

Graphical display of data

grammar & vocabulary

Graphs are used to **impart** key pieces of information in the most **digestible** format

1. GRAMMAR

%	
No -S !	The phrase “per cent” (etym. : <i>per cent</i>) means « for <u>every unit</u> of one hundred » → it is always in the singular Ex. « In China, <u>forty percent</u> of engineers are women. »
Singular or plural verb ?	per cent + OF + plural N → plural V Ex. « 50.8 percent <u>of Americans are</u> women. » ≠ per cent + OF + singular N → singular V Ex. « 12.5 percent <u>of the American population is</u> Hispanic »



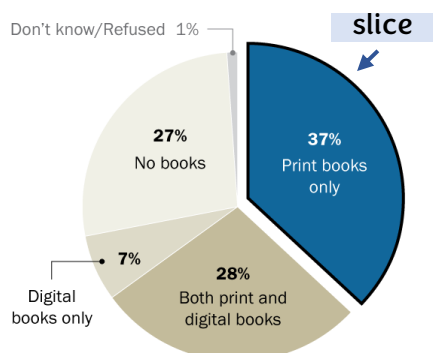
2. TYPES OF GRAPHS

pie chart

→ show how **shares relate to a whole**

37% say they only read print books

% of U.S. adults who say they have read ____ in the previous 12 months



Note: The “digital books” category includes both e-books and audiobooks.

Source: Survey conducted Jan. 8-Feb. 7, 2019.

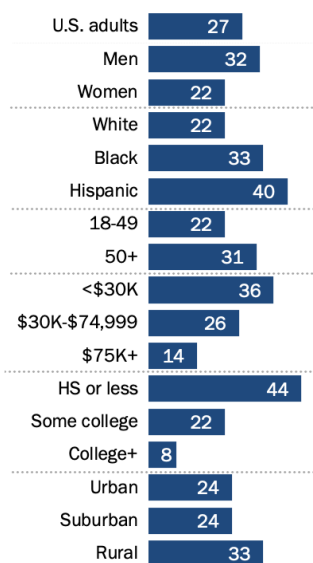
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bar graph

→ classify data **by** category

Who hasn't read a book in the past 12 months

% of U.S. adults who say they have not read a book in any format in the past 12 months



Note: Whites and blacks include only non-Hispanics. Hispanics are of any race.
Source: Survey conducted Jan. 8-Feb. 7, 2019.

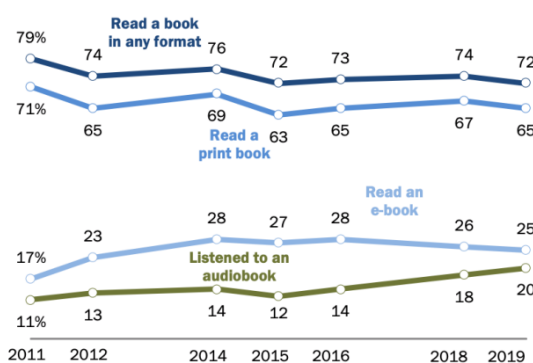
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line graph

→ **chart** the evolution of a **trend over** time

Print books continue to be more popular than e-books or audiobooks

% of U.S. adults who say they have ____ in the previous 12 months



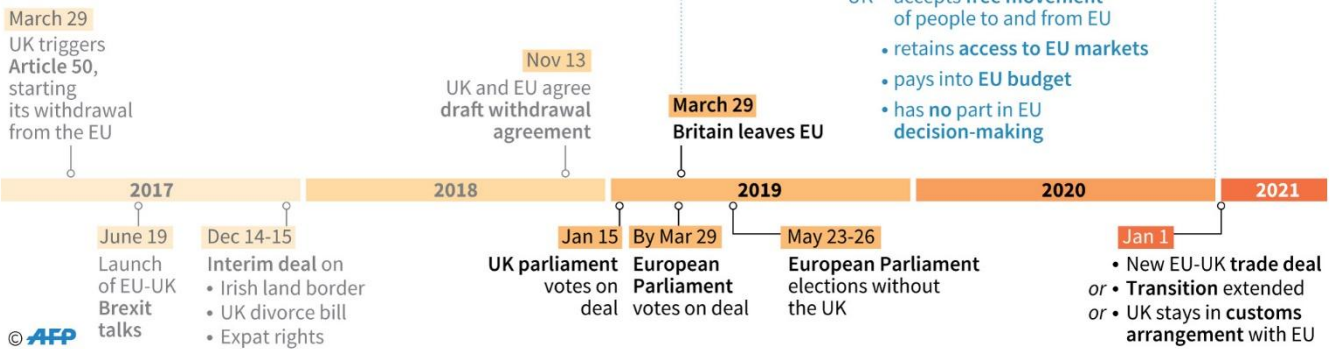
Note: Those who gave other answers or no answer are not shown.
Source: Survey conducted Jan. 8-Feb. 7, 2019.

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timeline

→ plot the moments when & the order in which key events (milestones) happened over a given time period

Brexit negotiations



table

Numbers of users, hashtags and tweets for Remain and Leave, 04/04/2016 to 09/06/2016 (<http://www.euvisions.eu/>)

Remain field			Leave field		
Users	Hashtag	Tweets	Users	Hashtag	Tweets
46,997	#strongerin	243,351	43,690	#voteleave	439,566
	#remain	82,459		#leaveeu	149,650
	#voteremain	32,204		#takecontrol	34,175
	#votein	12,281		#go	29,927
	#breain	12,056		#leave	22,044
	#intogether	8,865		#betteroffout	11,666

Annotations: value (points to #voteleave), row (points to #leave), column (points to #intogether)

map

