

# Election Management Source

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The next two programs to create a county voter "base.csv" data file from the Secretary of State data file

## nvvoter1.pl

### Command syntax:

```
perl nvvoter1.pl [-infile <SOSfile> ][-outfile <Outfile>] [-config  
<configfile>]
```

SOSfile - Secretary of State Vote History File (.VtHst. file downloaded from SOS web site)

outfile – processed vote history file. Default name is voterdata.csv in current directory

configfile – Configuration file. Default is nvconfig.xlsx in current directory.

The SOSfile indicates the 20 election cycles to compile votes from each voter. This program takes the Secretary of state vote history file which has a single row for every vote and processes it into file that contains a single line for each voter listing whether or not they voted in each of 20 election cycles. The particular cycles are specified in "configfile".

- Note: After running nvvoter1.pl the output file must be sorted by voter ID to become input for nvvoter1.pl.\*

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## nvvoter2.pl

### Command syntax:

```
perl nvvoter2.pl [-infile <SOSfile>] [-outfile <outfile>] [-config  
<configfile>]  
[-statsfile <statsfile>] [-pctfile <precinctfile>] [-emailfile  
<emailfile>]
```

SOSfile – Secretary of State Eligible Voter File (.ElgbVtr. file downloaded from SOS web site)

outfile – final base.csv output file. Default is base.csv in current directory.

configfile – Configuration file. Default is nvconfig.xlsx in current directory. This file indicates the 20 election cycles to compile votes from each voter .

statsfile – is the voterdata output file form NVVOTER1.PL sorted by voter ID. Default is voterdata-s.csv.

precinctfile – output file of vote and registration data by precinct. Default is precinct.csv in current directory.

emailfile – optional file that has email addresses to add to base.csv. Default is no file used.

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## Program to split a county base.csv file into simplified and formatted precinct spreadsheets

### base\_precinct\_xlsx.py

#### Command syntax:

```
py base_precinct_xlsx.py [-s <basefile>] [-p <precinct>]
```

basefile – Compiled County Secretary of State data file, output of nvvoter1.pl & nvvoter2.pl. Default is base.csv in current directory.

precinct – Selection option to extract a single precinct. All precincts are extracted.

- Note: Output is one or more formatted .xlsx files each with a simplified view of a single precinct. The output file(s) have the following naming format:

PCTID\_pppp\_TOTttt\_REPrrr\_DEMddd\_OTHooo.xlsx

- ppp = precinct number
  - ttt = total registered voters in this precinct
  - rrr = tot registered republicans in this precinct
  - ddd = total registered democrats in this precinct
  - ooo = total registered no part or other party voters in this precinct.
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## Program to extend member file with some information from the county base.csv file

### memberextend.py

#### Command syntax:

```
py memberextend.py [-s <SOSfile>] [-p <Pctfile>] [-m <memfile>] [-O <outfile>]
```

SOSfile – the county base.csv file. Default is base.csv in current directory. Pctfile – cross reference file of precinct to district. memfile – original Excel member spreadsheet outfile – Extended member spreadsheet. Default is extract.csv in current directory.

- Note: Program also has as input the file NickNameList.xls which is used to math full names and nicknames.

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## Program to report one or more l360 survey results

### nvreport.pl

#### Command syntax:

```
perl nvreport [-infile <filename.csv>] [ -outfile<filename>] [-survey
<path>]
    [-select param,param,...]
```

infile - reports from a single file and must be csv format.

survey - reports from survey files in the specified directory.

Note: In the absence of either -infile or -survey the current working directory will be used as if a -survey cwd were specified.

select - specifies which files in the survey directory will be selected.

- ADnn - selects files from matching assembly district.\* SDnn - selects files from matching senate district.
- AD pn - selects files from the specified survey phase.
- rep - selects file that surveyed republican voters.
- Notedem - selects file that surveyed democrat voters.
- Noteoth or oth - selects file that surveyed other party voters.
- high - selects file that surveyed high propensity voters.
- mod - selects file that surveyed moderate propensity voters.
- low - selects file that surveyed low propensity voters.
- Note: parameters can be combined in any way. Example: -select p0,AD27,rep,oth,high,mod\n\n";

pers - specifies that only some respondent persuasion(s) will be compiled.

- C - selects voters who self select as Conservative.\n";
- MC - selects voters who self select as Moderately Conservative.\n";
- M - selects voters who self select as Moderate.\n";
- MP - selects voters who self select as Moderately Progressive.\n";
- P - selects voters who self select as Progressive.\n";
- Note: parameters can be combined in any order. Example:\n"; -pers C,M,MC\n\n";

qfile - text file of question text to substitute for the I360 text.\n";

outfile - specifies the output report file. Default is report.txt\n";

- Note: Input files come from i360 (More should be written here about how that's done)