Introduction

Datastream Advance provides current and historical time series data on stocks, stock indices, bonds, futures, interest rates, commodities, derivatives, exchange rates, and economic data.

Scope

Global coverage in contents. Depending on the series, most market data is available on a daily basis; and most economic data is available monthly or quarterly.

Access

- Available at Doriot and Tanoto Libraries
- Login to the computer and double-click the Datastream icon 

Features

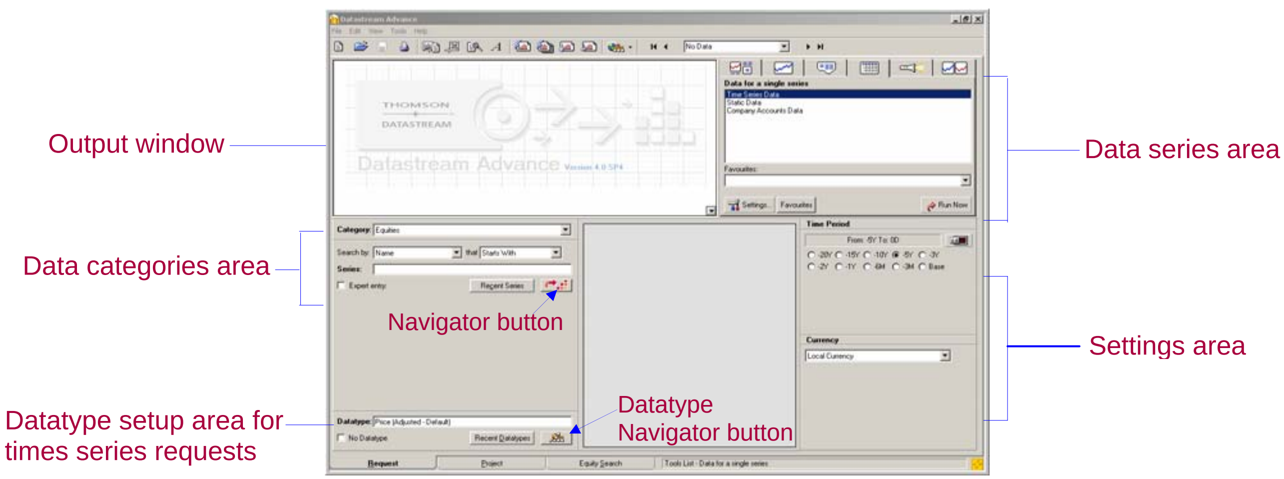
- Results easily downloadable to Excel, Word, or PowerPoint
- Simplified search for data series and datatypes through Navigator
- **Interactive Charting** and **Help Browse** for data series mnemonics search tools in Navigator
- Excel add-in **Datastream-AFO** (Advance for Office) for running complex searches directly in Excel

Help

- Click the **Help** from the top menu bar on any page
- For search assistance, ask a librarian at the Information Desk

Searching Datastream Advance

Datastream Advance interface is divided into distinctive areas as shown on the figure below, where you set your selections and run searches. The output results come in report, graph, or data format depending on your preference and type of values. The key feature for data searching in Advance 4.0 is the Navigator accessible from  the Navigator button.



Search Datastream Advance in four quick steps:

Step 1: Select category and click the  Navigator button to choose category series in the **Data Categories area**

Step 2: From the icon bar, select format for your output results and choose report type for your series in the **Data Series area**

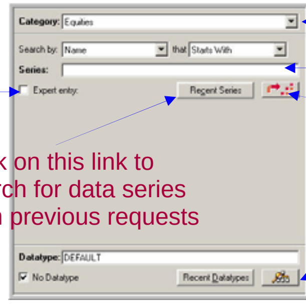
Step 3: Refine your selections by setting dates, frequency, datatype, and currency as applicable in the **Settings area.**
Choose datatype if applicable for times series requests by clicking  the Datatype Navigator button in the **Datatype Setup area**

Step 4: Run search by clicking the **Run Now** button and view results in the **Output window**
Save, download results to the appropriate Microsoft office program: Excel, Word, PowerPoint

Step 1: Selecting a category and choosing a category series

Datastream series is a particular set of financial data over time, e.g. company equities, bonds, indices etc. All Datastream series are grouped into the following 15 data categories accessible from the **Category** drop down list: Equities • Equity Indices • Constituent Lists • Unit Trust • Investment Trusts • Bonds & Convertibles • Bond Indices • Warrants • Economics • Economic Reports/Charts • Exchange Rates • Interest Rates • Futures • Options • Commodities.

Click here when you search by data series mnemonic and when you search for dead companies series



Click on this link to search for data series from previous requests

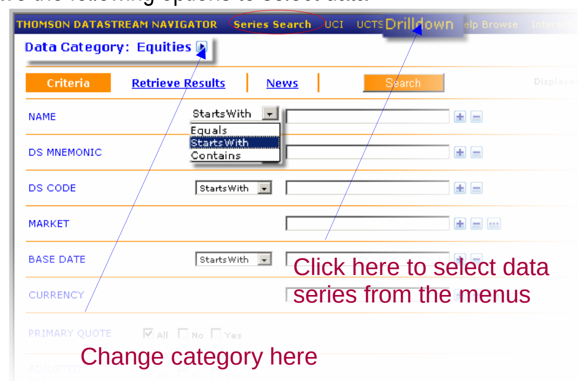
Select category here

Enter search string here

Click the Navigator here to start search

Click the Datatype Navigator here for Time Series requests

By selecting a category, you gain access to all data series stored within that category. You have the following options to select data series:



- Using Navigator:

  Navigator Quick Search- enter a keyword in a Series box and click the [navigator icon], then click on **DS Mnemonic** or **DS code** link from the list of matching entries

  Navigator Power Search-click on the [navigator icon] Navigator button and enter your criteria in the available fields as shown on the figure on the right. Click the [button icon] button to select series from the list when available.

  Navigator Drill Search-click on the **Drilldown** link on top menu bar and find data series through the menu-driven method
- Using Datastream mnemonic

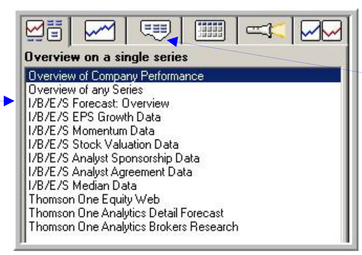
  Click the **Expert entry** check box, and enter the mnemonic in the **Series** box
- Using **Recent Series** search

  Click the **Recent Series** and select data series from the drop down list of your previous requests

Step 2: Selecting format for output data and selecting data request

In the Data Series area, select the format of your output data and then select a report or request type from the list. Depending on the category, the output format tabs and the contents in the data series window will differ.

Choose report or data request type here



Click on one of the tabs here to select format for output report

– **Overview** on a single series. Select report from the list of preformatted reports available for most of the data categories: equity, commodity, warrant, trust, and bonds from different sources, e.g. Thomson, I/B/E/S etc.

– **Chart** of a single series. Select from the list of available charts, e.g. Line chart, Moving Average Chart, Price and Volume Chart etc.

– **Report** on a single series. Select from the list of preformatted reports. Reports are different for different categories.

– **Data** for a single series (in spreadsheet format). Select time series, static data, and company accounts data reports. Customize reports with additional criteria. All reports can be exported to Excel spreadsheet.

– **Summary** for list of series. This format is available only for list categories such as Constituents and Local lists. Values for Datastream constituents are displayed in one summary report, or as a chart, or as a data report depending on category series.

– **Find** company mnemonics. Use this function to search for mnemonics for both **"live"** and **"dead" stocks held in Datastream.** Remember to check the **Expert Entry** box.

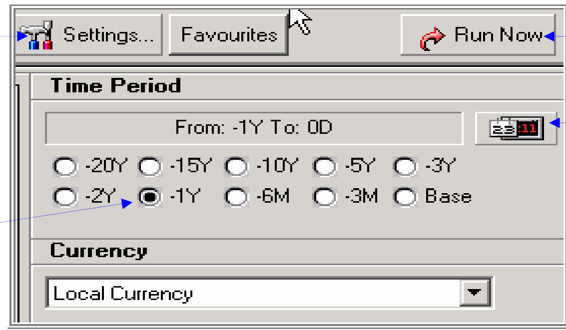
– **Comparison**-one or more series. Create reports on multiple series and compare across different data categories e.g. compare a company's performance against an index.

Step 3: Refine selections by setting dates, datatype, frequency, currency in the Settings area
In the Settings area, you can refine your request by selecting frequency, dates, datatype, and currency as applied to your data series.
NOTE: The contents of the **Settings** will be different for different data series and output formats.

- **Frequency:** Click the **Settings** to set up frequency for Time Series data (daily, weekly, monthly, quarterly, or yearly).
- **Dates:** Select time period by one of the following options: by relative dates (-1Y, -10Y, -6M etc.), or click the [icon] and enter a fixed date or a date range.

Click here to select frequency for time series data, e.g. daily, weekly etc. For static requests, select datatype here.

Click in a circle to select relative dates, e.g. latest year, last 6 months (-6M)



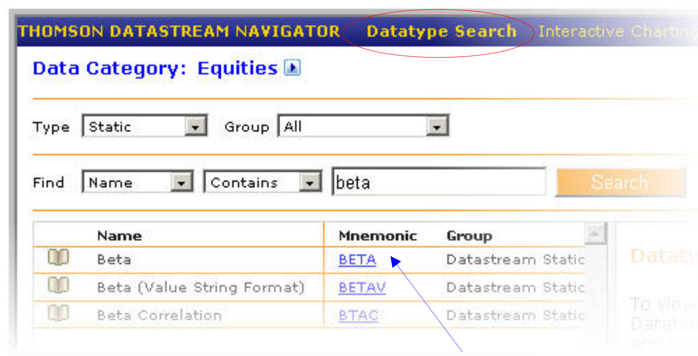
Click here to run request

Click here to select a fixed date or range of dates

- **Datatype:** Find datatype for your series using the Datatype Navigator. When you create a request for Time Series data, click the [icon] Datatype Navigator button in the lower left area of the screen. For Static data requests, click the [Settings...] and then click the Datatype Navigator button to open a **Datatype Search** screen similar to the one shown on the right.

  Datatypes are grouped by their types and sources, e.g. from the drop down list in the **Type** box you can select **Static** or **Time Series**; in the **Group** box, you can select **Key Datatypes, or MSCI, or Datastream** etc. To broaden you search, select **All** in both or either category. In addition, you can use the drop down lists in the **Find** section of the screen. Enter the name or the code (depending on your setting) in the **Find** text box.

  Once you have specified your search criteria, click the **Search.** To add datatype to your request, click on the mnemonic link from the list of matching entries. You can select up to nine datatypes for each request.

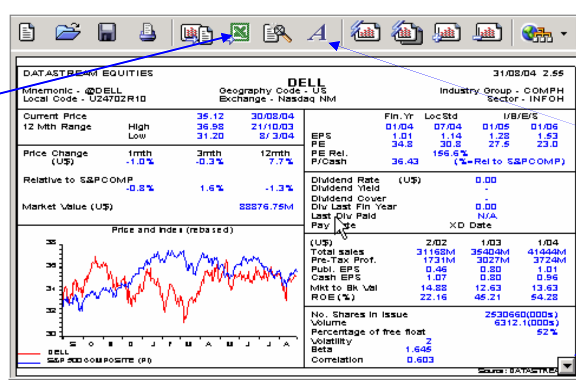


Click on the mnemonic link to add datatype to your request

- **Currency:** Select currency from the drop down list in the **Currency** box

Step 4: Running requests and obtaining results.
After you select data series in the Data Series window and add settings if applicable, click the [Run Now] located in the Settings Area. Your search results: graphs, reports, or data will open in the Output window as shown below.

Click this icon to save in Excel



Click here to display/hide Annotations toolbar

Click here to maximize or minimize window

You can resize the window by clicking the arrow in the lower right corner.
You can also add annotations to your data report (highlight text, insert comments, arrows etc.) before you save your report in Word or PowerPoint. To display/hide Annotations toolbar, click the [A] icon from the top icon toolbar.

Saving and exporting results: Click the icons from the top icon bar to export results to Excel or to save results as file. To save results in Excel, Word, or PowerPoint using the top menu, select **Tools>Transfer> Excel (or Word or Powerpoint)**

Using the Request Table

If you need to transfer large amounts of data from Datastream once or on a regular basis for the same series, you can use the Request Table feature to create batches of refreshable data requests. You will need to use the Advance For Office (AFO) template built in Excel. To run the Request Table, follow these steps:

1. Open Excel. In a spreadsheet, enter tickers in a column, starting with A1. NOTE: Remember to use the Datastream equity prefix codes; find companies' prefix codes in the Mnemonic column under the Equity category, e.g. U:IBM, '@SNDK. Enter @ prefix in Excel cell as text, e.g. with preceding single or double quotation marks.
2. At top of spreadsheet, under Datastream AFO, select Tools > Create List. NOTE: Make sure the cursor is in A1.
3. In the pop-up window, click on Change Selection.
4. Highlight all tickers needed. Click OK in window.
5. Under List File Name, create a name with suffix .llt .
6. Click OK. Window will tell you it's been successfully created.
7. Click OK. Save the spreadsheet and give it a name.
8. In a new spreadsheet, select Datastream AFO > Request Table > New Request Table.
9. Enter designation at top of each column as suggested below. For definitions of available data formats, click the red arrow in the top right corner of each column. Enter designations respectively as follows:
    - In Update column, type YES
    - Select Request Type, e.g. TSL
    - Select Format, e.g. RCH
    - Enter the name of your list (see above) in Series Lookup or click the right icon to select from the list
    - For Datatype, leave blank for default (stock price), or enter appropriate Datatype
    - Enter Dates
    - Enter Frequency, e.g. Daily
10. Position the cursor in top empty cell under Data Destination.
11. Click Data Destination box. A popup Create Destination Reference window opens. NOTE: Do not close the window and proceed.
12. Select Window from the top menu.
13. Find your saved spreadsheet, and click on it.
14. Put cursor in cell A1 on the spreadsheet.
15. Click OK on the popup window; file location will now appear in the popup window under Data Destination.
16. Click Process Table. Requested data will appear in your spreadsheet.

Searching Tips:

- Search terms are not case sensitive
- For data series with a term less than one year, e.g. 90-dayTreasury Bills, use category Interest Rate; for data categories with a term over one year, use category Bond indices, e.g. Us Government Bond Series 10 Year
- Use Help Browse link on the Navigator screen to search for datatype mnemonic. Alternately, can use top menu option: View>Diagnostics>Show Interactive Terminal. At the prompt, enter HELP <Enter>

Sample Searches

Historical Stock Prices: *Find the daily stock price for Genentech for the past 5 years.*

1. In Category, select the Equities. Enter genentech in the Series box. Click the Navigator button.
2. Click the D:GT6 (DS mnemonic) from the series list.
3. Click the Data format tab (spreadsheet) and highlight Time Series Data.
4. Click the Settings button. Move the frequency bar to daily. Click OK.
5. Select –5Y to get the daily rate for the last 5 years.
6. Click the Run Now. The results will display in the Output Window.
7. View, print or export the results.

Dead companies information: *Find the prices for companies no longer traded.*

1. In Category, select Equities. Click the Expert entry check box.
2. Enter dead company's name or part of the name in the Series box and click the Find tab (flashlight).
3. Highlight the Datastream Remote Search-Dead series. Click the Run Now.
4. In the Output window, click on the name of the company. NOTE: View which data is available for a dead series.
5. Click the Data format tab (spreadsheet) and highlight Time Series Data.
6. Click the Run Now. The results will display in the Output Window.
7. View, print or export the results.

Economic Data using Advance for Office (AFO) for downloading multiple series: *Find daily rates for 90-day Treasury Bill, Fed Funds, and 6-month LIBOR for the past year.*

1. Open Excel. On the top menu, click the Datastream-AFO and select Time Series Request.
2. Enter –1Y in Start date, select Daily in Freq[uency]; click the following options: Row Titles, Col Titles, Headings, Currency, Embed, and Visible Button as applied.
3. Click the Navigator button. On the Navigator screen, in Categories, select Interest rates.

4. On top of the navigator screen click on the Help Browse link. The Help menu screen will open. NOTE: Click the Home at the bottom of the screen if the first page is not displayed.
5. Follow the menu choices to find data series mnemonics. For example, to find the 90-day Treasury Bill mnemonic, do the following:
   - From the main menu, double click option 2 under National Interest Rates; double click 25 for USA; scroll down the screen to Interest rates: United States Government securities: Treasury bills, secondary market, discount basis category and double click FRTBS3M mnemonic for 90 days (3 months) T-bills.
   - Once you've selected the mnemonic, it will appear in the box at the bottom of the screen. Click the Finish. Data will automatically populate the Excel spreadsheet.
6. Position your cursor in the free cell and repeat the same process as described in the previous step for Fed Funds rate (USFEDFD), and 6-month LIBOR (BBUSD6M).
7. View, print or save the results.

NOTE: If you know the mnemonics for your data series you can enter the mnemonic codes, separated by a comma, e.g. (USTBL3M, USFEDFD, BBUSD6M), then click the Submit.

8. Click the Refresh button (cell A1) to obtain the latest rates.

Exchange Rates: *Find the daily exchange rates between Indian Rupee and U.S. Dollar for the past year.*

1. In Category, select Exchange rates. Enter Indian in the Series box. Click the Navigator button.
2. Click the USINDNR mnemonic for Indian Rupee to US$ from the series list.
3. Click the Data format tab (spreadsheet) and highlight Time Series Data.
4. Click the Settings button and move the frequency bar to daily. Click OK.
5. Select –1Y to get the daily data for the past year.
6. Click the Run Now. The result will appear in the Output Window.
7. View, print or export the results.

Commodity Prices: *Find weekly prices for shelled almonds for the past 90 days.*

1. In Category, select Commodities. Enter almond in the Series box. Click the Navigator button.
2. Click the ALMUSSS mnemonic for Almonds Shelled US Standard Run from the series list.
3. Click the Data format tab (spreadsheet) and highlight Time Series Data.
4. Click the Settings button and move the frequency bar to weekly. Click OK.
5. Select –3M to get the weekly data for the last 90 days.
6. Click the Run Now. The result will appear in the Output Window.
7. View, print or export the results.

Compare One or More Data Series. *Display a comparison chart or Genentech and GlaxoSmithKine.*

1. Select the Comparison-one or more series tab and highlight the Comparison Line Chart (rebased).
2. In Category, select Equities. Enter genentech in the Series box. Click the Navigator button.
3. Click the U:DNA mnemonic from the series list.
4. Click the + button to add the first company to your list.
5. Repeat steps 2-3 for GlaxoSmithKline.
6. Click the –5Y button. Click the Run Now. The result will appear in the Output Window.
7. View, print or export the results.

Index Performance Report: *Find the dividend yield and the market value for the FTSE100.*

1. In Category, select Constituent lists. Enter ftse 100 in the Series box. Click the Navigator button.
2. Click the LFTSE100 mnemonic for FTSE100 Constituents from the series list.
3. Click the Summary for lists of series tab and highlight Static Data.
4. Click the Settings. Click the Datatype Navigator button .
5. In Type, select All; in Group select Key Datatypes; in Find, select Name-Contains and enter dividend in the text box. Click the Search.
6. Click the DY mnemonic for Dividend yield.
7. Repeat steps 4-6 for market value. Click OK.
8. Click the Run Now.
9. View, print or export the results.

Print/Download

With search results displayed in the Data Output window, you can print or download your output results

- To print output results: Select File > Print from the top menu bar.
- To save results in Excel, Word, or PowerPoint: Click the Excel icon from the toolbar , *or* from the top menu, select Tools > Export, *or* select Tools > Transfer > Excel (or Word or Powerpoint)

Documentation

- Datastream Online Manual and Tutorial can be accessed from the Help button.

Updated: 4/21/2006
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