Making Data Useful - World Development Indicators
Data Lesson

Data to Focus on
- Birth Rate
- Death Rate
- Life Expectancy
- Fertility Rate
- Dependency Ratio

Countries to Focus On
- China
- India
- Japan
- Morocco
- Niger
- USA

Graph
- Time on the horizontal axis.
- Birth Rate on the vertical axis.

Selecting Data
Website - World Bank Indicators - Data

Step One

Step Two

1 - Type in the factor you want to learn about.

2 - Find the factor and you may need to scroll through them. Click in the box.

Step Three

1 - Click on time.

2 - Choose the years you want to focus on and tick the boxes next to the years.

3 - Click apply changes.

Step Four

THE WORLD BANK
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This page is in English Español Français عربي 中文

DataBank | World Development Indicators

Table | Chart | Map | Metadata | ↓ Download options ▾

Preview

Clear Selection | Add Country (4) Add Series (4) Add Time (4)

China ⬍ ⓘ

Variables Layout Styles Save Share Embed

▸ Database   Available ☐ | Selected 1
▸ Country   Available 1 | Selected 4
▸ Series   Available 85 | Selected 4
▾ Time   Available 68 | Selected 4

Availability Range: Year [1950 - 2017]

	1995	2005	2015
Birth rate, crude (per 1,000 people)	17	12.4	12.1
Death rate, crude (per 1,000 people)	.6	6.5	7.1
Life expectancy at birth, total (years)	70.2	74.0	76.1
Fertility rate, total (births per woman)	1.6	1.6	1.6

Source: World Development Indicators. Click on a metadata icon for original source information to be used for citation.

☑ ✕ ⇅   Enter Keywords for 🔍 ⛶

VIEW RECENT YEARS 5 10 15 20 25 50

☐ 2017	☐ 2000	☐ 1983	☐ 1966
☐ 2016	☐ 1999	☐ 1982	☐ 1965
☑ 2015	☐ 1998	☐ 1981	☐ 1964
☐ 2014	☐ 1997	☐ 1980	☐ 1963
☐ 2013	☐ 1996	☐ 1979	☐ 1962

1 - Press download options and choose an Excel file.

Step Five

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fx | Series Code

1 - Delete the data you don't need e.g the country code and series code.

	A	B	C	D	E	F	G	H	I	J	K
1	Country Name		Series Name	Series Code	1985 [YR1985]	1995 [YR1995]	2005 [YR2005]	2015 [YR2015]			
2	China	CHN	Birth rate, crude	SP.DYN.CBRT.IN	21.04	17.12	12.4	12.07			
3	China	CHN	Death rate, crude	SP.DYN.CDRT.IN	6.78	6.57	6.51	7.11			
4	China	CHN	Life expectancy a	SP.DYN.LE00.IN	68.451	70.156	73.987	76.092			
5	China	CHN	Fertility rate, tota	SP.DYN.TFRT.IN	2.661	1.639	1.565	1.617			
6	United States	USA	Birth rate, crude	SP.DYN.CBRT.IN	15.8	14.6	14	12.4			
7	United States	USA	Death rate, crude	SP.DYN.CDRT.IN	8.7	8.8	8.3	8.44			
8	United States	USA	Life expectancy a	SP.DYN.LE00.IN	74.56341463	75.62195122	77.48780488	78.6902439			
9	United States	USA	Fertility rate, tota	SP.DYN.TFRT.IN	1.844	1.978	2.057	1.8435			
10	Japan	JPN	Birth rate, crude	SP.DYN.CBRT.IN	11.9	9.54	8.413292219	8			
11	Japan	JPN	Death rate, crude	SP.DYN.CDRT.IN	6.2	7.41	8.530753759	10.3			
12	Japan	JPN	Life expectancy a	SP.DYN.LE00.IN	77.6504878	79.53634146	81.92512195	83.79390244			
13	Japan	JPN	Fertility rate, tota	SP.DYN.TFRT.IN	1.76	1.422	1.26	1.45			
14	Morocco	MAR	Birth rate, crude	SP.DYN.CBRT.IN	34.188	25.12	21.3	20.397			
15	Morocco	MAR	Death rate, crude	SP.DYN.CDRT.IN	8.981	6.664	5.781	5.145			
16	Morocco	MAR	Life expectancy a	SP.DYN.LE00.IN	61.469	66.848	71.456	75.573			
17	Morocco	MAR	Fertility rate, tota	SP.DYN.TFRT.IN	4.942	3.298	2.588	2.526			
18											
19											
20											
21											

2 - Delete the country name and the information in the Year box brackets.

3 - Add two rows between each country.

2

Step Six

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	A	B	C	D	E	F	G	H	I
1			1985	1995	2005	2015			
2	China	...te, crude (per 1,000 people)	21.04	17.12	12.4	12.07			
3	China	Death rate, ... (per 1,000 people)	6.78	6.57	6.51	7.11			
4	China	Life expectancy at birth, ... (years)	68.451	70.156	73.987	76.092			
5	China	Fertility rate, total (births per woman)	2.661	1.639	1.565	1.617			
6	United States	Birth rate, crude (per 1,000 people)	15.8	14.6	14	12.4			
7	United States	Death rate, crude (per 1,000 people)	8.7	8.8	8.3	8.44			
8	United States	Life expectancy at birth, total (years)	74.56341463	75.621...122	77.48780488	78.6902439			
9	United States	Fertility rate, total (births per woman)	1.844	1.978	2.057	1.8435			
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11	Japan	Death rate, crude (per 1,000 people)	6.2	7.41	8.530753759	10.3			
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18									
19									

2 - Click on data and choose an A-z search by using column B.

1 - Highlight all the data by clicking in this box.

Step Seven

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fx Birth rate, crude (per 1,000 people)

	A	B	C	D	E	F	G	H	I
1	China	Birth rate, crude (per 1,000 people)	21.04	17.12	12.4	12.07			
2	United States	Birth rate, crude (per 1,000 people)	15.8	14.6	14	12.4			
3	Japan	Birth rate, crude (per 1,000 people)	11.9	9.54	8.413292219	8			
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16	Morocco	Life expectancy at birth, total (years)	61.469	66.848	71.456	75.573			
17			1985	1995	2005	2015			
18									
19									

1 - Add two lines after each group of factors.

2 - Add the years in the line you have created directly above the factor.

Step Eight

Step Nine

You are now going to create a graph by:
1. Above the countries write 'year'.
2. Highlight the small table you want to use e.g. Birth rate for the countries you are looking at. Specifically, highlight the country names, the year and the data.
3. Click on the 'insert chart' icon.
4. Choose the line graph.

Step Ten

You will now need to customize your chart to make sure that it has a clear title and the axis are sensibly labelled.

1. Click on the customize tab in the chart editor
2. Change the title name.
3. Change the axis names.
4. Press copy chart so that you can put it into a Google Doc.
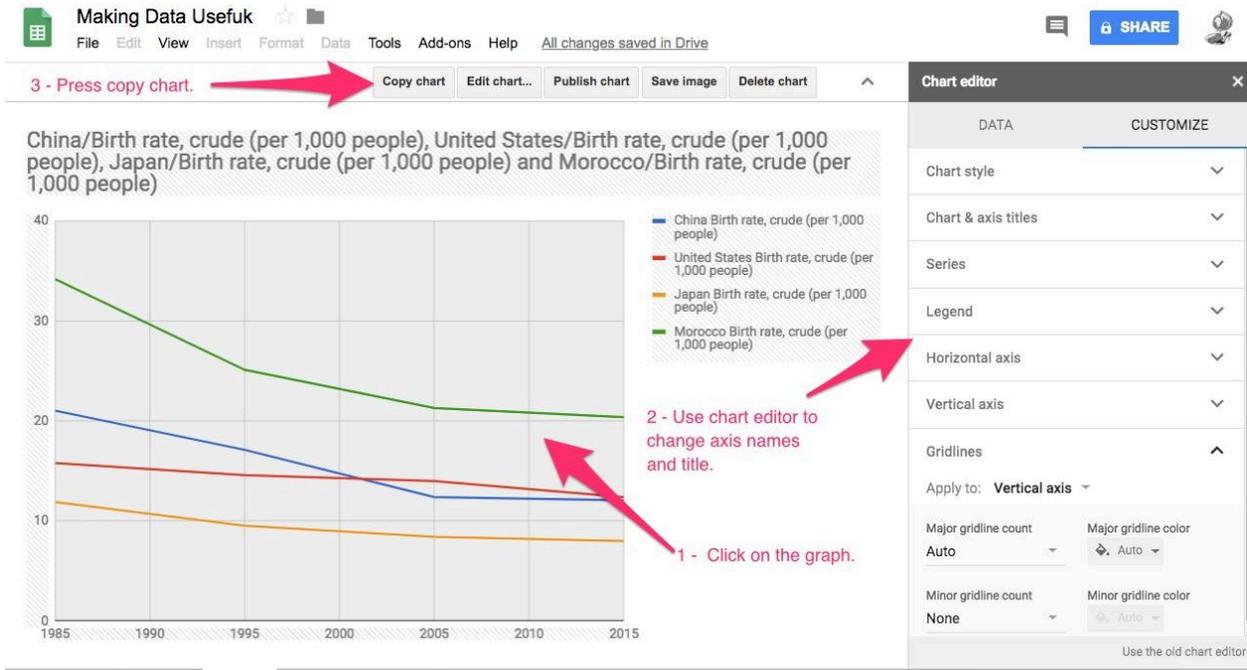
Step Eleven

Another way to copy the chart is to click on the three dots and either choose to it's own Google Sheet or copy and then paste it into a Google Doc.

Step Twelve

1 - Open up a google doc
2 - Paste your graph into it
3 - Copy the table below and paste it into your google doc below the graph.
4 - Fill in the table.

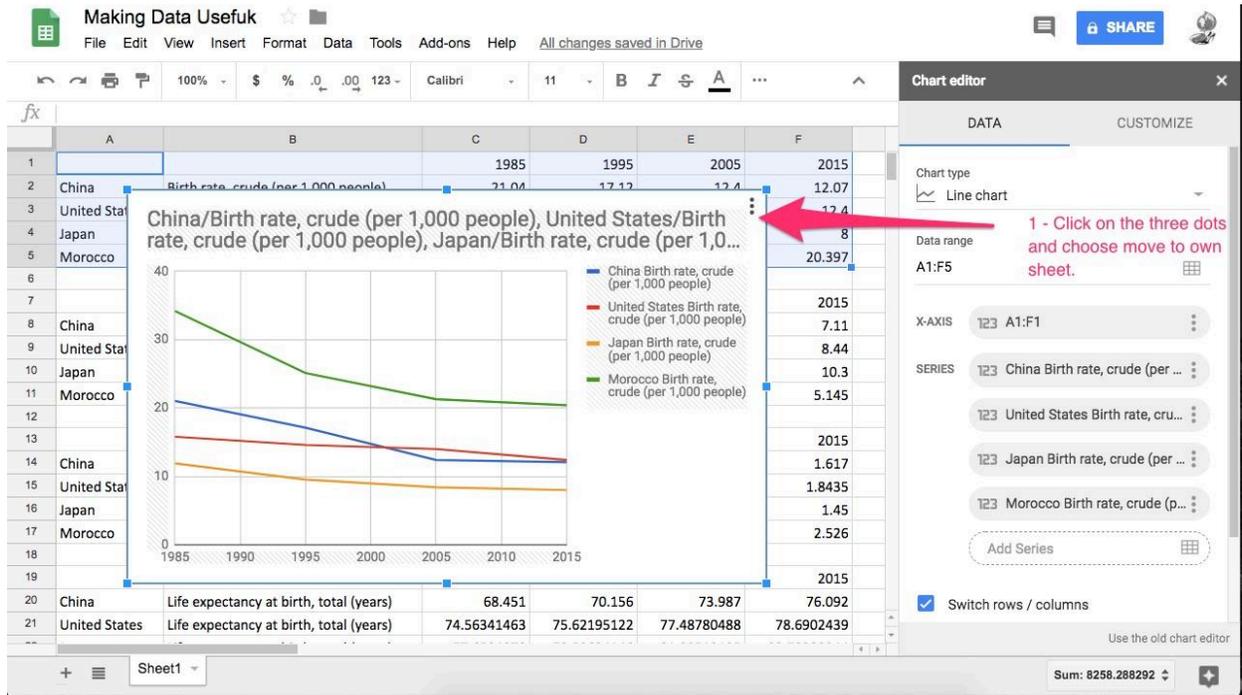| Country	Describe the Obvious with Data	Describe the Anomalies with Data	Explain the Changes
Japan			
USA			
Morocco			
China			

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100%   Image options...   Replace image ˅

Underneath the graph do the following three things:
1 - Describe the obvious trends using data.
2 - Describe the anomalies using data.
3 - Explanation for the anomalies

A graph to show the Birth Rates in China, USA, Japan and Morocco.

Legend:
- China Birth rate, crude (per 1,000 people)
- United States Birth rate, crude (per 1,000 people)
- Japan Birth rate, crude (per 1,000 people)
- Morocco Birth rate, crude (per 1,000 people)