

Excel test using Statscan Labour Force Survey data for August 2020

1. Download the Labour Force Survey [table](#) from Statistics Canada.
2. Be sure to select every category in each tab: Geography; Labour force characteristics; Sex; Age Group.
3. Select the reference period from Jan 2020 to Aug 2020.
4. Download the result.
5. Open the csv file and paste the website's URL into the first available cell in the first row.
6. Save the csv file as an Excel workbook.
7. Open the Excel workbook.
8. Take a few minutes to apply your filter to make sure that each key column (Geography, Labour force characteristics, sex, age group) has all its values, and the date column contains months from January to August.
9. Use your pivot tables to answer the following questions.
10. Pivot table one: which jurisdiction had the highest unemployment rate in August?
11. Pivot table two: which age group IN CANADA had the highest unemployment rate in August?
12. Pivot table three: How did the unemployment rate for males and females IN CANADA in all age groups compare to each other in August?
13. Pivot table four: Which jurisdiction had the highest unemployment rate for males in the 15-24 age range in August?
14. Pivot Table five: What was the unemployment rate for males in the 15-to-24 age range for each jurisdiction – INCLUDING CANADA -- for the months from January to August.

15. Table one: Now we are going to calculate the percent difference for males in the 15-to24 age range from January to August. We will do this in another table we'll create using a paste-special.
16. Use the paste-special option to create a new table in a new tab. Do the necessary clean-up and provide proper labels for your columns. For instance, the first column should be called "Jurisdiction." The paste special will have converted the dates into numbers. So, you will have to label them, January, February, etc.
17. Be sure the label the new tab.
18. In a new column, which you can call "Percent_Diff_Jan-August", use the formula to calculate the percent difference from Jan to Aug. **BONUS**
19. In a second extra column we can call "Ratio_Jan-August", use the formula to calculate the ratio. **BONUS**
20. Sort the ratio column in descending order to determine the jurisdiction that experienced the sharpest unemployment increase for males in the 15-to-24 age group between January 2020 to August 2020. **BONUS**

Marking scheme:

Steps 1 to 4 = 1

Steps 5 – 7 = 1

Step 8-10 = 1

Step 11 = 1

Step 12 = 1

Step 13 = 1

Step 14 = 1

Step 15 = 1

Step 16 = 1

Step 17 = 1

Step 18 = 1

Step 19 -20 = 1