



Worksheets

Communicating Results



To graph or to chart—that is the question!

Match the data sets below with the best choice for their visualization:

line chart, **bar graph**, or **pie chart**.

- Population age of English speakers in Quebec over the last 20 years
- The staff's favorite types of Quebec-made cheeses
- Number of hours a week that Quebec's English speakers baby-sit a grandchild compared to French speakers (3 hours, 5 hours, 7 hours, overnight)
- Attendance numbers from the organization's AGM's for the past 10 year
- Which sectors your 38 partner organizations work in (health, employment, tourism, education, youth, 0 to 5)
- How many French speakers are less than 25 years-old and how many English speakers are less than 25 years-old in each MRC of the region
- The increase in the number of micro-breweries established in the region since 2008



Make a great line chart

Sara has noticed that over the last year, participation in her monthly workshops on best practices for financial health among women has increased a lot over the last year. Sara would like to use the data from her workshop attendance logs to show that women are increasingly interested in the topic of financial health to support an application to the *Ministre des Femmes, de l'Égalité des genres et de la Jeunesse* for funding to support the expansion of her current program.

Use a line graph to plot the number of female and male workshop participants in 2022-2023.



| Workshop date 2022-2023 | Topic | Male attendance | Female attendance |
|----------------------------|------------------------|--------------------|----------------------|
| April 12 | Budgeting 101 | 11 | 9 |
| May 15 | Types of accounts | 18 | 13 |
| June 13 | RRSPs vs. TFSAs | 15 | 17 |
| September 14 | Reading my pay stub | 9 | 19 |
| October 16 | Types of mortgages | 15 | 23 |
| November 14 | Donating 101 | 8 | 27 |
| January 13 | Wills and testaments | 11 | 33 |
| February 15 | Preparing for tax-time | 15 | 36 |
| March 11 | Investing 101 | 13 | 41 |

Title:



Make a great bar graph

Mark wants to use 2020 Census data to compare the number of English speakers who hold bachelor's degrees or higher with their French-speaking counterparts in his home region. He wants to show that there are higher levels of education for both language groups in MRCs that have universities located in them in order to advocate for the building of a new university in a particular area where both language communities have low numbers with higher education. MRCs 2 and 7 are home to universities.

Use a bar graph to show the information that Mark wants to convey when building his argument.



| Number of people with a bachelor's degree or higher. Source: Statistics Canada, 2021 Census of Population. | | | |
|---|-------|-----------------|------------------|
| MRC Name | Total | French speakers | English speakers |
| MRC 1 | 72 | 48 | 24 |
| MRC 2 | 311 | 172 | 139 |
| MRC 3 | 63 | 44 | 19 |
| MRC 4 | 11 | 9 | 2 |
| MRC 5 | 21 | 17 | 4 |
| MRC 6 | 88 | 62 | 26 |
| MRC 7 | 417 | 278 | 139 |
| MRC 8 | 94 | 74 | 20 |

Title:



Make a great pie chart

Mark wants to use 2020 Census data to compare the number of English speakers who hold bachelor's degrees or higher with their French-speaking counterparts in his home region. He wants to show that there are higher levels of education for both language groups in MRCs that have universities located in them in order to advocate for the building of a new university in a particular area where both language communities have low numbers with higher education. MRCs 2 and 7 are home to universities.

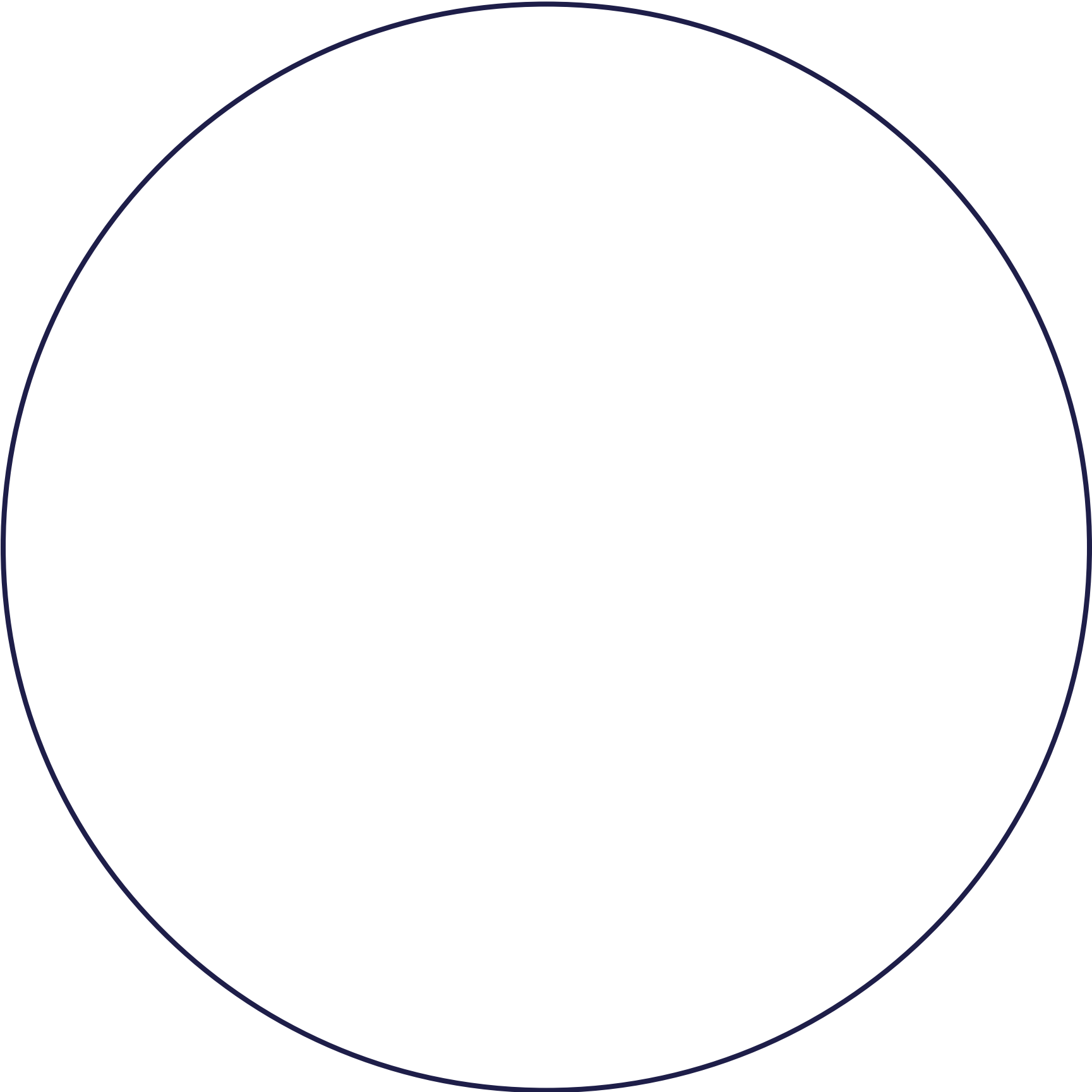
Use a bar graph to show the information that Mark wants to convey when building his argument.

Career Day workshop preferences for grade 10 classes at Solid Oaks Regional High School (N = 94)

| Workshop title | Total |
|---|-------|
| Can you really play a sport for a living?! | 27 |
| How I became a financial planner | 6 |
| Teaching 101 | 11 |
| How to become a social media influencer | 33 |
| AI can't install your toilet: why trades will never go out of style | 17 |



Title:



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