

Processing Document:

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 them in new CSV file.
2. Open PovertyReport.csv and copy columns rate_2011, ID2010_U, ID2010_R and paste them in new CSV file.
3. “Save as” this file as Education and Poverty rate combined.csv.
4. Delete the 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 International License (see <http://creativecommons.org/licenses/by-sa/4.0/>).
6. For analysis, open the Education and Poverty rate combined.csv in R using command, `c = read.csv(“Education and Poverty rate combined.csv”)` 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 bar graph in Tableau. To plot a bar graph, connect to Education and Poverty rate combined.csv file and then drag States_National dimension to columns field and drag total_est_pct2 and rate_2011 to the rows field.

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

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<https://github.com/prasadrevalkar/INFM600/blob/master/Education%20and%20Poverty%20rate%20combined.csv>.