Appendix I. Detailed maps of Vulnerability and Opportunity Index, the index components, and related maps.

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Classification By Quantiles (for the SACOG Region)

-1.14 - 0.48 (very low)
-0.48 - -0.18 (low)
-0.18 - 0.07 (moderate)
0.07 - 0.46 (high)
0.46 - 2.11 (very high)

The tract categories are based on a standard score, called z-score, which is used to compare each census tract to the overall SACOG region. It is derived by subtracting the mean for all tracts in the region from the individual tract raw score and dividing the difference by standard deviation across all census tracts. A tract is defined as "much lower than average" if a z-score is below -1.5, "lower than average" as between -1.5 and -0.5, "close to average" as between -0.5 to 0.5, "higher than average" as between 0.5 and 1.5, and "much higher than average" as above 1.5. Due to distribution of each dataset, not all the categories are present in a map.
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Percentage of the Population Non-Hispanic Black

Average tract = 6%

- 0% - 3% (lower than average)
- 3% - 10% (close to average)
- 10% - 18% (higher than average)
- 18% - 46% (much higher than average)

Margin of Error too large; Data is unreliable

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Percentage of the Population Non-Hispanic American Indian and Alaskan Native

Average tract = 1%

0% - 1% (close to average)
1% - 3% (higher than average)
3% - 13% (much higher than average)

Margin of Error too large; Data is unreliable

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Map created Sept 2011 by Bette Jawher Titi

Source: ACS 2005-09
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Percentage of the population Non-Hispanic Asian
Average tract = 10%

0% - 5% (lower than average)
5% - 14% (close to average)
14% - 24% (higher than average)
24% - 52% (much higher than average)
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Percentage of the Population Non-Hispanic Some Other Race

Average tract = 0%

- **0% - 1% (close to average)**
- **1% - 4% (higher than average)**

Margin of Error too large; Data is unreliable

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Source: ACS 2005-09

Map created Sept 2011 by Beldina Jawaheer Titi
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Percentage of Individuals 25 years and older with a Bachelor's Degree or higher

Average tract = 28%

- Red: 2% - 4% (much lower than average)
- Orange: 4% - 20% (lower than average)
- Yellow: 20% - 36% (close to average)
- Green: 36% - 52% (higher than average)
- Light Green: 52% - 80% (much higher than average)

Margin of Error too large; Data is unreliable

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Percentage of the population 25 years and older with less than a high school degree

Average tract = 14%

- **6% - 9% (lower than average)**
- **9% - 20% (close to average)**
- **20% - 31% (higher than average)**
- **31% - 52% (much higher than average)**

Margin of Error too large: Data is unreliable

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Unemployment Rate

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Percentage of Population Below 200% of Poverty Level

The tract categories are based on a standard score, called z-score, which is used to compare each census tract to the overall SACOG region. It is derived by subtracting the mean for all tracts in the region from the individual tract raw score and dividing the difference by standard deviation across all census tracts. A tract is defined as "much lower than average" if a z-score is below -1.5, "lower than average" as between -1.5 and -0.5, "close to average" as between -0.5 to 0.5, "higher than average" as between 0.5 and 1.5, and "much higher than average" as above 1.5. Due to distribution of each dataset, not all the categories are present in a map.
Percent of Businesses with Lower Sales in 2008 than 2001

Average tract = 75%

- 66% - 64% (much lower than average)
- 64% - 71% (lower than average)
- 71% - 79% (close to average)
- 79% - 86% (higher than average)
- 86% - 100% (much higher than average)

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Percent of Businesses that Closed between 2001 and 2008

Average tract = 21%

- 8% - 14% (much lower than average)
- 14% - 19% (lower than average)
- 19% - 23% (close to average)
- 23% - 26% (higher than average)
- 26% - 53% (much higher than average)

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Proportion of Renter and Owned Occupied Units with 1.01 or More Occupants per Room

Average tract = 6%

- 0% - 3% (lower than average)
- 3% - 10% (close to average)
- 10% - 17% (higher than average)
- 17% - 55% (much higher than average)

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Percent of Renter and Owner-Occupied Housing Units
Paying more than Half of Household Income in Housing Costs

Percent of renter and owner-occupied housing units paying more than 0.5 of household income in housing costs
Average tract = 19%

1% - 9% (much lower than average)
9% - 16% (lower than average)
16% - 22% (close to average)
22% - 29% (higher than average)
29% - 39% (much higher than average)

Margin of Error too large; Data is unreliable

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Number of Jobs in 2008
Average tract = 2446

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Job Change 2001-2008 in Industries with Higher than Average Wages

Average tract = 73

-10.021 to -1.277 (much lower than average)
-1.277 to -0.377 (lower than average)
-0.377 to 0.377 (close to average)
0.377 to 1.423 (higher than average)
1.424 to 7.095 (much higher than average)

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Map created Sept 2011 by Bleta Jawhar Tithi
Percentage of households in mid-income bracket which is $25,000(25%) to $99999 (75%)
Average tract = 52%
12% - 36% (much lower than average)
36% - 47% (lower than average)
47% - 56% (close to average)
56% - 65% (higher than average)
65% - 71% (much higher than average)
Margin of Error too large; Data is unreliable

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Percentage of Workers Using Other Means of Transportation to Work besides Driving Alone

Average tract = 25%

11% - 12% (much lower than average)
12% - 21% (lower than average)
21% - 30% (close to average)
30% - 39% (higher than average)
39% - 78% (much higher than average)

Margin of Error too large; Data is unreliable

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Academic Performance Index - Elementary and High Schools

The categories are based on quintiles, which compare each school to all other schools in the SACOG region.

Map created April 2011 by Suzanne Plant
The categories are based on quintiles, which compare each school to all other schools in the SACOG region. The 4-year derived dropout rate is an estimate of the percent of students who would drop out in a four year period based on data collected for a single year.
Access to English Instruction - Elementary and High Schools

The categories are based on quintiles, which compare each school to all other schools in the SACOG region. Percent redesignated refers to the percent of students who were considered English learners in the previous year and proficient in English this year.

Map created April 2011 by Suzanne Plant
High School Truancy Rate

The categories are based on quintiles, which compare each school to all other SACOG schools.
Truancy rate is defined as number of truants divided by number of enrolled students. A student is truant if he or she misses more than 30 minutes of instruction without an excuse three times during the school year.

Map created April 2011 by Suzanne Plant
The categories are based on quintiles, which compare each school to all other SACOG schools.
Voter Turnout Rate - 2008 Election

The categories are based on quintiles, comparing each precinct to all other precincts in just Yolo and Sacramento Counties.