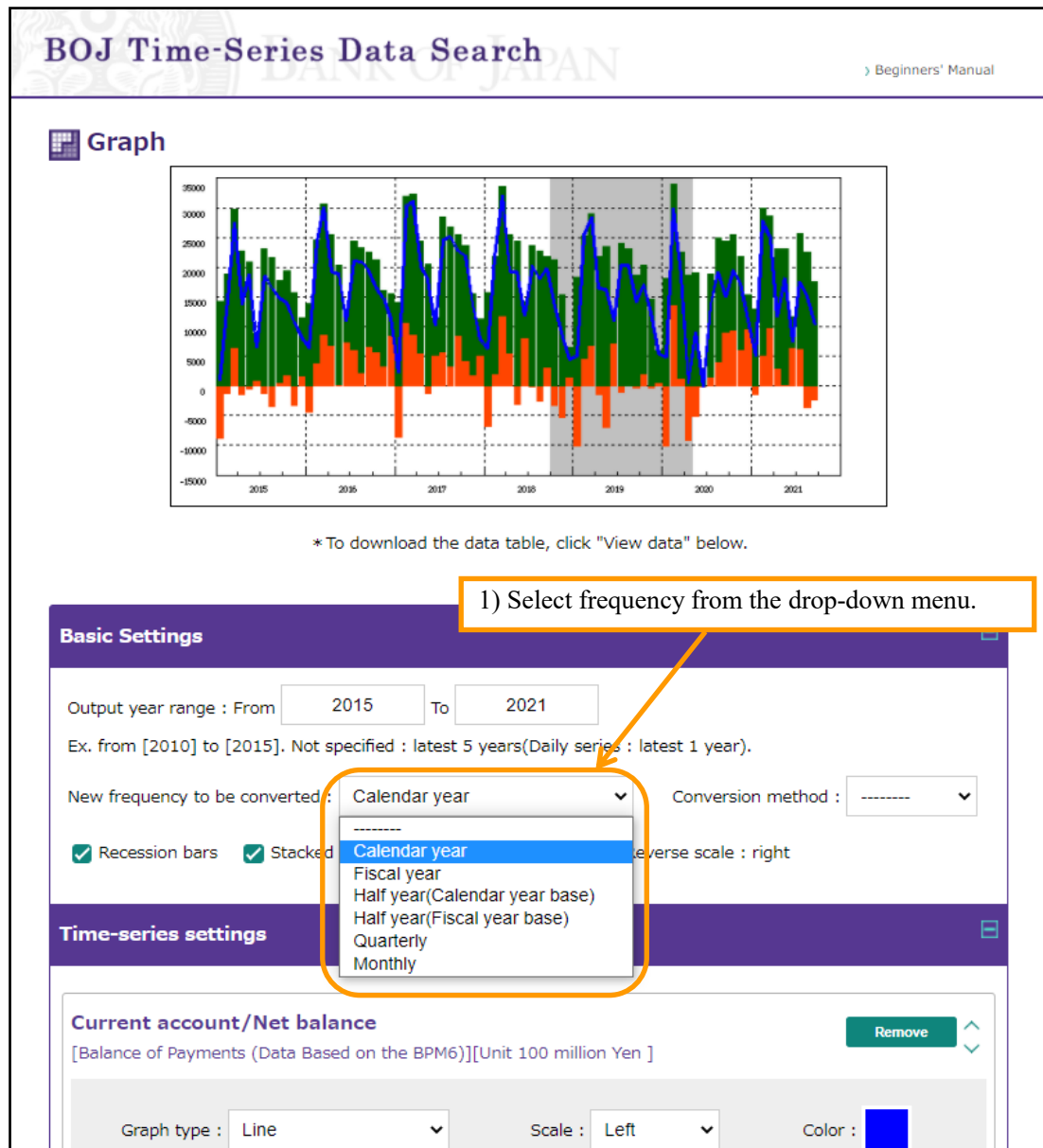


B. Change frequency of graph

To change the frequency of your graph, go to the **Basic settings** section.

- (1) From the drop-down menu for **New frequency to be converted**, select a new frequency.
- (2) Click the **Redraw** button.

Graph page (upper part of screen; displaying monthly data)



Graph page (bottom part of screen)

Primary income/Net balance

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove

Graph type : Bar Scale : Left Color : ■

Difference : -----

2) Click **Redraw**.

Redraw Add View data Print

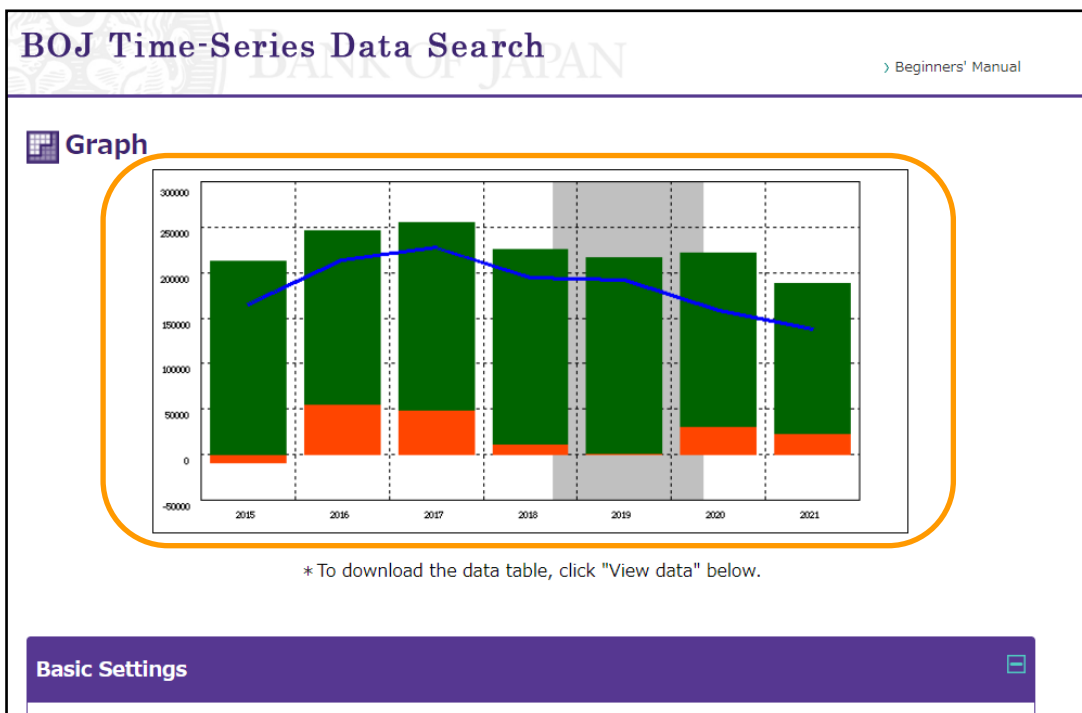
☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

(3) A graph with a new frequency will be displayed. Here, the frequency is changed from **Monthly** to **Yearly (calendar year)**.

Graph page (upper part of screen; switch to calendar year data)



C. Add new time-series data

You can add new time-series data to your graph by selecting items from all statistics available on the BOJ Time-Series Data Search website.

(1) In the **Graph** page, click the **Add** button.

Graph page (bottom part of screen)

The screenshot displays the bottom section of the BOJ Time-Series Data Search Graph page. At the top, there are global settings: Line style (Solid), Line width (Normal), Mark type (dashed), and Difference (dashed). Below this, two data series are listed:

- Goods/Net balance**: [Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]. It has a Remove button and expand/collapse arrows. Its settings are Graph type: Bar, Scale: Left, Color: Red, and Difference: dashed.
- Primary income/Net balance**: [Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]. It also has a Remove button and expand/collapse arrows. Its settings are Graph type: Bar, Scale: Left, Color: Green, and Difference: dashed.

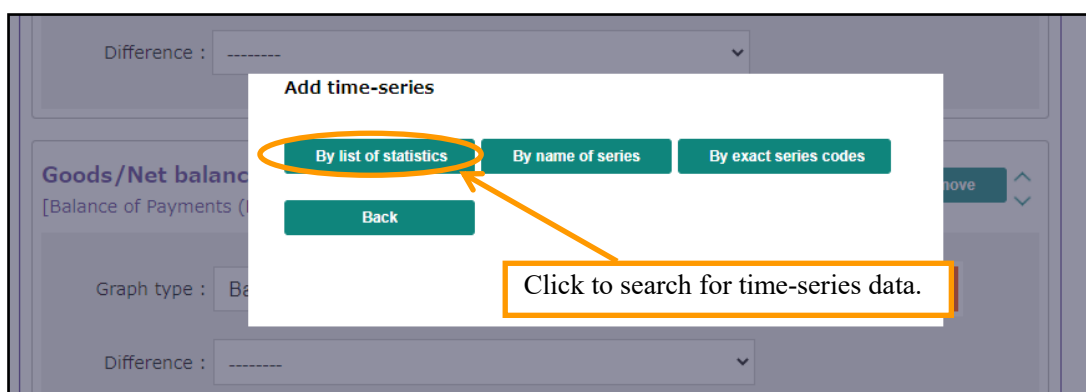
At the bottom, a dark blue bar contains four buttons: Redraw, Add, View data, and Print. The 'Add' button is circled in orange, and an orange arrow points to it from a yellow box containing the text 'Click to start.' Below the buttons is a checkbox labeled 'Print graph settings' which is checked.

Footer links include: Quick guidance for time-series search, Notices, Contact, Site Map, and Bank of Japan's website. Copyright Bank of Japan All Rights Reserved.

(2) The **Add time-series** window will open. Choose the search method for the additional time-series data.

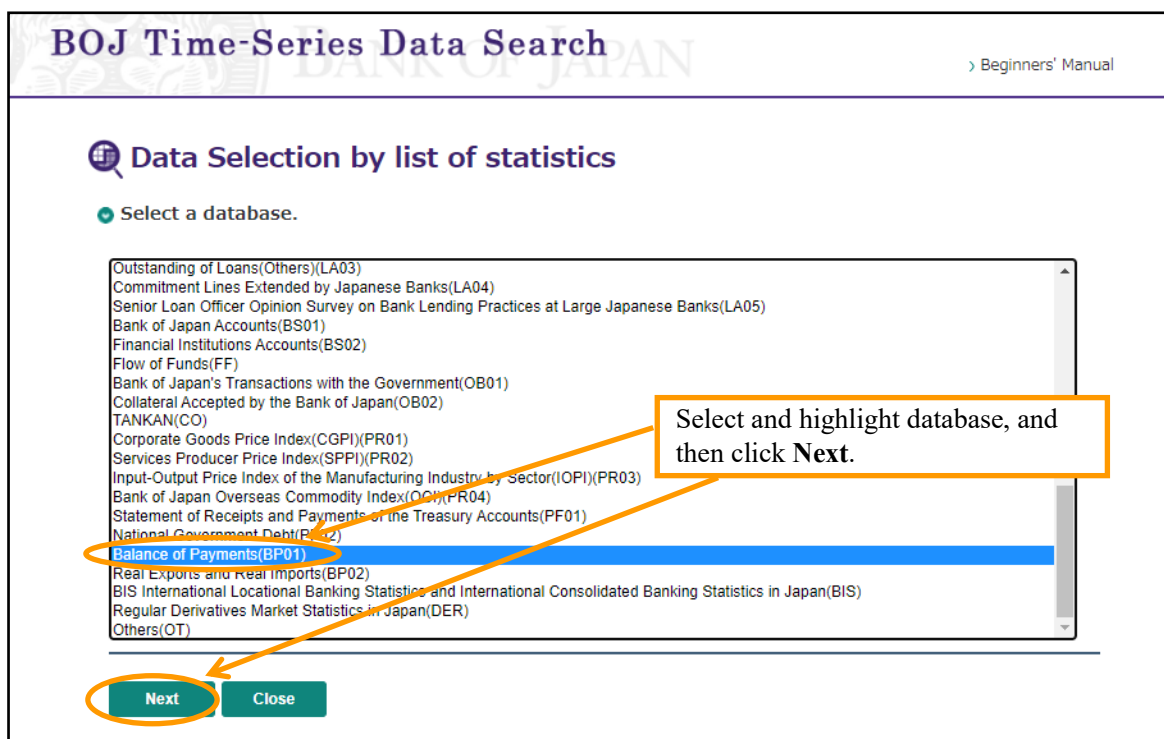
- Time-series data can be searched by: list of statistics, name of series, and exact series codes. The explanation below employs the search by list of statistics method.

Add time-series window



(3) In the **Data Selection by list of statistics** window, select and highlight the database -- that includes the time series you are looking for -- and then click the **Next** button.

Data Selection by list of statistics window (graph)



- (4) Select and highlight the item in the time-series data, and then click the **Add** button. Once information on the selected item is transferred to the **Graph** page, a message will tell you that the data transfer was successful.
- Differences in frequencies of the newly added time-series data and the time-series data already included in the **Graph** page will be automatically converted to the longest frequency.

Data Selection by list of statistics window (graph)

The screenshot shows a web application window titled "Select items(up to 18 time-series)". It contains a list of 111 items, each with a unique ID and a description. The first item, "BP01BPBP6JYNSN(Services/Net balance)", is highlighted. Below the list is a "Select all items" button. At the bottom of the window are three buttons: "Add", "Back", and "Close". The "Add" button is circled in orange. A message box titled "Web ページからのメッセージ" is overlaid on the right side of the window. It contains the text: "Data Selection" has been successful. To close the data selection window, please click on "OK". The "OK" button is circled in orange. Two orange arrows point from the "Add" button to the "OK" button. One arrow points from the "OK" button to a text box at the bottom right, and another arrow points from the "OK" button to a text box at the bottom left.

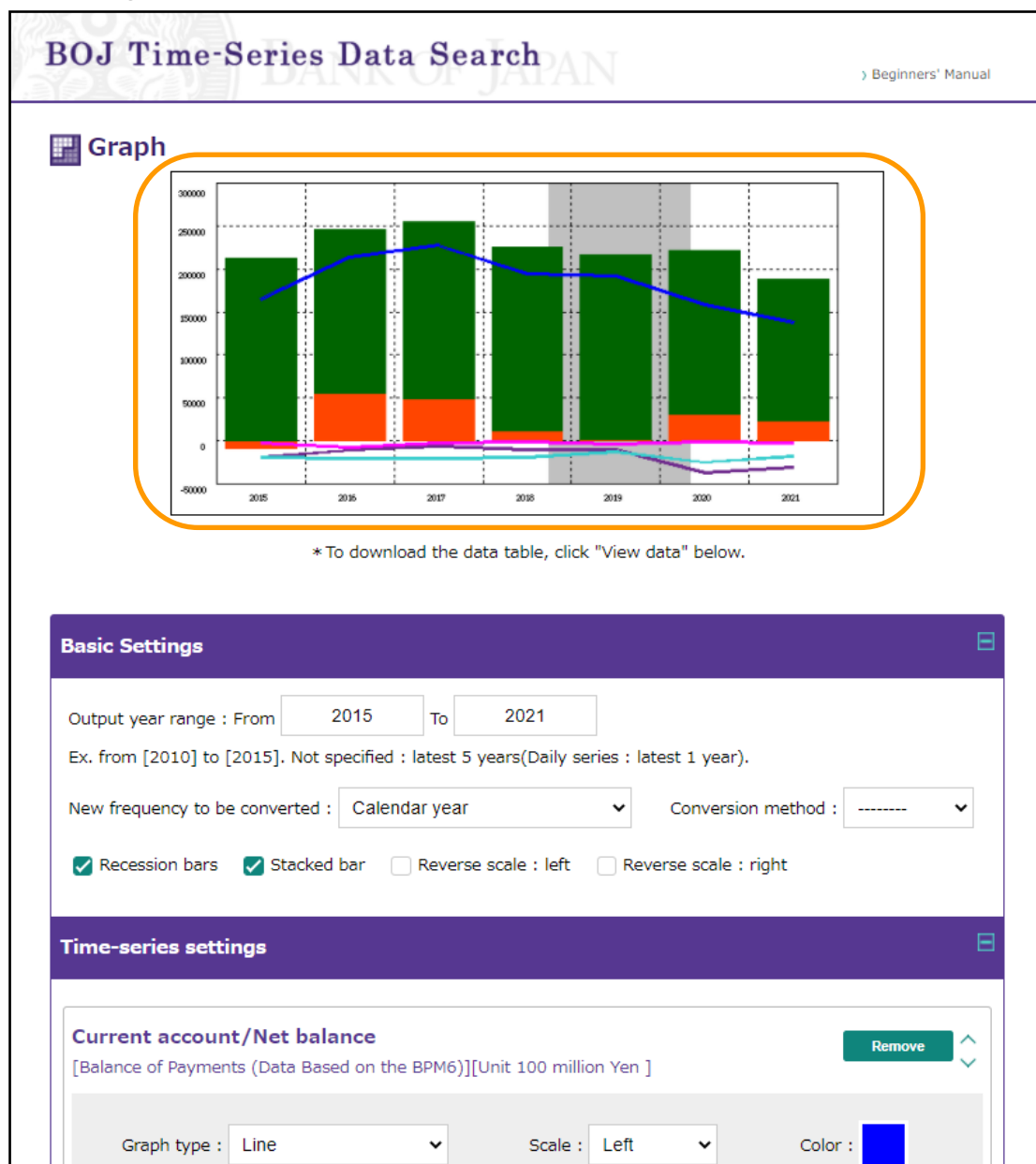
Select and highlight the item, and then click **Add**.

Click to close the **Data Selection by list of statistics** window, and then return to the **Graph** page.

Click to return to the **Data Selection by list of statistics** window, and then add more time-series data.

(5) In the **Graph** page, the default newly added time-series data will appear as line graphs.

Graph page (upper part of screen)



- (6) Confirm information on the newly added time-series data listed at the bottom of the **Time-series settings** section.

Graph page (bottom part of screen)

The screenshot displays the 'Graph page (bottom part of screen)' with three data series settings. Each series is represented by a card with a title, subtitle, and a set of configuration options. The cards are: 'Services/Net balance' (purple), 'Secondary income /Net balance' (teal), and 'Capital account/Net balance' (pink). Each card has a 'Remove' button and a 'Print graph settings' checkbox. The 'Print graph settings' checkbox is checked.

Services/Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line Scale : Left Color :

Line style : Solid Line width : Normal Mark type : —

Difference : -----

Secondary income /Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line Scale : Left Color :

Line style : Solid Line width : Normal Mark type : —

Difference : -----

Capital account/Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line Scale : Left Color :

Line style : Solid Line width : Normal Mark type : —

Difference : -----

Redraw Add View data Print

☒ Print graph settings

- (7) To combine two of the three newly added time-series data -- currently shown in two separate line graphs -- into a stacked bar graph, change the **Graph type** from **Line** to **Bar** using the drop-down menu. Make sure that the **Stacked bar** check box in the **Basic settings** section is selected.

Graph page (middle part of screen)

Basic Settings

Output year range : From To Select and check box.

Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year).

New frequency to be converted : Conversion method :

☒ Recession bars ☒ **Stacked bar** ☐ Reverse scale : left ☐ Reverse scale : right

Time-series settings

Graph page (middle part of screen)

Services/Net balance Remove ^ v

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Scale : Color :

Difference :

Secondary income /Net balance Remove ^ v

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Scale : Color :

Difference :

Capital account/Net balance Remove ^ v

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Scale : Color :

(8) After changing the type of graph, click the **Redraw** button.

Graph page (bottom part of screen)

Capital account/Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line Scale : Left Color : ■

Line style : Solid Line width : Normal Mark type : —

Difference : -----

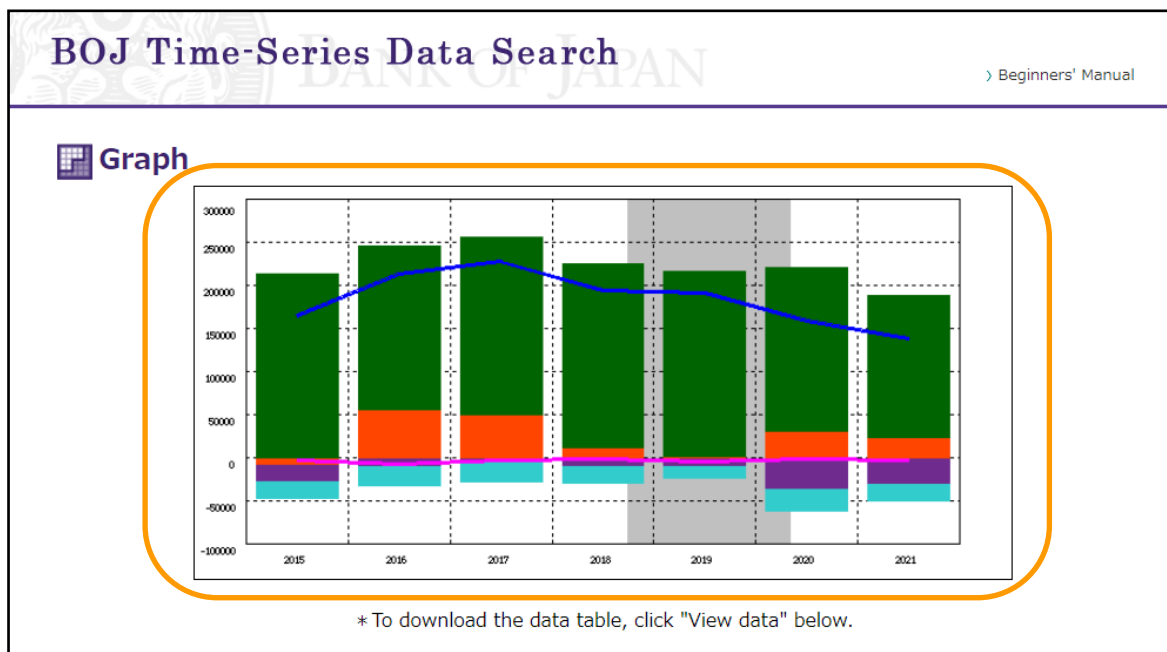
Click Redraw.

Redraw Add View data Print

☒ Print graph settings

(9) The **Graph** page will have two line graphs and one stacked bar graph.

Graph page (upper part of screen; displaying two line graphs and one stacked bar graph)

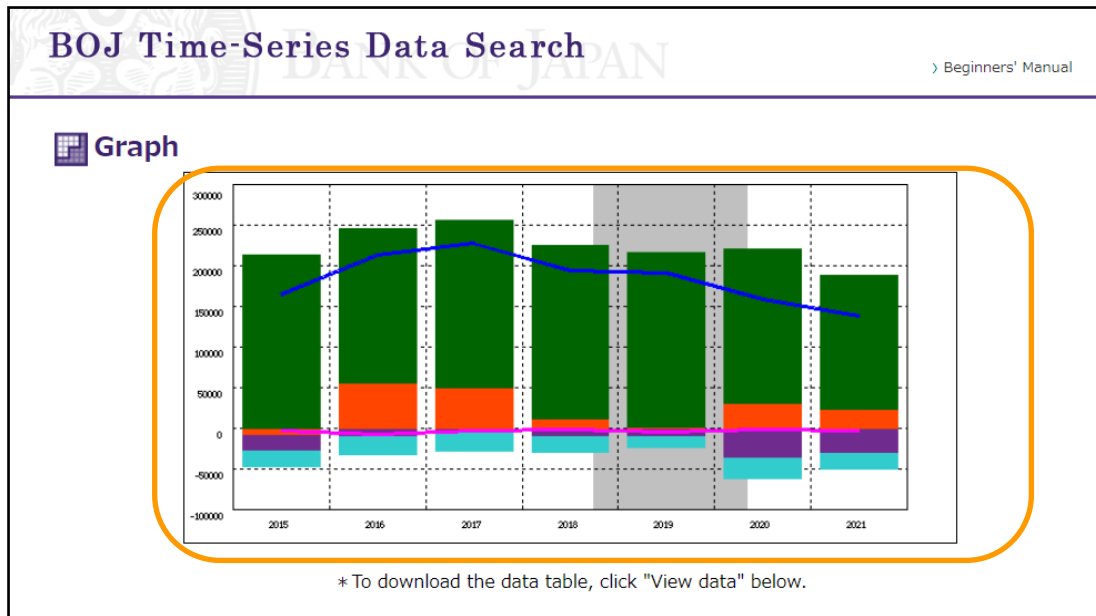


D. Remove time-series data

Time-series data can be removed from your list of customized set of data and graph image.

Given below is an example of removing a time-series item shown in one line graph.

Graph page (upper part of screen; displaying two line graphs and one stacked bar graph)



- (1) In the **Time-series settings** section, click the **Remove** button in the time-series item to delete the item (in this case, the last line graph).

Graph page (bottom part of screen)

Capital account/Net balance
[Balance of Payments (Data Based on the BPM6)][Unit :]

Click to remove item.

Remove

Graph type : Line Scale : Left Color :

Line style : Solid Line width : Normal Mark type :

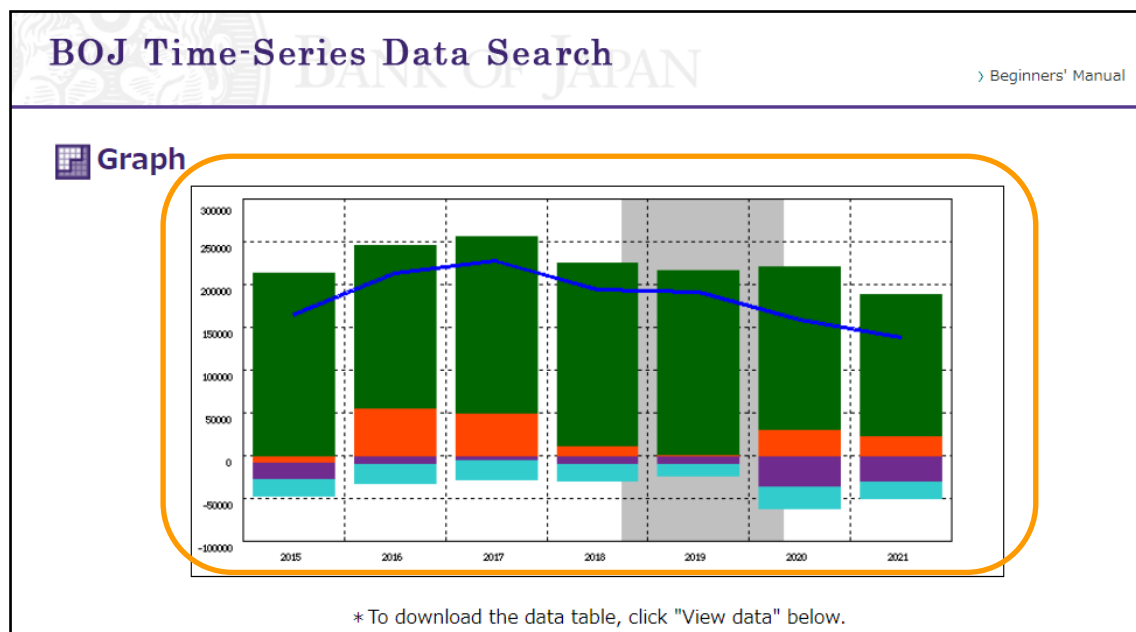
Difference :

Redraw Add View data Print

☒ Print graph settings

- (2) Make sure that the selected time-series item has been removed from the list in the **Time-series settings** section and the line graph deleted from the **Graph** page.

Graph page (upper part of screen; displaying one line graph and one stacked bar graph)



Graph page (bottom part of screen)

Difference : -----

Secondary income /Net balance Remove

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Bar Scale : Left Color : ■

Difference : -----

Redraw Add View data Print

☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

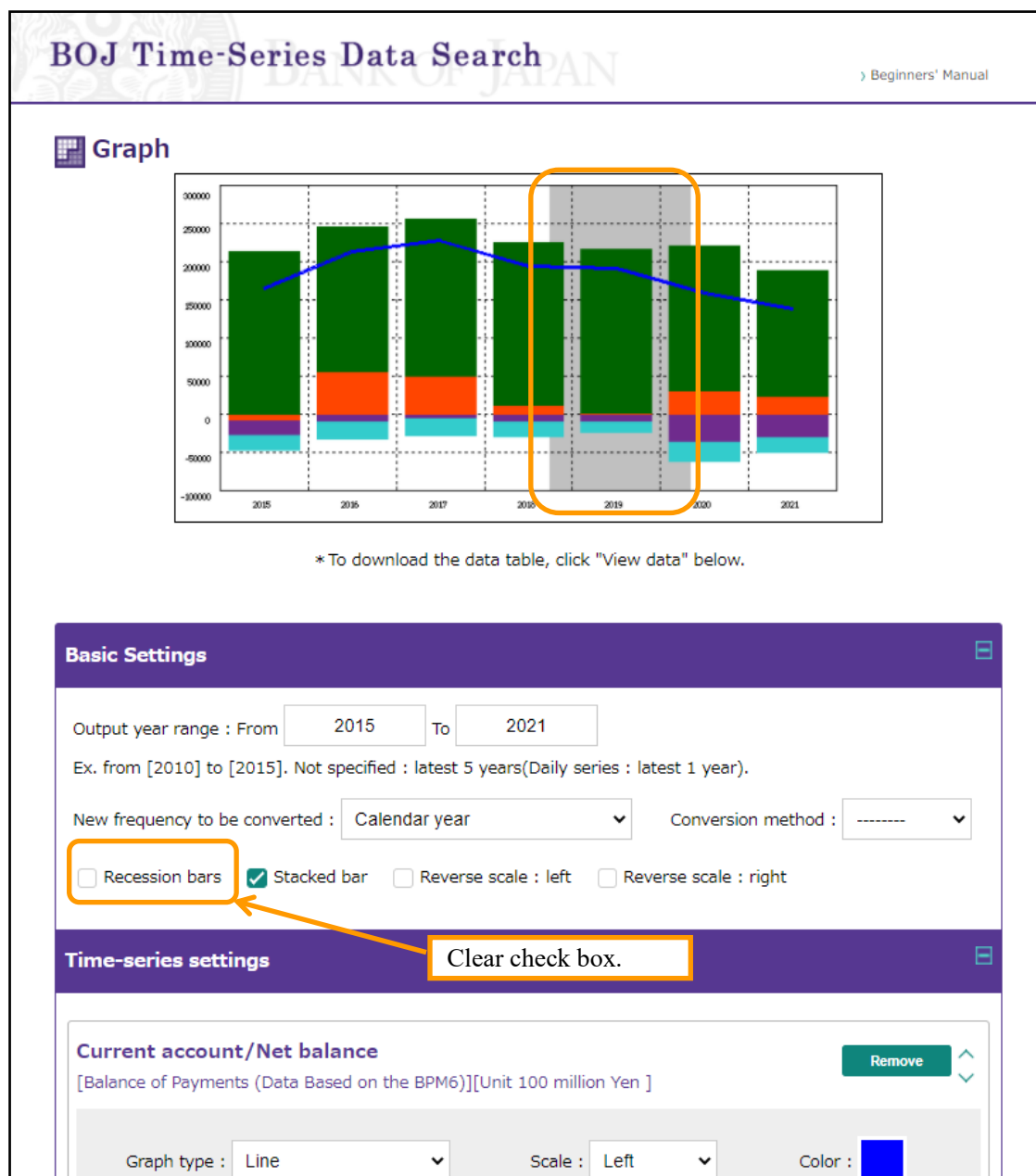
Copyright Bank of Japan All Rights Reserved.

E. Hide recession bars

The default settings of recession periods are displayed automatically as shaded gray bars (recession bars) behind other bars. Recession bars can be removed if unnecessary.

(1) Clear the **Recession bars** check box in the **Basic settings** section.

Graph page with the recession bar displayed (upper part of screen<default setting>)



(2) Click the **Redraw** button.

Graph page (bottom part of screen)

Secondary income /Net balance

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove ^

Graph type : Bar Scale : Left Color : ■

Difference : -----

Click Redraw.

Redraw Add View data Print

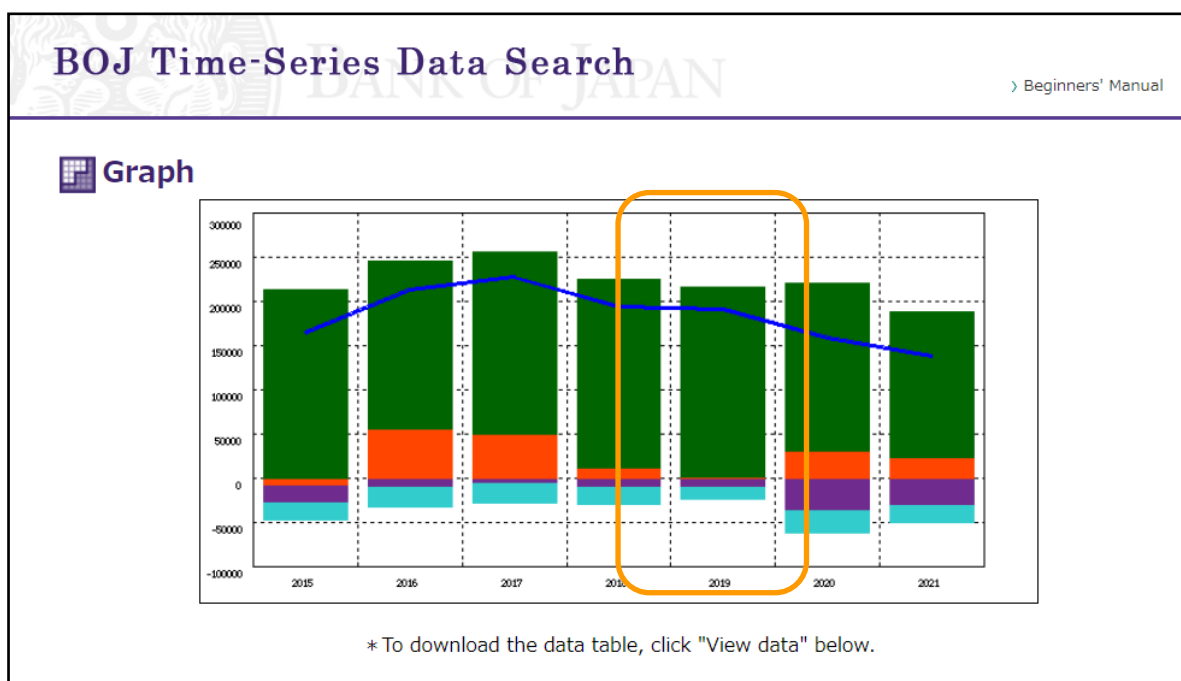
☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

(3) The recession bar will not show.

Graph page with the recession bar hidden (upper part of screen)

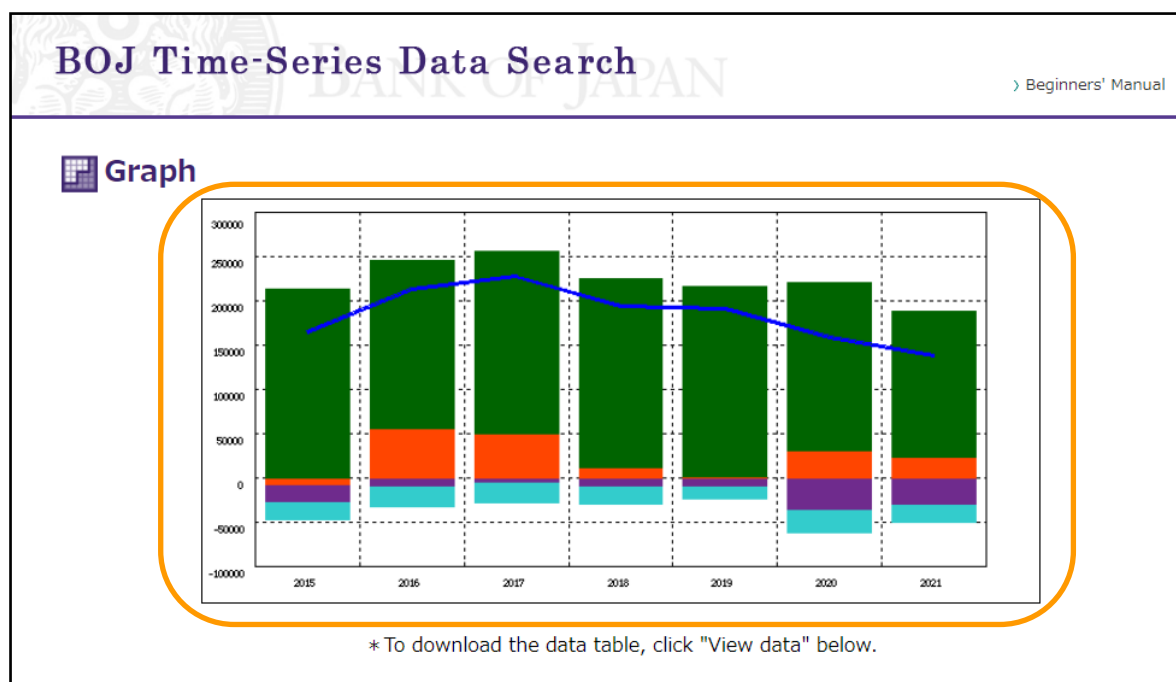


F. Rearrange order of stacked bar graphs

The order of stacked bar graphs can be rearranged -- using the drag & drop function -- by changing the order of the list of time-series items in the **Time-series settings** section.

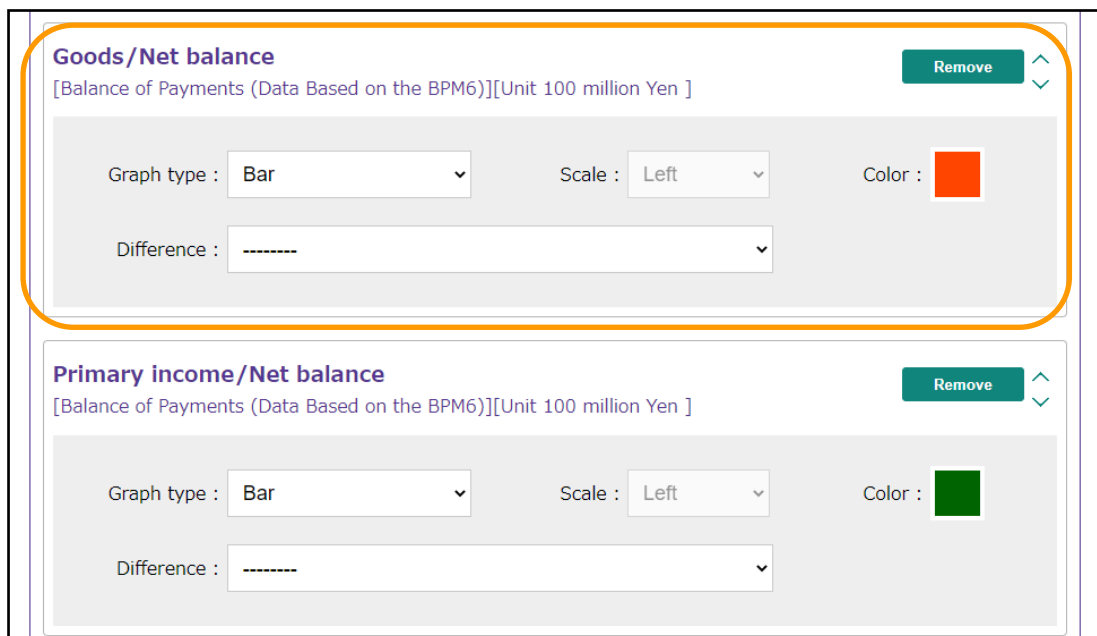
The default time-series data listed in descending order in the **Time-series settings** section are rearranged into ascending order (i.e., the time-series data listed on the top is shown at the bottom of the vertical axis).


Graph page (upper part of screen; displaying stacked bar graph with green bar on top)




(1) Drag and drop the time-series items to rearrange the order of the items.


Graph page (middle part of screen; prior to drag)




Goods/Net balance Remove 
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Bar Scale : Left Color : 

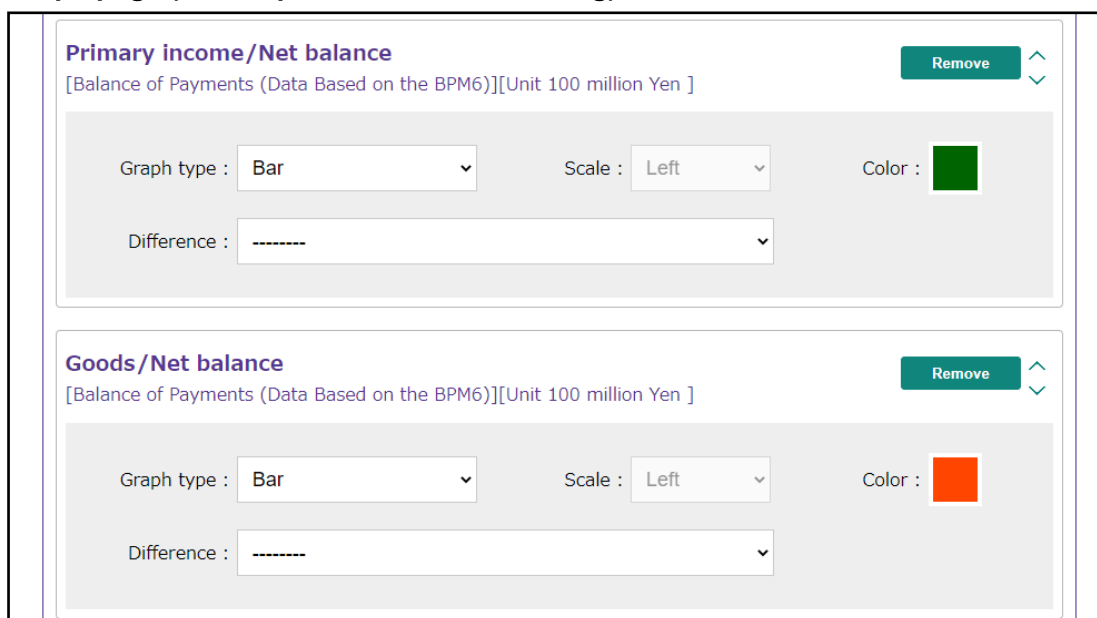
Difference : -----


Primary income/Net balance Remove 
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]


Graph type : Bar Scale : Left Color : 

Difference : -----


Graph page (middle part of screen; after drag)




Primary income/Net balance Remove 
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Bar Scale : Left Color : 

Difference : -----

Goods/Net balance Remove 
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Bar Scale : Left Color : 

Difference : -----

(2) Click the **Redraw** button.

Graph page (bottom part of screen)

Secondary income /Net balance

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove ^

Graph type : Bar Scale : Left Color :

Difference : -----

Click Redraw.

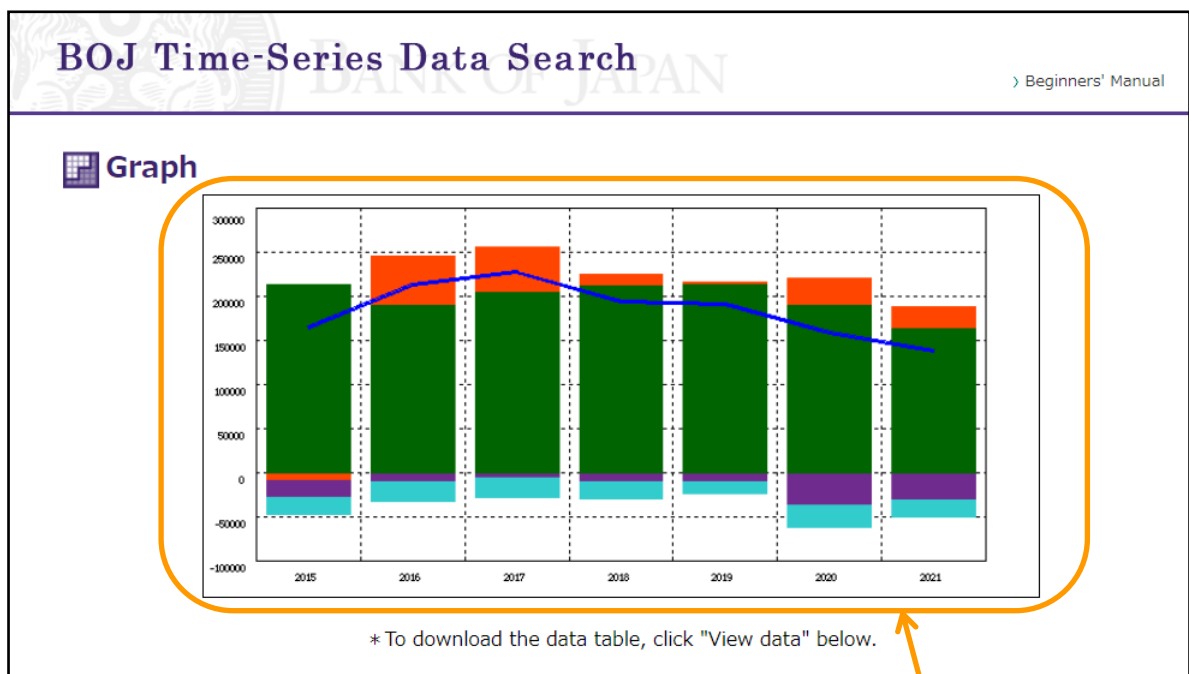
Redraw Add View data Print

☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

(3) The stacked bar graphs are rearranged.



Order of the time-series items is rearranged.

4. Print graph image

You can print the image of graphs illustrated in the **Key figures at a glance** section or for your customized set of time-series data, as well as information on graph settings, such as inputs in the **Basic settings** and **Time-series settings** sections.

A. Print graph image and graph settings

(1) Select a **Print graph settings** check box, and then click the **Print** button.

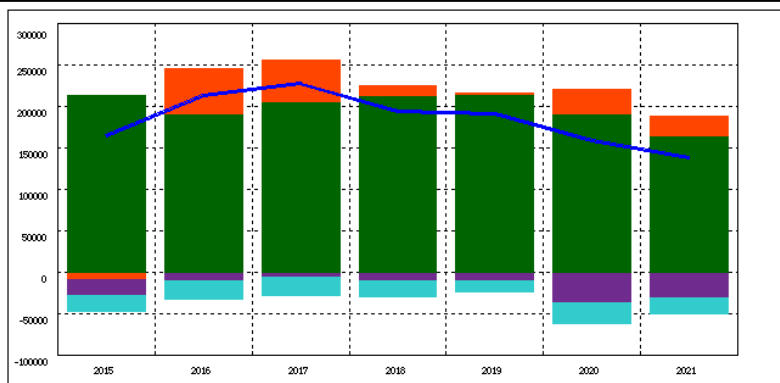
Graph page (bottom part of screen)

The screenshot shows the bottom part of a graph page. At the top, there is a 'Difference' dropdown menu. Below it, there are two graph settings sections: 'Services/Net balance' and 'Secondary income /Net balance'. Each section has a 'Remove' button, a 'Graph type' dropdown (set to 'Bar'), a 'Scale' dropdown (set to 'Left'), and a 'Color' selection (purple for Services, teal for Secondary income). Below the 'Secondary income /Net balance' section, there is a '1) Select check box.' text box with an arrow pointing to the 'Print graph settings' checkbox. The 'Print' button is circled in orange, and an arrow points from a '2) Click to print page.' text box to it. At the bottom, there is a footer with links: '> Quick guidance for time-series search', '> Notices', '> Contact', '> Site Map', and '> Bank of Japan's website'. Below the footer, it says 'Copyright Bank of Japan All Rights Reserved.'

(2) Once the **Print preview** window opens, move on to the **File** menu and press **Print**.

- This procedure may differ depending on your browser.

Print preview with graph settings



Basic settings

Output year range : 2015-2021 New frequency to be converted : Calendar year Conversion method : None

Recession bars : Off Stacked bar : Applied Reverse scale : None

Name of time-series [Statistical category]	Unit	Scale	Color	Line style	Line width	Mark type
Current account/Net balance [Balance of Payments (Data Based on the BPM6)]	100 million Yen	Left	■	Solid	Normal	None
Primary income/Net balance [Balance of Payments (Data Based on the BPM6)]	100 million Yen	Left	■	-	-	-
Goods/Net balance [Balance of Payments (Data Based on the BPM6)]	100 million Yen	Left	■	-	-	-
Services/Net balance [Balance of Payments (Data Based on the BPM6)]	100 million Yen	Left	■	-	-	-
Secondary income /Net balance [Balance of Payments (Data Based on the BPM6)]	100 million Yen	Left	■	-	-	-

*1: Change from previous period *2: Change from previous year *3: Percent change from previous period

*4: Percent change from previous year *5: Annualized percent change from previous period

B. Print only graph image

Clear the **Print graph settings** check box, and then click the **Print** button. Continue on with procedure shown on page 50.

Graph page (bottom part of screen)

Secondary income / Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove

Graph type : Bar Scale : Left Color : Cyan

Difference 1) Clear check box.

Redraw Add View data Print

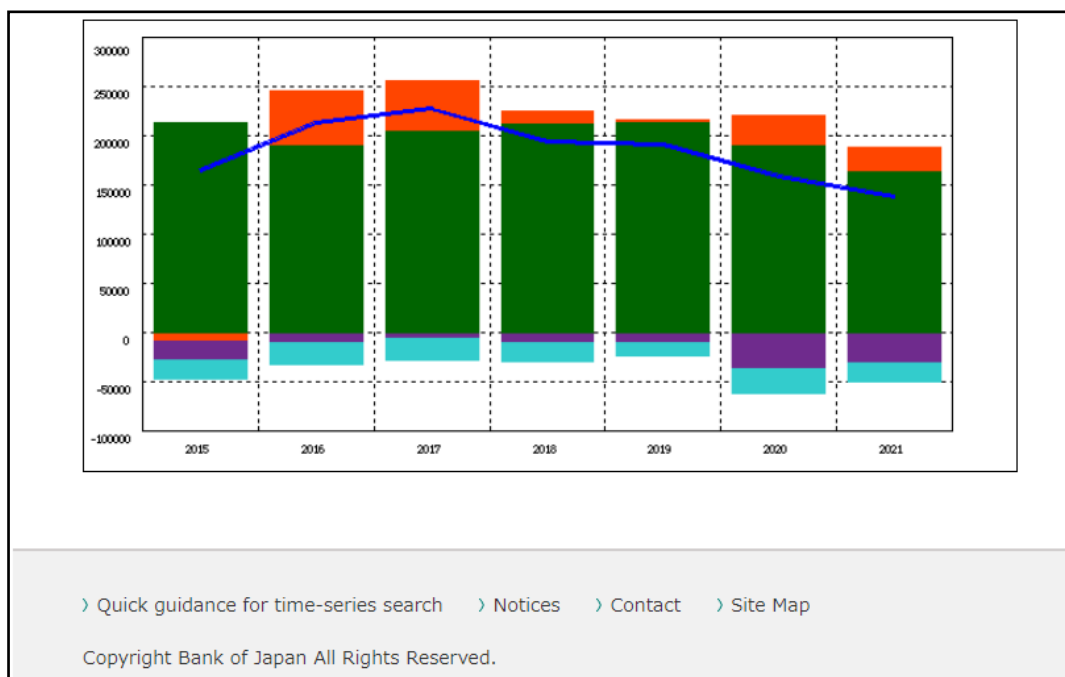
☐ Print graph settings

2) Click to print page.

> Quick guidance for time-series search > Notices > Contact > Site Map > Bank of Japan's website

Copyright Bank of Japan All Rights Reserved.

Print preview without graph settings



5. Check information and data of graphs

You can check data and information on time-series items of your illustrated graphs using data in the **Key figures at a glance** section or your customized set of time-series data.


(1) In the **Graph** page, click the **View data** button to open the **Result of search (Graph)** window.

Graph page (bottom part of screen)

The screenshot shows the bottom part of a web interface for graphing. At the top, there's a title "Secondary income /Net balance" with a subtitle "[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]" and a "Remove" button. Below this is a settings area with "Graph type" set to "Bar", "Scale" set to "Left", and "Color" set to a teal square. There's also a "Difference" dropdown menu. At the bottom, there's a purple bar containing four buttons: "Redraw", "Add", "View data", and "Print". The "View data" button is circled in orange, and an orange arrow points from a text box to it. The text box says "Click to open Result of search (Graph) window." Below the purple bar is a footer with links: "Quick guidance for time-series search", "Notices", "Contact", "Site Map", and "Bank of Japan's website". At the very bottom, it says "Copyright Bank of Japan All Rights Reserved."

Secondary income /Net balance
[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Remove

Graph type : Bar Scale : Left Color : 

Difference : -----

Redraw Add **View data** Print

☐ Print graph settings

Click to open **Result of search (Graph)** window.

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

- (2) In the **Result of search (Graph)** window, choose **Information on time-series** for information on the time-series data, or click the link to **Time-series data** to check data content.

Result of search (Graph) window

BOJ Time-Series Data Search

[Beginners' Manual](#)

Result of search(Graph)

Type of table	Download header type	File type	Download*
<ul style="list-style-type: none">Information on time-series (converted:ANNUAL)Time-series data (converted:ANNUAL)	<input checked="" type="radio"/> Simple header <input type="radio"/> Header <input type="radio"/> No Header	<input checked="" type="radio"/> CSV <input type="radio"/> TAB	Download
<ul style="list-style-type: none">Information on time-series(MONTHLY)Time-series data(MONTHLY)	<input checked="" type="radio"/> Simple header <input type="radio"/> Header <input type="radio"/> No Header	<input checked="" type="radio"/> CSV <input type="radio"/> TAB	Download

* In the case that "Frequency conversion" or "Difference" is applied, some figures may differ from those in other publications as data processing is conducted using digital equipment on this site.

[Save selected series codes](#)[Close](#)

[Quick guidance for time-series search](#)[Notices](#)[Contact](#)[Site Map](#)[Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

Click either link.

- (3) In the **Information on time-series data (Graph)** window, you can get information on graphs of time-series data. In the **Time-series data (Graph)** window, you can view the data content of the time-series data.
- You can switch windows by clicking the button.

Information on time-series data (Graph) window

BOJ Time-Series Data Search

Beginners' Manual

Information on time-series data(Graph)

Time-series data Back

Series code	BP01'BPBP6JYNCB
Name of time-series	Current account/Net balance
Statistical category	Balance of Payments (Data Based on the BPM6)
Frequency	MONTHLY
Conversion method	SUMMED
Last update	2021/11/09
Unit	100 million Yen
Start of the time-series	1996/01
End of the time-series	2021/09
Notes	

Time-series data (Graph) window

BOJ Time-Series Data Search

Beginners' Manual

Time-series data(Graph)

Information on time-series data Back

* In the case that "Frequency conversion" or "Difference" is applied, some figures may differ from those in other publications as data processing is conducted using digital equipment on this site.

	BP01'BPBP6JYNCB Current account/Net balance	BP01'BPBP6JYNPIN Primary income/Net balance	BP01'BPBP6JYNTB Goods/Net balance	BP01'BPBP6JYNSN Services/Net balance	BP01'BPBP6JYNSIN Secondary income /Net balance
2015	165194.04380261	213032.0805006	-8862.45774899	-19306.96754323	-19668.6114058
2016	213909.55035195	191477.852965	55175.5393597	-11287.66768315	-21456.17428959
2017	227779.24872529	206843.41311959	49113.1108563	-6906.65070889	-21270.62454171
2018	195046.95925327	214026.25171904	11264.68641872	-10212.5888677	-20031.39001678
2019	192106.31578409	215124.11230884	1502.755381	-10820.70368855	-13699.84821718
2020	158789.5574656	191531.89134445	30106.27815551	-37356.57625021	-25492.03578412
2021	137851.45257608	164299.07788455	23530.65928138	-31533.54055868	-18444.74403117

→ To redraw graphs, see page 28.

6. Features of Graph page

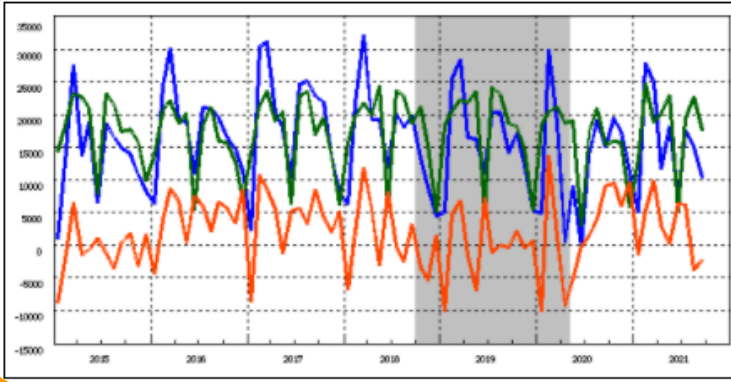
Features of the **Graph** page are described below. Details of the graph image can be altered using these features.

Graph page (upper part of screen)

BOJ Time-Series Data Search

Beginners' Manual

Graph



Graph images can be pasted to other text files or saved as an image file.

*To download the data table, click "View data" below.

Basic Settings

(1) Output year range : From 2015 To 2021

Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year).

(2) New frequency to be converted : ----- (3) Conversion method : -----

(4) ☒ Recession bars (5) ☐ Stacked bar (6) ☐ Reverse scale : left (7) ☐ Reverse scale : right

Time-series settings

Current account/Net balance (8) Remove

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

(9) Graph type : Line (10) Scale : Left (11) Color : Blue

(12) Line style : Solid (13) Line width : Normal (14) Mark type : -----

(15) Difference : -----

Graph page (bottom part of screen)

Graph type : Scale : Color :

Line style : Line width : Mark type :

Difference :

(16) Redraw (17) Add (18) View data (19) Print

(20) ☒ Print graph settings

[Quick guidance for time-series search](#) [Notices](#) [Contact](#) [Site Map](#) [Bank of Japan's website](#)

Copyright Bank of Japan All Rights Reserved.

- (1) Enter output year range.
- (2) Specify frequency.
- (3) Specify method of changing frequency.
- (4) Select check box to display recession period.
- (5) Select check box to stack bar graphs.
- (6) Select check box to display the left axis in reverse scale.
- (7) Select check box to display the right axis in reverse scale.
- (8) Click button to remove time-series data.
- (9) Specify graph type.
- (10) Choose either the left- or right-scale vertical axis. (For bar graphs, scales are automatically set at the left vertical axis.)
- (11) Click to open color window to change color (see illustration below).
- (12) Specify style for line graphs.
- (13) Specify width for line graphs.
- (14) Specify mark type for line graphs.
- (15) Specify to change graphs into rate of change basis.
- (16) Click to redraw graphs after changing graph settings in the **Basic settings** or **Time-series settings** section.
- (17) Click to open the **Add time-series** window to add time-series data.
- (18) Click to check information and data for graphs.
- (19) Click to print graphs by opening the **Print preview** window.
- (20) Select a check box to display graph settings in the **Print preview** window.

Color window

Output year range : From 2015 To 2021

Ex. from [2010] to [2015]. Not specified : latest 5 years(Daily series : latest 1 year).

New frequency to be converted : Conversion method :

☒ Recession bars

Color

Back

Time-series settings

Current account/Net balance

Remove

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line

Scale : Left

Color :

Line style : Solid

Line width : Normal

Mark type :

Difference :

Goods/Net balance

Remove

[Balance of Payments (Data Based on the BPM6)][Unit 100 million Yen]

Graph type : Line

Scale : Left

Color :