

Map Charts



Timelapse



Step 1: Select Range A1:B52

The screenshot shows the Microsoft Excel interface. The ribbon is set to 'Home', and the 'Font' group is active. The spreadsheet contains data for 28 states. The range A1:B52 is selected, which includes the header row and all data rows. The formula bar shows the active cell is A1, containing the text 'State'.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	State	Avg. HH Income	Population																	
2	Alabama	\$41,415	4,833,722																	
3	Alaska	\$70,005	735,132																	
4	Arizona	\$46,709	6,626,624																	
5	Arkansas	\$38,758	2,959,373																	
6	California	\$67,458	38,332,521																	
7	Colorado	\$55,387	5,268,367																	
8	Connecticut	\$65,753	3,596,080																	
9	Delaware	\$57,954	925,749																	
10	District of Columbia	\$65,124	646,449																	
11	Florida	\$44,299	19,552,860																	
12	Georgia	\$46,007	9,992,167																	
13	Hawaii	\$62,814	1,404,054																	
14	Idaho	\$43,341	1,612,136																	
15	Illinois	\$53,234	12,882,135																	
16	Indiana	\$46,438	6,570,902																	
17	Iowa	\$49,427	3,090,416																	
18	Kansas	\$48,964	2,893,957																	
19	Kentucky	\$41,141	4,395,295																	
20	Louisiana	\$41,734	4,625,470																	
21	Maine	\$46,033	1,328,302																	
22	Maryland	\$70,004	5,928,814																	
23	Massachusetts	\$64,859	6,692,824																	
24	Michigan	\$45,981	9,895,622																	
25	Minnesota	\$61,814	5,420,380																	
26	Mississippi	\$36,919	2,991,207																	
27	Missouri	\$45,247	6,044,171																	
28	Montana	\$44,222	1,015,165																	



Step 2: Insert Map Chart

The screenshot shows the Microsoft Excel interface with the 'Insert' tab selected. The 'Maps' icon in the 'Charts' group is highlighted with a green box and a green arrow. A tooltip for 'Filled Map' is displayed, providing instructions on when to use this chart type. A map chart is shown on the right, displaying the United States with a color scale for 'Avg. HH Income' ranging from \$36,919 to \$70,005.

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
District of Columbia	\$65,124	646,449
Florida	\$44,299	19,552,860
Georgia	\$46,007	9,992,167
Hawaii	\$62,814	1,404,054
Idaho	\$43,341	1,612,136
Illinois	\$53,234	12,882,135
Indiana	\$46,438	6,570,902
Iowa	\$49,427	3,090,416
Kansas	\$48,964	2,893,957
Kentucky	\$41,141	4,395,295
Louisiana	\$41,734	4,625,470
Maine	\$46,033	1,328,302
Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

Step 3: Edit Chart Name

The screenshot shows the Microsoft Excel interface with the 'Chart Design' ribbon selected. A map chart titled 'Household Income By State' is displayed on the right side of the worksheet. A green arrow points to the title box of the chart. The chart is a choropleth map of the United States, where the color of each state represents its average household income. A legend on the right indicates that the color scale ranges from \$36,919 (lightest blue) to \$70,005 (darkest blue). The worksheet data is as follows:

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
District of Columbia	\$65,124	646,449
Florida	\$44,299	19,552,860
Georgia	\$46,007	9,992,167
Hawaii	\$62,814	1,404,054
Idaho	\$43,341	1,612,136
Illinois	\$53,234	12,882,135
Indiana	\$46,438	6,570,902
Iowa	\$49,427	3,090,416
Kansas	\$48,964	2,893,957
Kentucky	\$41,141	4,395,295
Louisiana	\$41,734	4,625,470
Maine	\$46,033	1,328,302
Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

Step 4: Copy & Paste Chart

Microsoft Excel interface showing a data table and two maps. The first map is selected, and the second map is being copied. The data table is as follows:

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
District of Columbia	\$65,124	646,449
Florida	\$44,299	19,552,860
Georgia	\$46,007	9,992,167
Hawaii	\$62,814	1,404,054
Idaho	\$43,341	1,612,136
Illinois	\$53,234	12,882,135
Indiana	\$46,438	6,570,902
Iowa	\$49,427	3,090,416
Kansas	\$48,964	2,893,957
Kentucky	\$41,141	4,395,295
Louisiana	\$41,734	4,625,470
Maine	\$46,033	1,328,302
Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

The first map, titled "Household Income By State", is selected. The second map, also titled "Household Income By State", is being copied. The second map is highlighted with a green border. The Excel interface includes the ribbon (File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Developer, Help, Chart Design, Format), the ribbon tabs (Clipboard, Font, Alignment, Number, Styles, Cells, Editing, Add-ins, Analyze Data), and the status bar (Map Chart, Blank).

Step 5: Drag Range To Population Column

The screenshot shows the Microsoft Excel interface with a data table and two maps. The data table has three columns: State, Avg. HH Income, and Population. The maps show the United States colored by state based on the data. Two green arrows point from the ribbon to the 'Population' column header and the 'Avg. HH Income' column header.

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
District of Columbia	\$65,124	646,449
Florida	\$44,299	19,552,860
Georgia	\$46,007	9,992,167
Hawaii	\$62,814	1,404,054
Idaho	\$43,341	1,612,136
Illinois	\$53,234	12,882,135
Indiana	\$46,438	6,570,902
Iowa	\$49,427	3,090,416
Kansas	\$48,964	2,893,957
Kentucky	\$41,141	4,395,295
Louisiana	\$41,734	4,625,470
Maine	\$46,033	1,328,302
Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

The left map is titled "Household Income By State" and shows a color scale from \$36,919 to \$70,005. The right map is titled "Household Income By State" and shows a color scale from 582,658 to 38,332,521. Both maps are powered by Bing and include a copyright notice for GeoNames, Microsoft, and TomTom.

Step 6: Edit Chart Name

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon active. The ribbon includes options for Chart Layouts, Chart Styles, Data, Type, and Location. Two maps are displayed on the worksheet: 'Household Income By State' and 'Population By State'. The 'Population By State' map title is highlighted with a green box, and a green arrow points to it from the top right. The worksheet data is as follows:

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
District of Columbia	\$65,124	646,449
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Illinois	\$53,234	12,882,135
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Kentucky	\$41,141	4,395,295
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Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

Step 7: Completed

Microsoft Excel interface showing a completed map chart. The ribbon includes File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Developer, and Help. The Home ribbon is active, showing options for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing.

The spreadsheet data is as follows:

State	Avg. HH Income	Population
Alabama	\$41,415	4,833,722
Alaska	\$70,005	735,132
Arizona	\$46,709	6,626,624
Arkansas	\$38,758	2,959,373
California	\$67,458	38,332,521
Colorado	\$55,387	5,268,367
Connecticut	\$65,753	3,596,080
Delaware	\$57,954	925,749
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Florida	\$44,299	19,552,860
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Hawaii	\$62,814	1,404,054
Idaho	\$43,341	1,612,136
Illinois	\$53,234	12,882,135
Indiana	\$46,438	6,570,902
Iowa	\$49,427	3,090,416
Kansas	\$48,964	2,893,957
Kentucky	\$41,141	4,395,295
Louisiana	\$41,734	4,625,470
Maine	\$46,033	1,328,302
Maryland	\$70,004	5,928,814
Massachusetts	\$64,859	6,692,824
Michigan	\$45,981	9,895,622
Minnesota	\$61,814	5,420,380
Mississippi	\$36,919	2,991,207
Missouri	\$45,247	6,044,171
Montana	\$44,222	1,015,165

Two map charts are displayed:

- Household Income By State:** A choropleth map showing average household income by state. The legend indicates a range from \$36,919 (lightest blue) to \$70,005 (darkest blue).
- Population By State:** A choropleth map showing population by state. The legend indicates a range from 582,658 (lightest blue) to 38,332,521 (darkest blue).

Both maps are powered by Bing and include a copyright notice for GeoNames, Microsoft, and TomTom.

The bottom of the screen shows the 'Map Chart' task pane with a 'Blank' button and a '+' sign.

