**Retrospective Voting in the 2012 Presidential Election**

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**Interval Variables for the County Level Analysis**

Age Intervals for Obama

 22.4-34.6 1

 34.7-36.8 2

 36.8-38.3 3

 38.4-39.3 4

 39.4-40.3 5

 40.4-41.2 6

 41.3-42.5 7

 42.6-44.2 8

 44.3-46.8 9

 46.9-62.7 10

Income Intervals for Obama

 40.29-64.33 1

 64.34-69.08 2

 69.09-73.09 3

 73.1-76.69 4

 76.7-80.25 5

 80.26-84.39 6

 80.27-89.28 7

 89.29-96.15 8

 96.16-106.08 9

 106.09-290.75 10

Income Intervals for Bush

 34.85-60.74 1

 60.75-65.2 2

 65.22-69.23 3

 69.24-72.83 4

 72.84-75.99 5

 76-79.38 6

 79.39-83.42 7

 83.43-88.93 8

 88.94-98.23 9

 98.24-257.3 10

Age Intervals for Bush

 20.6-33.2 1

 33.3-34.8 2

 34.9-35.9 3

 36-36.8 4

 36.9-37.5 5

 37.6-38.3 6

 38.4-39.3 7

 39.4-40.5 8

 40.6-42.3 9

 42.4-58.6 10

Age Intervals Clinton

 20.35-31.45 1

 31.46-33.3 2

 33.4-34.25 3

 34.26-35 4

 35.01-35.85 5

 35.86-36.6 6

 36.01-37.5 7

 37.51-38.65 8

 38.66-40.3 9

 40.31-54.2 10

Income Intervals Clinton

 33.06-62.94 1

 62.95-67.86 2

 67.87-71.72 3

 71.73-75.1 4

 75.11-78.55 5

 78.56-81.91 6

 81.92-85.78 7

 85.79-90.49 8

 90.5-100.09 9

 100.1-253.42 10

**Interval Variables for Individual Level Analysis**

Age Intervals

18-20 1

21-24 2

25-29 3

30-34 4

35-39 5

40-44 6

45-49 7

50-54 8

55-59 9

60-64 10

65-69 11

70-74 12

75 or Older 13

Income Intervals

 Under $25,000 1

$25,000 but less than $30,000 2

$30,000 but less than $35,000 3

$35,000 but less than $40,000 4

$40,000 but less than $50,000 5

Education Intervals

8th Grade or Less 1

High School Incomplete 2

High School Degree 3

Some College but no Degree 4

Associates Degree 5

College Degree 6

Postgraduate Degree 7

Ideology Intervals

 Very conservative 1

Conservative 2

Moderate 3

Liberal 4

Very liberal 5