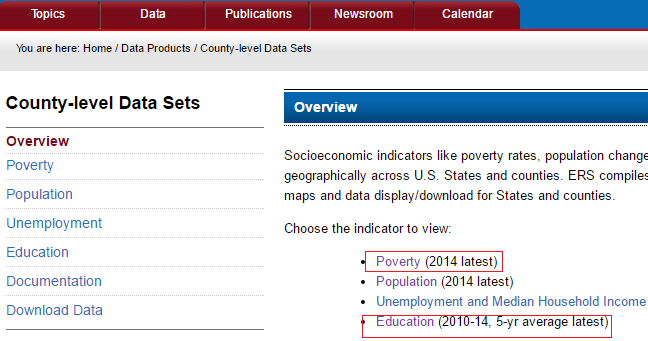
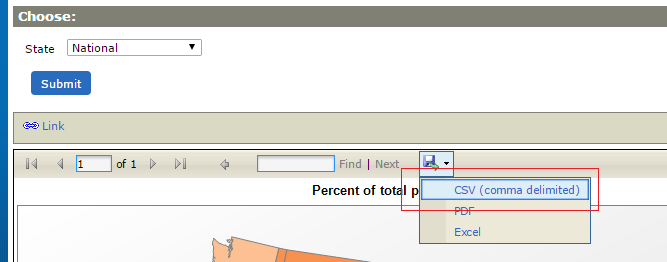
**Processing Document:**

1. Go to the source of dataset on website <http://www.ers.usda.gov/data-products/county-level-data-sets.aspx>



1. Extract the highlighted datasets on to the local drive in the csv format.



1. Open EducationReport.csv and copy columns state\_National, total\_est\_pct2, total\_est\_pct\_Bmin2, total\_est\_pct\_Bmax2, under18\_pct2, under18\_pct\_Bmin2, under18\_pct\_Bmax2 and paste it new CSV file.
2. Open PovertyReport.csv and copy columns rate\_2011, ID2010\_U, ID2010\_R and paste it new CSV file.
3. “Save as” this file as Education and Poverty rate combined.csv
4. Delete the unit (percentage sign) from all the values of columns total\_est\_pct and rate\_2011.
5. The resulting file, Education and Poverty rate combined.csv should be cited as Revalkar, P., Kurane, A. (2016, March 15). *Education and Poverty Rate combined.* [Dataset CSV file]. Retrieved from https://github.com/prasadrevalkar/INFM600/blob/master/Education%20and%20Poverty%20rate%20combined.csv. The data in the INFM600 repository is distributed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 Internation License (see http://creativecommons.org/licenses/by-sa/4.0/).
6. For analysis, open the Education and Poverty rate combined.csv in R using read.csv command and then run the correlation on total\_est\_pct2 and rate\_2011 columns using command cor.test(c$total\_est\_pct2,c$rate\_2011, data=c).
7. For visual representation we plotted a general plot in R using command plot(c$total\_est\_pct2, c$rate\_2011, xlab = "Poverty", ylab = "Education rate", main = "Poverty rate vs Education rate").

**References:**

1. United states Department of Agriculture. (2016, Feb 3). EducationReport [Dataset CSV file]. Retrieved from <http://www.ers.usda.gov/data-products/county-level-data-sets/education.aspx>. March 7, 2016.
2. United States Department of Agriculture. (2016, Feb 3). PovertyReport [Dataset CSV file]. Retrieved from <http://www.ers.usda.gov/data-products/county-level-data-sets/poverty.aspx>. March 7, 2016.
3. Revalkar, P. (2016), Kurane, A. (2016, March 15). Education and Poverty Rate combined. [Dataset CSV file]. Available from <https://github.com/prasadrevalkar/INFM600/blob/master/Education%20and%20Poverty%20rate%20combined.csv>.