

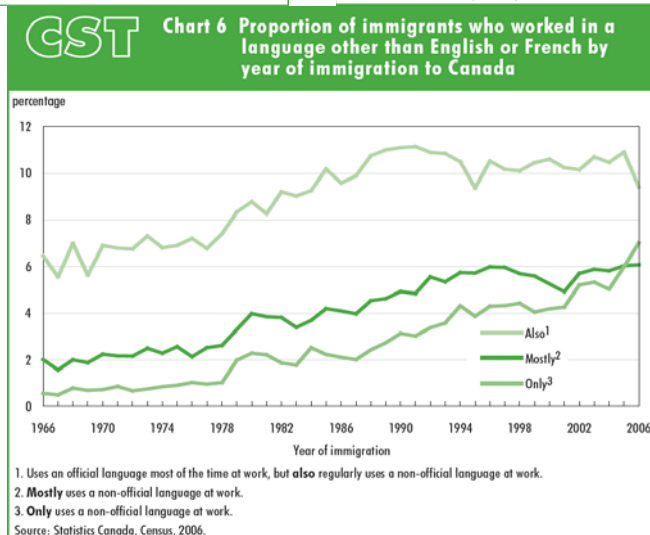
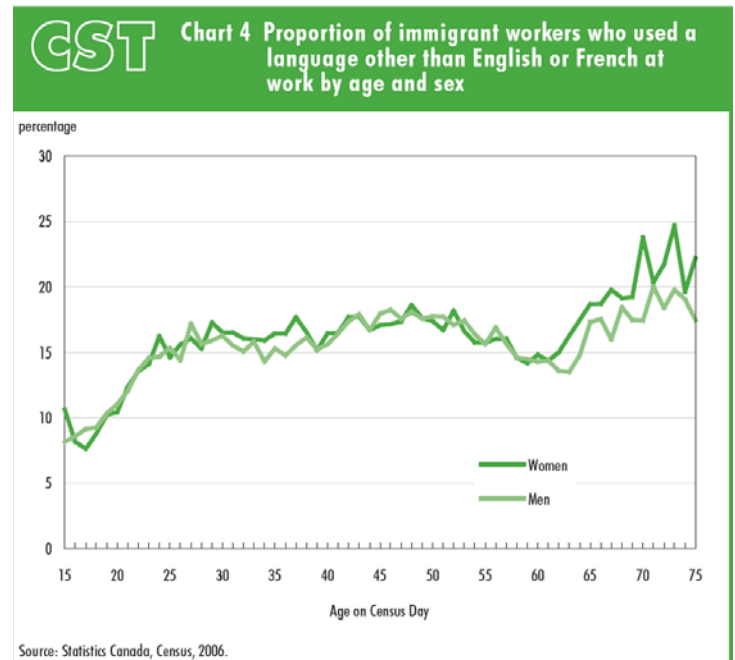
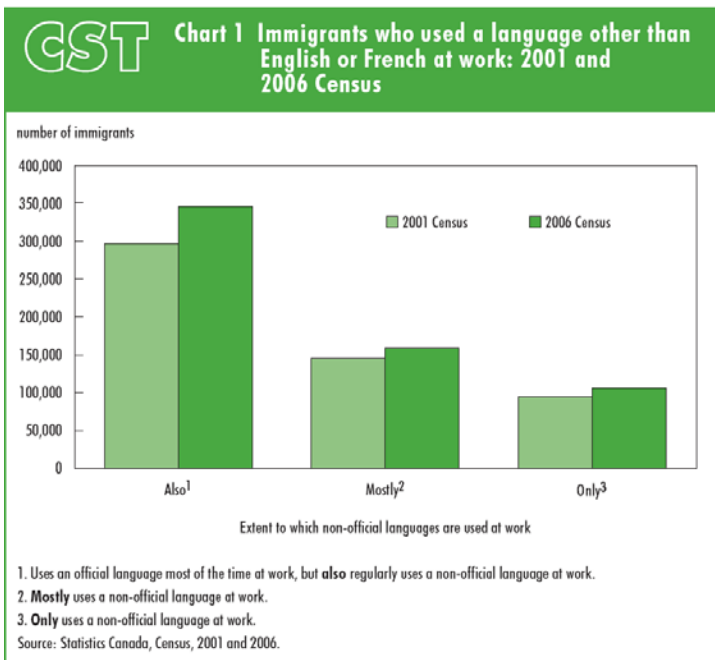
SOCI 213/4 B – Statistics II Assignment 1

This assignment is due on January 31, 2013. You may deposit your assignment in my mailbox in the Sociology and Anthropology Department on the 11th floor no later than the due date or you may hand it in during the class of January 31. Late assignments will not be accepted.

It is expected that your assignment be word-processed. If this poses a problem, please see me prior to the due date. Include your name and student ID number on every page and number each page.

Part 1 (worth 5%)

Based on the three graphs presented below, describe the use of the official language in the workplace in Canada and their relationship to the demographic and immigration variables.



Part 2 (worth 7.5%)

Use the SPSS file (**dataset_assignment1-213.sav**) which can be found on the course Moodle site. This file contains data for three variables which describe the use of video lottery terminals (VLT) among university students. The variables refer to the following questions:

1. Variable **vlt**. In the past year, did you spend or bet money on video lottery terminals?
2. Variable **vltfreq**. In the past year, how often did you bet or spend money on video lottery terminals?
3. Variable **vltspend**. How much money do you spend per month on video lottery terminals?

Perform the following:

1. Identify the level of measurement for **each** variable. **(0.75 point)**
2. Use SPSS to create a frequency distribution for **each** variable. **(0.75 point)**
3. Use SPSS to compute the appropriate measures of central tendency for **each** variable. **(0.75 point)**
4. Use SPSS to compute the measures of dispersion for **interval-ratio** level variables ONLY. **(0.75 point)**
5. Provide a brief interpretation (a couple of sentences) of the statistics for each variable. **(2 points)**

To access the SPSS file (**dataset_assignment1-213.sav**)

Log on to the course Moodle site and double-click the link for **Assignment 1 - Dataset**. You will be presented with a dialog where you can either **open** or **save** the file. If you choose **open**, SPSS will start and load the file so that is ready for analysis. If you choose **save**, you will need to double-click the file once it has been saved; this will start SPSS as if you had clicked on **open** above. You can then create the frequency distributions, measures of central tendency and measures of dispersion for each variable, as appropriate.

To copy the SPSS output into a program like MS Word

1. Start MS Word
2. Click the SPSS output window to make it the active window.
 - a. Click on the table you want to select.
 - b. From the **Edit** menu, click **Copy**.
3. Click the MS Word window to make it the active window.
 - a. From the **Edit** menu, Click **Paste**.
4. Repeat steps 2 and 3 for the remaining tables.
5. Save the Word file to a USB key.
6. Submit the printed file.

Be sure to clearly identify the statistics (measures of central tendency and dispersion) from the tables after you have copied them into Word. You should use the **highlighting tool in Word** to do this.