Efficient column charts

DATA VISUALIZATION IN SPREADSHEETS

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datacamp

# Tables and lists

	A	B	C	D	E	F	G	H
1	Example of table. Data stored in columns and rows					Example of a List 1		Example of a List 2
2	Why do people come to Australia?					Reason for journey		Reason for journey
3	Reason for journey	Jun-2017	Jul-2017	Aug-2017		Holiday		Holiday
4	Holiday	300,800	330,900	358,500		Visiting friends/relatives		June-2017
5	Visiting friends/relatives	164,000	181,200	181,900		Business		300,800
6	Business	50,600	56,000	57,600		Education		Jul-2017
7	Education	28,800	107,800	35,600		Convention/conference		330,900
8	Convention/conference	17,700	25,500	28,100		Other & not stated		Aug-2017
9	Other & not stated	21,200	27,900	23,800		Employment		358,500
10	Employment	22,900	16,800	17,300				

- Table - related data stored in columns and rows

- List - manage or analyze a smaller set or sets of data

Non-contiguous data

	Reason for journey	Jun-2017	Jul-2017	Aug-2017	Sep-2017	Oct-2017	Nov-2017	Dec-2017	TOTAL
	Why do people come to Australia?								
1	Holiday	300,800	330,900	358,500	307,200	355,300	377,500	481,400	2,511,600
2	Visiting friends/relatives	164,000	181,200	181,900	199,200	203,900	231,000	420,100	1,581,300
3	Business	50,600	56,000	57,600	56,300	67,200	73,000	36,500	397,200
4	Education	28,800	107,800	35,600	28,000	37,100	24,000	24,600	285,900
5	Convention/conference	17,700	25,500	28,100	28,100	32,500	29,700	14,700	176,300
6	Other & not stated	21,200	27,900	23,800	25,000	25,800	24,400	18,500	166,600
7	Employment	22,900	16,800	17,300	19,900	19,400	17,400	14,700	128,400

Changing the chart
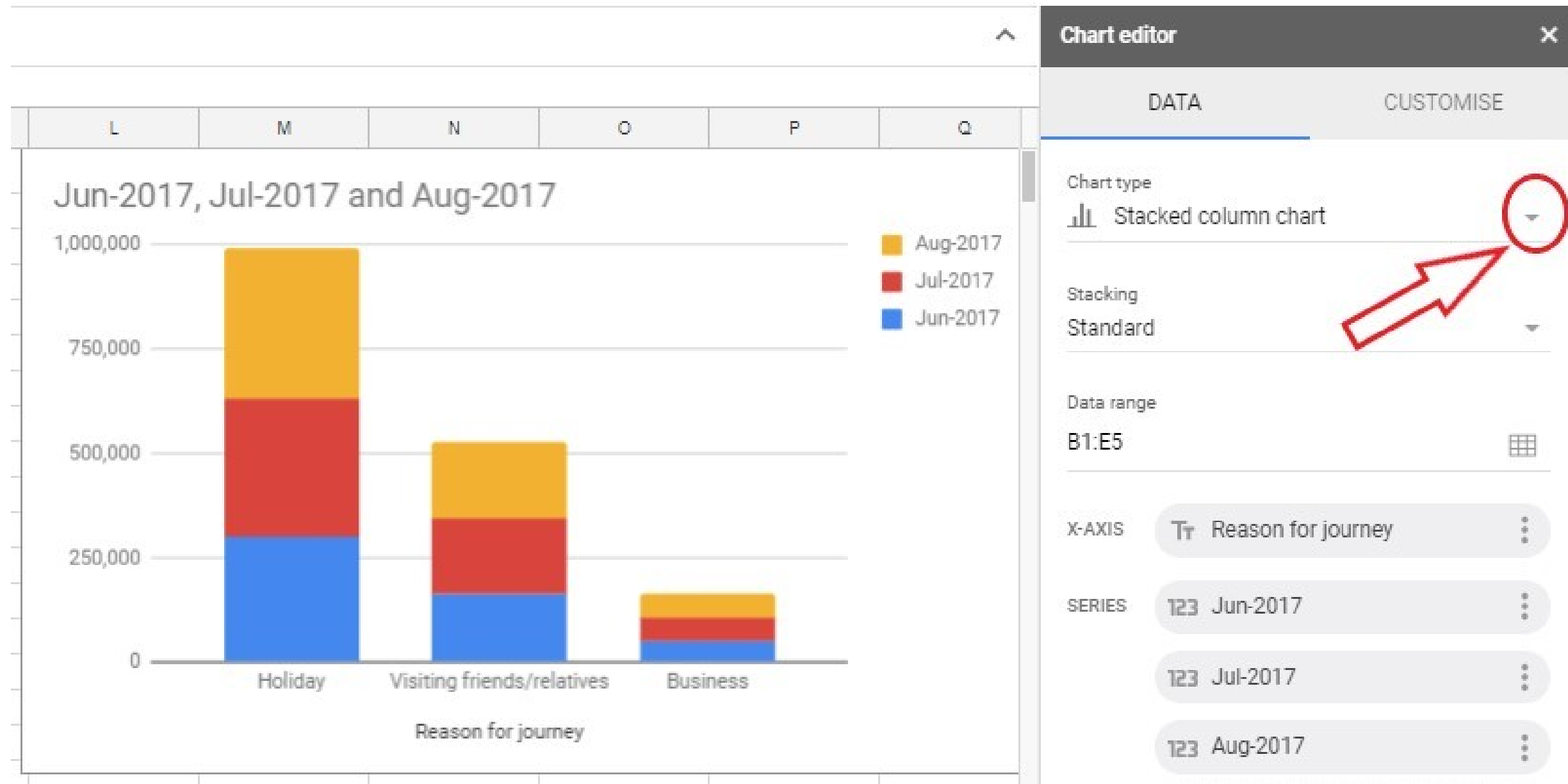
Formatting the chart
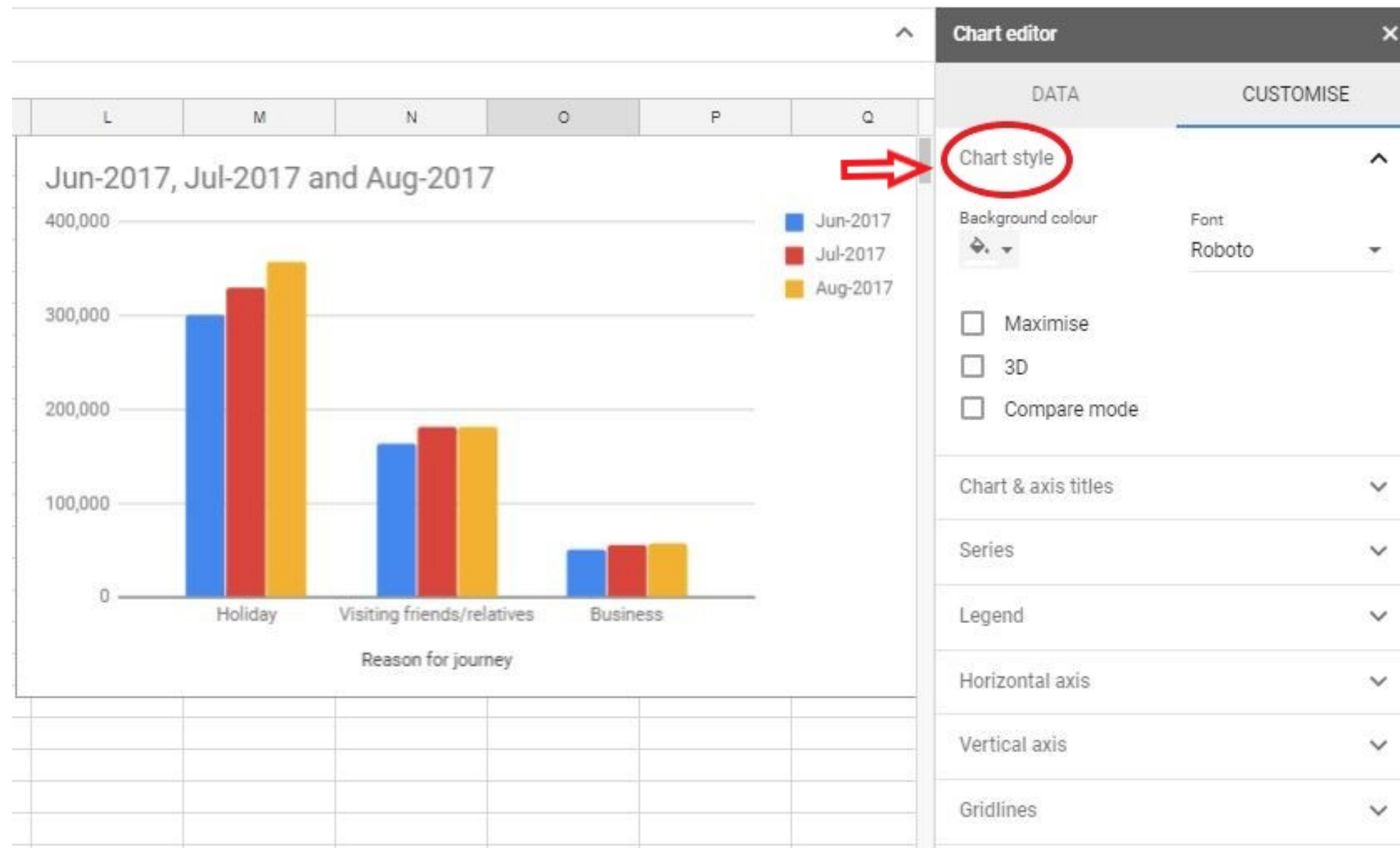
Top 3 Reasons for Journey to Australia

Jun-2017   Jul-2017   Aug-2017
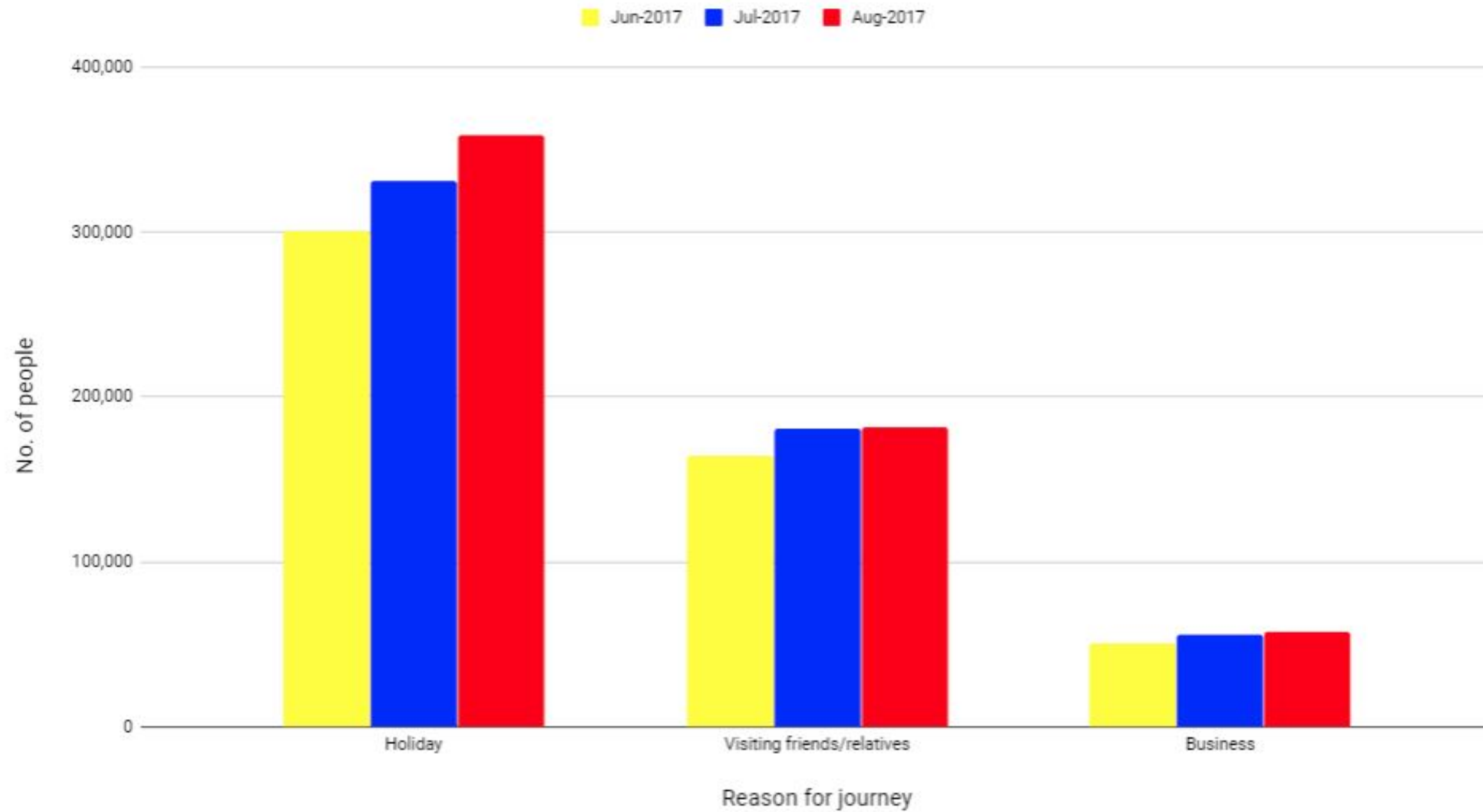
Time to practice!

DATA VISUALIZATION IN SPREADSHEETS

Axis, gridlines, and changing the plot

DATA VISUALIZATION IN SPREADSHEETS
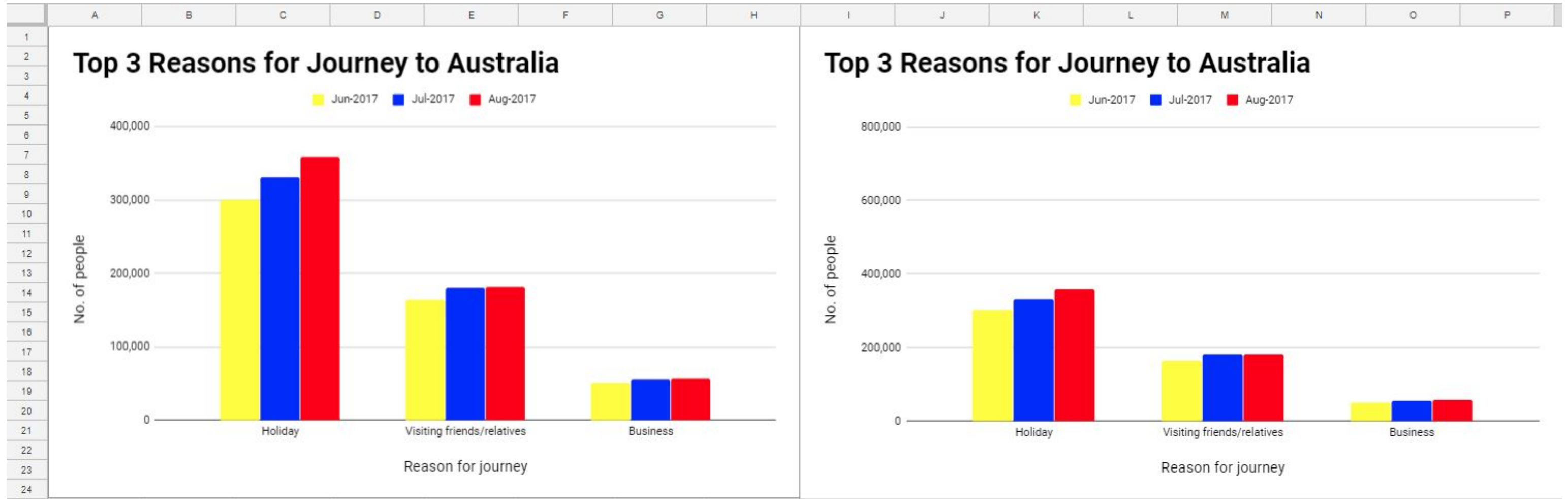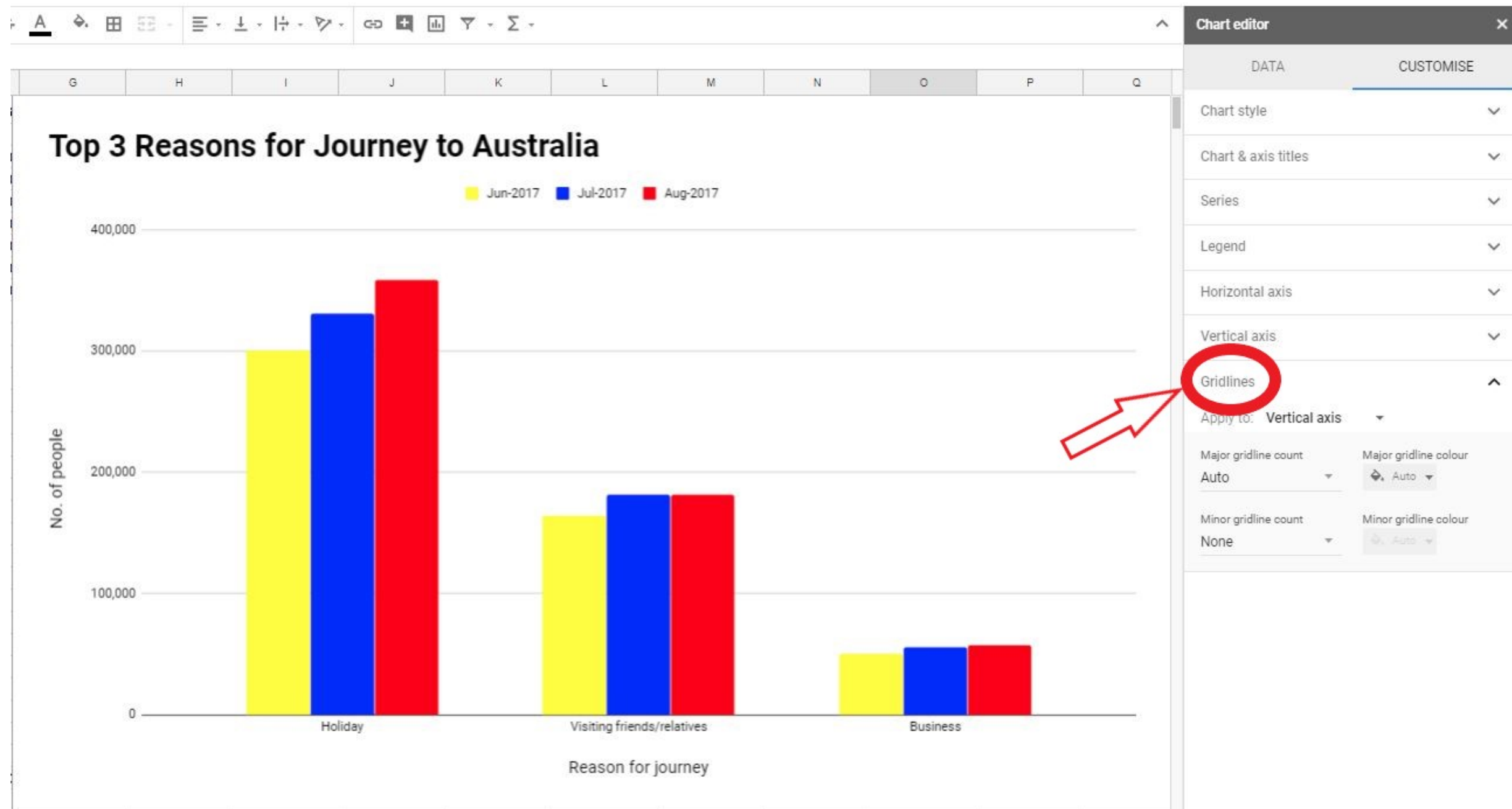
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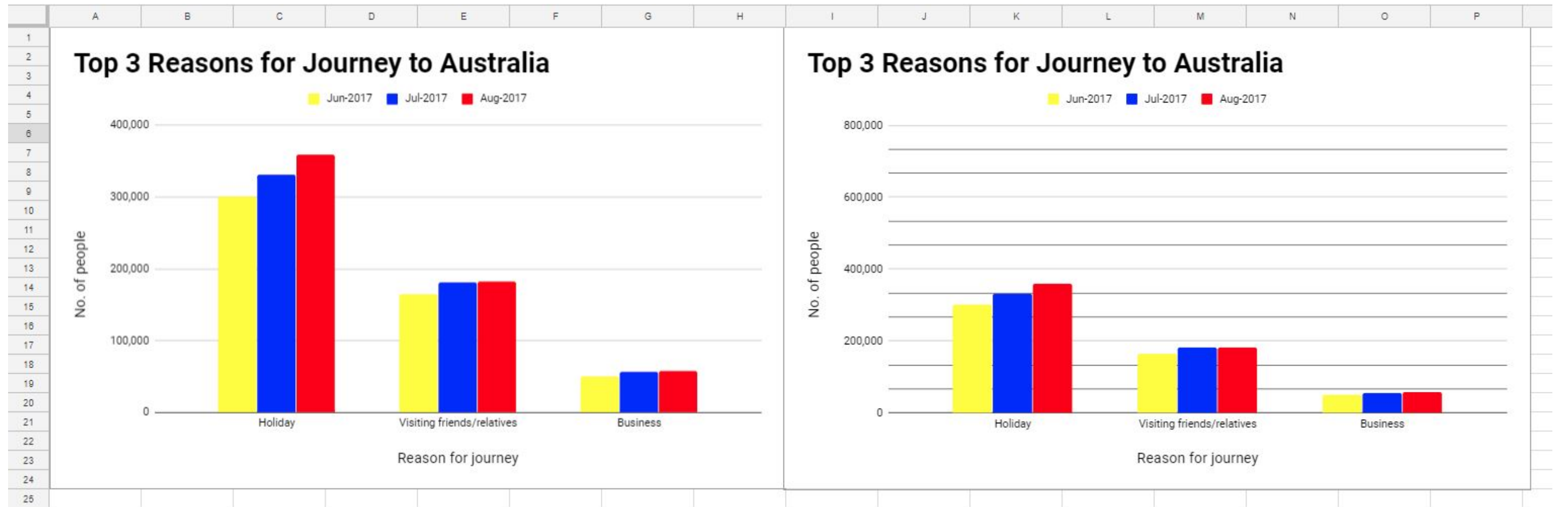Owner/Instructor - OzGrid Business Applications

Axis values

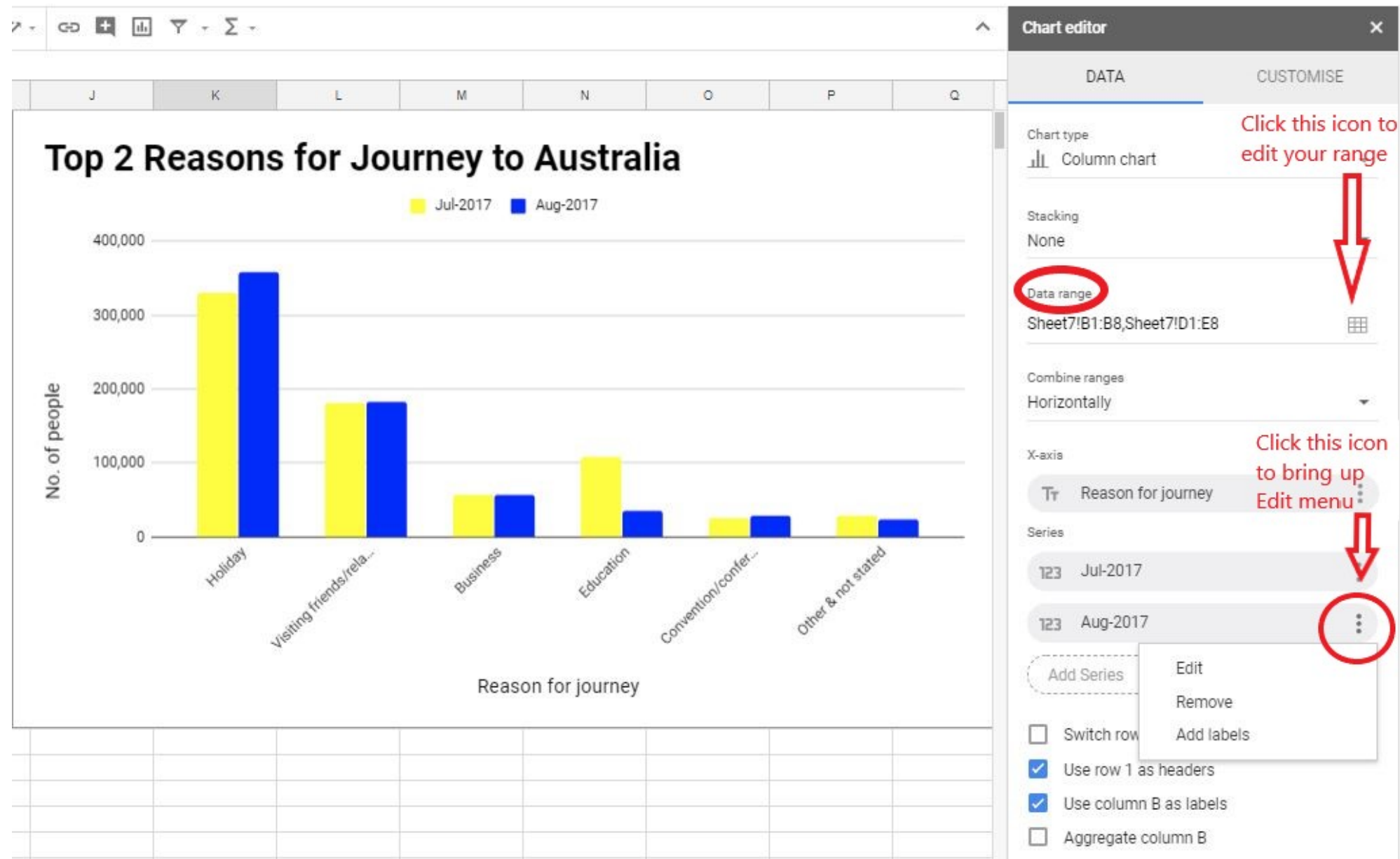# Gridlines

Do you need gridlines?

Changing the plot

Let's practice!

DATA VISUALIZATION IN SPREADSHEETS

Named ranges

DATA VISUALIZATION IN SPREADSHEETS

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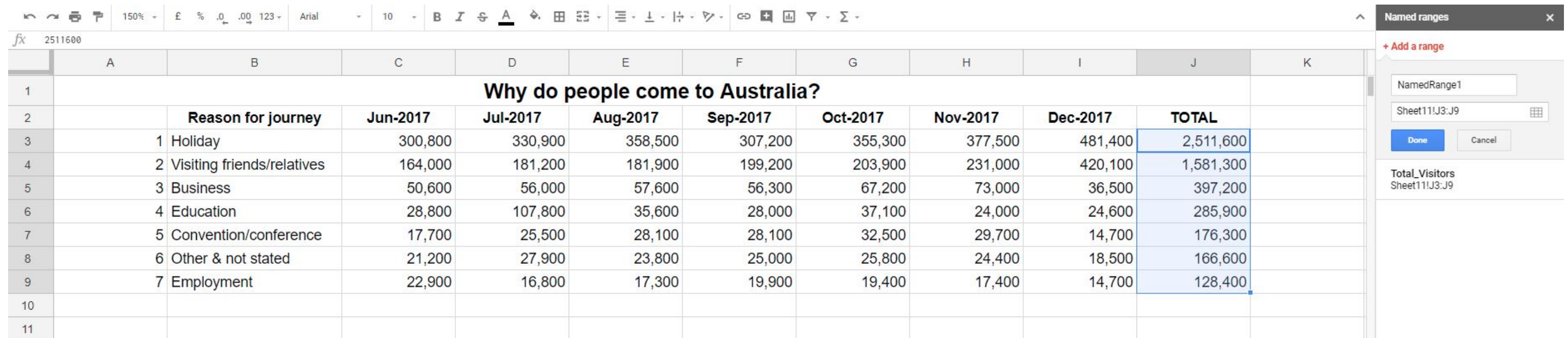
What is a named range?

- One cell, a range, constant value, or a formula with a given name

- User-friendly names for your cells

- Make formulas easier to read and understand

- Range reference can be changed globally in one place

fx =sum(Total_Visitors)

SUM(value1, [value2, ...])

Example
SUM(A2:A100, 101)

Summary
Returns the sum of a series of numbers and/or cells.

value1
The first number or range to add together.

value2... - [optional] repeatable
Additional numbers or ranges to add to 'value1'.

Learn more about SUM

Why do people come to Australia?

		urney	Jun-2017	Jul-2017	Aug-2017	Sep-2017	Oct-2017	Nov-2017	Dec-2017	TOTAL
3			300,800	330,900	358,500	307,200	355,300	377,500	481,400	2,511,600
4		latives	164,000	181,200	181,900	199,200	203,900	231,000	420,100	1,581,300
5	3	Business	50,600	56,000	57,600	56,300	67,200	73,000	36,500	397,200
6	4	Education	28,800	107,800	35,600	28,000	37,100	24,000	24,600	285,900
7	5	Convention/conference	17,700	25,500	28,100	28,100	32,500	29,700	14,700	176,300
8	6	Other & not stated	21,200	27,900	23,800	25,000	25,800	24,400	18,500	166,600
9	7	Employment	22,900	16,800	17,300	19,900	19,400	17,400	14,700	128,400
10										=sum(Total_Visitors)

Selecting data for the named range

- Highlight the range, go to the toolbar, select Data, select Named ranges

- Replace default, "NamedRange1", with a meaningful name

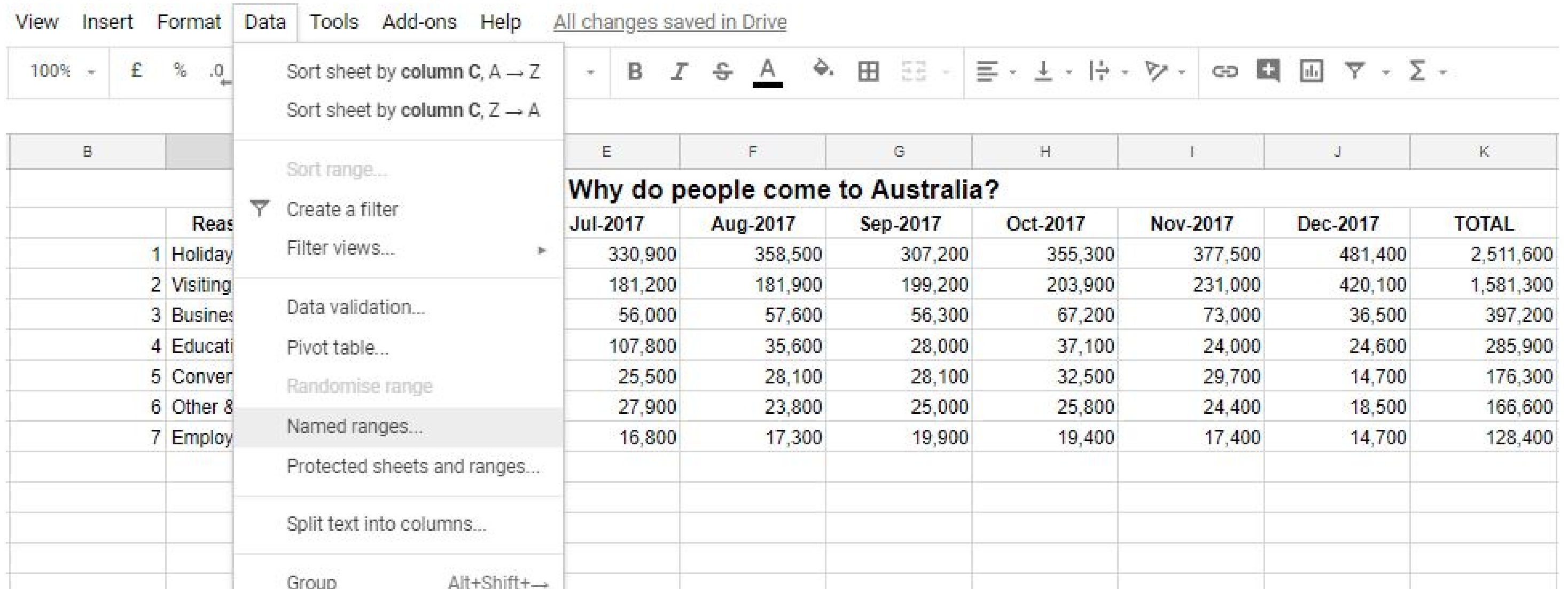- Remember, Named ranges do not like spaces

Creating a named range with the toolbar

- Select Data, Named ranges, Add a range, name it

- Select the data for your range

Editing your named ranges

- Go to Sheets, Data, Named range to see all Named ranges in your workbook

- To change the cell range, select it by clicking the grid to the right

- Less prone to error if you have a visual of your range

Other Common Named Ranges

fx =Income-Expenditure

	A	B	C	D	E	F
1						
2				Income	Expenditure	
3			Week 1	$1,000.50	$780.70	
4			Week 2	$2,500.30	$780.70	
5			Week 3	$1,780.56	$780.70	
6			Week 4	$3,145.00	$780.70	
7			TOTAL	$8,426.36	$3,122.80	
8			NET		$5,303.56	
9						
10		In this example D7 is named Income and E7 is named Expenditure				

Let's practice!

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