

## Working with the Class Size 2017-2018 extract from Data BC

<b>Understanding the Class Size 2017-2018 data extract</b>	Read the following documents: <ul style="list-style-type: none"><li>• <i>Class Size 2017-2018_definitions</i></li><li>• <a href="#">Ministry of Education data masking policy</a></li></ul>
<b>How can I work with this data set in Microsoft Excel?</b>	The following tutorials may be helpful: <ul style="list-style-type: none"><li>• <a href="#">Importing text (.txt or .csv) files into Excel</a></li><li>• <a href="#">Auto-filtering in Excel</a></li><li>• <a href="#">Sort data in a range or table in Excel</a></li><li>• <a href="#">Keeping leading zeros and large numbers in Excel</a></li></ul>

### Conventions in this document

<b>BOLDED_WITH_UNDERSCORES</b>	Indicates a column name (for example, <b>SUB_POPULATION</b> )
'Text within single quotation marks'	Indicates a column value (for example, 'FEMALE')

### Instructions

1. Open your local copy of the file.
2. Apply auto-filtering to the heading row. (This is not essential, but it makes it easier to work with the data when you have more than a screen's worth of rows.)
3. Use the auto-filter on the **DATA\_LEVEL** column to select either 'DISTRICT LEVEL', 'PROVINCE LEVEL', or 'SCHOOL LEVEL'.
4. The **PUBLIC\_OR\_INDEPENDENT** column is limited to 'BC PUBLIC SCHOOL'.
5. Use either **DISTRICT\_NUMBER** or **DISTRICT\_NAME** to select the district whose data you want to see.
6. Use either **MINCODE** or **SCHOOL\_NAME** to select the school whose data you want to see.
7. You may wish to sort one of the columns from H to O by smallest to largest or vice versa.

## Sample Questions

### Question:

Which school in BC had the most classes with over 30 students in 2015/2016?

Path to answer:

1. Filter **DATA\_LEVEL** to 'SCHOOL LEVEL'
2. Filter **SCHOOL\_YEAR** to '2015/2016'
3. Sort the values in **TOTAL\_CLASSES\_GREATER\_30** (column K) by largest to smallest.
4. Largest value in column K = 42
5. Column G (**SCHOOL\_NAME**) = Delta Secondary

### Question:

What was the average class size for grades 4 to 7 in BC in 2016/2017?

Path to answer:

1. Filter **DATA\_LEVEL** to 'PROVINCE LEVEL'
2. Filter **SCHOOL\_YEAR** to '2016/2017'
3. Column N (**AVG\_CLASS\_SIZE\_4\_7**) = 24.5