We chose to do "transitions" for each year of the election in each of the districts. The key is as follows:

0 ('R', 'R')

1 ('R', 'D')

2 ('R', 'I')

3 ('D', 'R')

4 ('D', 'D')

5 ('D', 'I')

6 ('I', 'R')

7 ('I', 'D')

8 ('I', 'I')

where the left member is the previous year and the right member is the current year.

Data was collected from the CQ data collection. Comparison was made between districts in consecutive years.