

## Excel test using Transport Canada's Vehicle Recall data

- 1) Go to the government's open-data site, and then to the Transport Canada [section](#).
- 2) Download the data dictionary and read it to make sure you understand the information in each column.
- 3) Because the file is so large, we will instead download a zipped version from the syllabus. To download the zipped file, click [here](#).
- 4) Unzip the file and save it as an Excel file and make a back-up copy.
- 5) Open the file, rename the worksheet to "original", and copy the URL into the first available cell in column one.
- 6) Copy the table and paste into a second worksheet and call it "WorkingCopy".
- 7) Delete the URL.
- 8) Filter the "Year" column for the 2005-2014 range.
- 9) Copy and paste the filtered table into a new worksheet called "2005-2014".
- 10) Drag the worksheet to the right of the "WorkCopy" tab to ensure that all of your worksheets read left-to-right.
- 11) Sort column G in descending order to find the largest recalls.
- 12) Create a pivot Table which groups the recalls by year, counts them, and sorts the COUNT column in descending order. This will tell us which year between 2007 and 2014 had the highest number of recalls. Label the worksheet "PivotTable\_1"
- 13) Create a "PivotTable\_2", which tell us which type of vehicle had the highest number of recalls in 2014. If you're not sure which column that is, consult the data dictionary that you downloaded in step two.

### Marking scheme

The test is out of five with one bonus mark

One mark for steps 1-5

One mark for steps 6-8

One mark for steps 9-11

Two marks for step 12

One bonus mark for step 13