Maintain Geographic Data

Figure 3
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Maintaining geographic data and associating it with individual voters form the building blocks of everything else in election administration. Election officials need to maintain address information, district boundaries, precinct boundaries and precinct split information in order to determine what an individual voter is eligible to vote on in a given election.
1.1.1 Maintain addresses
Every election office needs to know where people in their jurisdiction could live.

1.1.2 Maintain district boundaries
Once we know where our voters live, we need to know which contests they can vote on.

1.1.3 Maintain precinct boundaries
Based on where they live, each voter is assigned a specific precinct — a smaller district within the larger jurisdiction.

1.1.4 Determine precinct-splits
A precinct-split is the smallest subset of ballot configurations based on how the different districts overlap within a precinct. For instance, two addresses may share a congressional district but have different school districts. The precinct-split makes sure only one instance of every race is on the ballot.

1.1.5 Index address to precinct-split
Addresses are indexed to the appropriate precinct-splits, and voters are assigned accordingly.
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