

Report on Preserving Cores of Prior Districts

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The following procedure will produce a report that shows the extent to which a plan preserves the cores of prior districts.

The report shows the percentage of the voting age population in each new district that resided in the districts used in the November 2000 election; in other words, the approximate percentage of the population in the new district that would have been eligible to vote for the candidate at the 2000 election. (The percentage is approximate because some of the voting age population may have been aliens, felons, or mental incompetents not eligible to vote.) The procedure does not attempt to determine whether there is an incumbent who resides in the part of the new district that is the core of a prior district.

The procedure then shows the user how to calculate for the plan the mean percentage for all districts in the plan.

1. Open the plan Senate00 (or House00, or Cong00)
2. Add the new plan as a layer
 - a. Layers - Add Layer - (new plan)
 - b. Rename - Senate Dists (new plan)
3. Run the Communities of Interest report
 - a. Layer: Senate Dists (new plan)
 - b. Selection: All Features
 - c. Identifier: Districts (If you forget to change the Identifier from "Name" to "Districts," you will get the error message "No currency has previously been set for this view . . .")
 - d. Summary Fields - Choose Fields
 - i. Drop - Population
 - ii. Add - 18+ Pop
 - iii. OK
 - e. Uncheck "Suppress Entities that are Not Split"
 - f. Leave checked "Print Part 1"
 - g. Leave unchecked "Print Part 2"
 - h. OK (You will encounter processing time of almost an hour here.)
4. Print the report
5. Export the report
 - a. To Crystal Reports format (if you have Seagate Crystal Reports installed on your PC), named "(new plan) Comint.rpt"; and
 - b. To your favorite spreadsheet or database program, e.g. Excel, and save the new

- file in the directory for the new plan
6. Open the new file, e.g. the Excel spreadsheet
 7. Copy into a new column, e.g. one to the right of the percent population column, the Senate00 district with the largest percentage of population in each new district.
 8. Calculate the average percentage for all districts, e.g. Paste Function - Average
 9. Write the result on your Communities of Interest report, below the “Total number of splits”
 - a. By hand; or
 - b. Open the Crystal Reports file you saved in step 5a
 - i. Double click on the area near “Total number of splits” to open the subreport “COI 3” in Preview mode
 - ii. Insert three text boxes below “Total number of splits” to read: “Average core of prior district __ Percent”
 - c. Save the report
 - d. Print the report
 - e. Close the report