



UKDS.Stat user guide

UKDS.Stat enables you to extract the information you want from large socio-economic international datasets available at the UK Data Service. This user guide will help you to understand how to use the interface to find, subset, visualise and download data.

1. Start

Go to: <http://stats.ukdataservice.ac.uk>

The World Bank, IMF and OECD datasets are open to all, and do not require login to access. We also have data from the International Energy Agency (IEA) and the United Nations that are restricted to users from UK higher or further education institutions. Users from this community will be prompted to register and login when accessing these data. Logging in allows users to save and share queries.

2. Select a dataset

- Under the **Data by Provider** tab
- Click the **+ International Monetary Fund** to see the list of datasets
- Click **Direction of Trade Statistics** and then **Direction of Trade Statistics** again

Reporter Country	Actual											
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Advanced Economies	151 823 426 747	114 793 239 687	128 046 491 129	150 231 936 915	163 821 640 859	83 669 723 268	145 912 919 042	141 517 372 643	179 991 527 006	161 052 941 171		
Algeria	-7 523 243	-15 489 141	-29 748 937	-22 511 968	-26 819 380	-290 987	-6 095 647	-7 285 158	-6 395 283	-8 988 577		
Angola	2 793 176 118	-67 834 691	166 173 446	3 705 983 971	4 888 157 180	9 790 853 674	3 471 891 912	1 009 408 763	-1 417 419 579	-527 282 123		
Argentina	-83 162 868	-88 537 991	-84 795 623	-87 863 288	-87 889 204	-55 429 916	-47 988 792	-38 206 123	-26 237 888	-40 784 488		
Australia	1 698 244 227	416 150 096	526 483 771	1 840 288 574	2 384 129 448	6 018 362 752	3 088 402 248	1 426 238 036	-29 282 194	774 786 555		
Austria	-219 965	-1 405 278	-34 438	-22 838	-818 136	-27 437	-488 187	388 631	-1 520 888	-388 336		
Bahrain	-254 384 369	-710 906 044	-777 491 192	-441 059 788	230 357 685	-113 736 376	-769 310 323	283 417 787	-139 576 548	-364 377 148		
Belgium	-1 912 548	-869 268	-888 288	-769 372	-743 129	-2 618 282	-8 057 767	-1 308 683	-2 838 471	-540 647		
Brazil	18 422 405	-18 149 911	-16 011 799	-14 228 248	-15 278 372	-7 384 414	-13 968 561	-15 449 497	11 988 149	-21 489 673		
Canada	269 511 173	385 983 236	287 627 973	95 184 791	184 281 731	50 790 310	591 576 683	163 633 365	191 961 594	309 677 846		
Chile	-4 006 963	-29 797 979	-37 422 703	-48 372 815	-37 674 584	-48 371 282	-54 862 478	-24 968 721	-24 969 372	-29 783 935		
China	-51 731 795	-53 543 758	-62 625 287	-68 282 962	-88 188 341	-88 160 685	-43 321 472	-45 947 037	-26 088 686	-23 112 835		
Colombia	-841 825 683	1 583 231 229	1 946 011 400	448 488 084	-434 796 156	-2 676 891 853	-2 493 443 741	-2 858 054 391	968 388 617	-867 388 450		

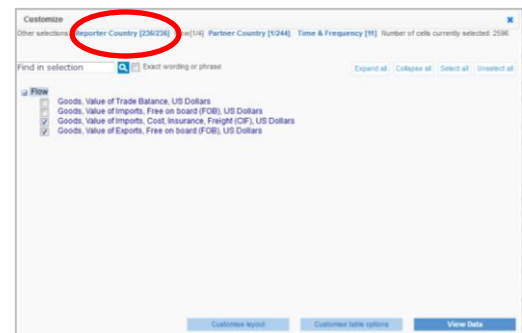
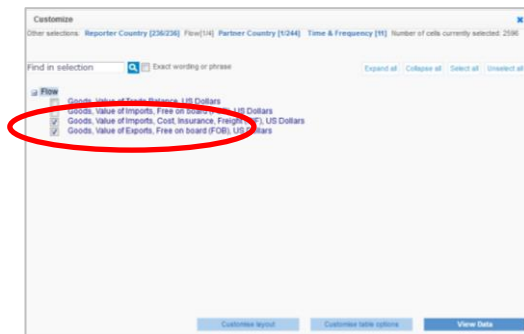
A table showing the most recent data will be displayed. Different datasets will have different dimensions. The IMF Direction of Trade Statistics has five dimensions, and what is selected in each dimension can be changed.

- **Reporter country:** contains data on the value of merchandise exports and imports between each country and all its trading partners
- **Partner country:** is the country or area from/to which the commodity was imported or exported, as declared by the reporting country
- **Flow:** Imports, Exports etc
- **Frequency:** The level of the data (annual, quarterly, and monthly)

Let's click **Flow** to select Imports and Exports

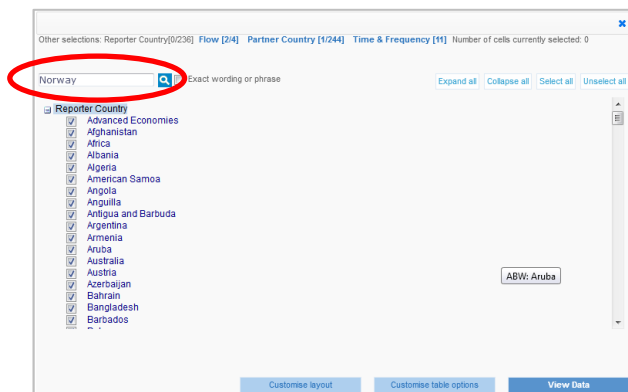
Reporter Country	2008	2009	2010	2011	2012	2013
Advanced Economies	151 023 426 747	114 793 239 687	128 646 401 128	150 231 936 915	163 921 648 859	83 66
Afghanistan	-7 523 243	-15 489 141	-29 748 037	-22 511 968	-30 819 380	
Africa	2 793 176 118	-67 934 691	166 173 446	3 705 903 971	4 888 157 180	9 79
Albania	-53 592 989	-50 537 991	-64 785 623	-57 623 208	-47 009 324	-2
Algeria	1 600 344 227	416 150 096	526 463 771	1 845 288 174	2 384 729 446	6 01
American Samoa	-210 955	-1 405 279	-34 428	-22 630	-618 136	
Angola	-204 304 369	-710 906 044	-777 491 192	-441 059 788	230 357 685	-11
Anguilla	-1 812 540	-869 269	-880 200	-709 372	-743 129	
Antigua and Barbuda	18 422 405	-18 149 911	-16 011 799	-14 226 246	-15 276 372	
Argentina	269 511 173	385 983 236	287 627 973	95 184 701	184 281 731	5
Armenia	-4 000 063	-28 797 970	-37 422 703	-48 372 615	-37 674 584	-4
Aruba	-51 731 795	-53 543 750	-62 625 257	-56 252 992	-68 180 341	-8
Australia	-941 825 083	1 553 231 229	1 946 011 408	448 486 084	-434 706 156	-2 67

And tick the following:



You have selected the flows, now click **Reporter Country**

All the countries have been selected by default, you can select as many or as few countries as you wish. I will type **Norway** and click the search icon



• Tick **Norway** and click **Select**



- Click Partner Country, and click Select all

Other selections: Reporter Country [1/236] Flow [1] Partner Country[1/244] Time & Frequency [1] Number of cells currently selected: 22

Find in selection Exact wording or phrase Expand all Collapse all **Select all** Reset all

Partner Country

- Advanced Economies
- Afghanistan
- Africa
- Africa not specified
- Albania
- Algeria
- American Samoa
- Angola
- Anguilla
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Asia not specified
- Australia
- Austria
- Azerbaijan
- Bahrain

Customise layout Customise table options View Data

- Click Time and Frequency

Select a time range or period of your choice. But it is possible to change the start and end years by using the dropdown boxes, or by clicking the “select latest data” radio button. Alternatively, you can click “select time period”, to choose non-sequential years (e.g 2002, 2005, 2009 etc).

- I will select annual data for 2008-2018.

Customize

Other selections: Reporter Country [1/236] Flow [2/4] Partner Country [244/244] Time & Frequency [1/1] Number of cells currently selected: 5368

Select time range | Select time period

Select date range | Select latest data

From: 2008 To: latest available data 2018

Annual 2018Q3 2018Q4 11 Years

Quarterly 2018M10 2018M11 --- Quarters

Monthly --- Months

Customise layout Customise table options **View Data**

Click **View Data** to see your selected data in table format.

Direction of Trade Statistics (February 2019) ⁰

Customise Export Draw chart My Queries

Flow: Goods, Value of Imports, Cost, Insurance, Freight (CIF), US Dollars

Frequency: Annual

Partner Country: Advanced Economies

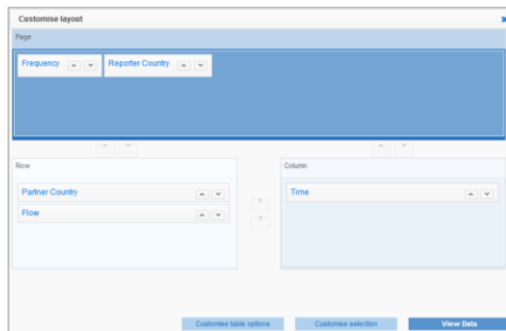
Time	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Reporter Country	Norway	70 960 576 246	53 298 287 559	59 504 008 200	69 665 230 093	66 005 139 102	66 057 345 711	65 892 655 202	53 695 984 461	52 202 244 201	58 211 643 216

3. Changing the layout

The default layout is not great, we selected two items for the **Flow** dimension and can only see one at a time. Also, we can only see one Partner country "Advanced Economies".

We can change the layout of the table, by going to **Customise > Layout** and dragging and dropping the dimensions as required. This feature will allow you to view your selected data in a single table.

For example, I've moved the dimensions around, so **Partner Country** and **Flow** are displayed as rows, and **Reporter Country** as **Page**



Which results in the following:

		Direction of Trade Statistics (February 2019)									
		Annual									
		Norway									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
		▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼
→ Partner Country	→ Flow										
Advanced Economies	Goods, Value of Imports, Cost, Insurance, Freight (CF), US Dollars	70 960 576 246	53 298 287 559	59 504 008 200	69 665 230 093	66 005 139 102	66 057 345 711	65 692 655 202	53 695 984 461	52 202 244 201	58 211 643 216
	Goods, Value of Exports, Free on board (FOB), US Dollars	159 349 866 385	106 267 037 166	118 918 477 586	145 887 545 263	146 768 791 618	137 603 741 393	126 559 660 816	91 200 737 141	75 765 069 360	88 909 382 098
Afghanistan	Goods, Value of Imports, Cost, Insurance, Freight (CF), US Dollars	191 909	1 065 278	363 357	281 883	182 041	181 671	115 047	140 600	192 343	187 517
	Goods, Value of Exports, Free on board (FOB), US Dollars	3 160 526	2 063 704	3 076 324	2 629 136	3 596 420	5 831 897	3 108 479	2 397 483	1 316 368	2 288 028
Africa	Goods, Value of Imports, Cost, Insurance, Freight (CF), US Dollars	1 578 731 749	1 160 144 304	1 270 942 616	1 620 572 165	1 453 805 351	2 146 412 685	1 479 131 598	1 123 448 466	864 811 836	875 521 501
	Goods, Value of Exports, Free on board (FOB), US Dollars	1 123 609 149	844 453 665	1 196 955 963	1 169 882 569	1 462 377 910	1 596 250 797	1 818 416 479	1 732 585 206	1 840 850 774	1 208 280 148
Africa not specified	Goods, Value of Imports, Cost, Insurance, Freight (CF), US Dollars	..	..	..	..	..	..	..	5 034	22 503	..
	Goods, Value of Exports, Free on board (FOB), US Dollars	..	..	181 757	50 694	391 625	16 641	..	..	2 642	235
Albania	Goods, Value of Imports	1 411 608	1 862 972	2 068 668	3 577 576	4 370 553	4 497 102	3 680 452	2 343 918	2 345 037	1 904 452

Take a look at the **How to change the layout** video in UKDS.Stat video at: <http://stats.ukdataservice.ac.uk/guides/> for further information.



Information about the dataset

Note that clicking the blue **i** icons will give extra information about the dataset. Some datasets will have these at dimension level only.

The screenshot shows the UK Data Service interface. The main panel displays a table for 'Direction of Trade Statistics (February 2019)'. The table has columns for 'Reporter Country' (Norway), 'Frequency' (Annual), and 'Time' (years 2008-2017). The rows list various categories like 'Advanced Economies', 'Afghanistan', 'Africa', etc., with sub-rows for 'Goods, Value of Imports, Cost, Insurance, Freight (CF), US Dollars' and 'Goods, Value of Exports, Free on board (FOB), US Dollars'. A blue 'i' icon is circled in red next to the dataset title.

Clicking these blue **i** icons opens the right hand panel. In the example below I have clicked the **i** icon next to the dataset title. Here you can see information on when the data was updated, links to further documentation, how to cite the data, as well as links to further documentation and definitions.

This screenshot shows the same dataset as above, but with the right-hand 'Information' panel open. The panel contains an 'Abstract' section with text about the International Monetary Fund (IMF) Direction of Trade Statistics (DOTS) database, a 'Source' section with a link to 'http://ukdataservice.ac.uk/help/get-in-touch.aspx', and a 'Contact person/organisation' section. The entire right-hand panel is circled in red.

4. Dealing with sparse datasets

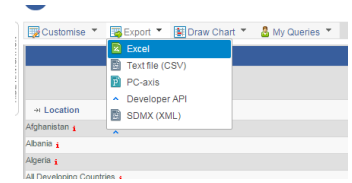
Some datasets are particularly sparse, as not all countries report data for all series, and some series are unique to a particular country. You can discover what data are available for a given country by clicking **Customise > Selection > All dimensions**

Select the countries you are interested in, and then click **Check data availability**. Series not available for the country you have selected will be greyed out. We have produced specific guides such as the *“Guide to finding IFS data”* which looks at this in more detail. See the guide page for more details:

stats.ukdataservice.ac.uk/guides

5. Downloading the data

Once you have the data in the layout you require, click **Export** and select the file type of your choice.



6. Visualising the data

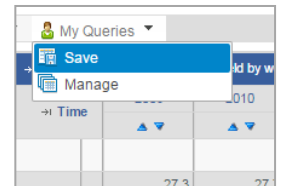
Due the end of life of Adobe Flash Player announced in July 2017, updates and security patching stopped after December 31 2020 as detailed in <https://www.adobe.com/fr/products/flashplayer/end-of-life.html>

The mapping and charting feature of UKDS.Stat is based on Adobe Flash and will not be replaced due to the development of a new JavaScript based charting engine in the new version of the Stat Suite Data Explorer.

Therefore charting and visualisations in the current version of UKDS.Stat have been disabled. If this is an issue for you please contact help@ukdataservice.ac.uk and we will advise you on alternatives.

7. Saving and sharing queries

If you have logged in, it is possible to save and share queries. Simply go to **My queries > Save** and give your query a meaningful name



If you go to **My queries > Manage** you will be able to open recent and saved queries.

If you click **share** you will be given a url which you can copy (Ctrl+C) and paste (Ctrl+V) – and then send to another user.

Please remember that if the data you have selected is restricted to member of UK further/higher education institutions, then only those people within that community who are also registered with the UK Data Service will be able to access the data you have “shared”.

8. More help

This is a general guide, for further guidance see: stats.ukdataservice.ac.uk/guides