Population Update of the REMI Model

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SCAG vs. REMI Baseline Forecast

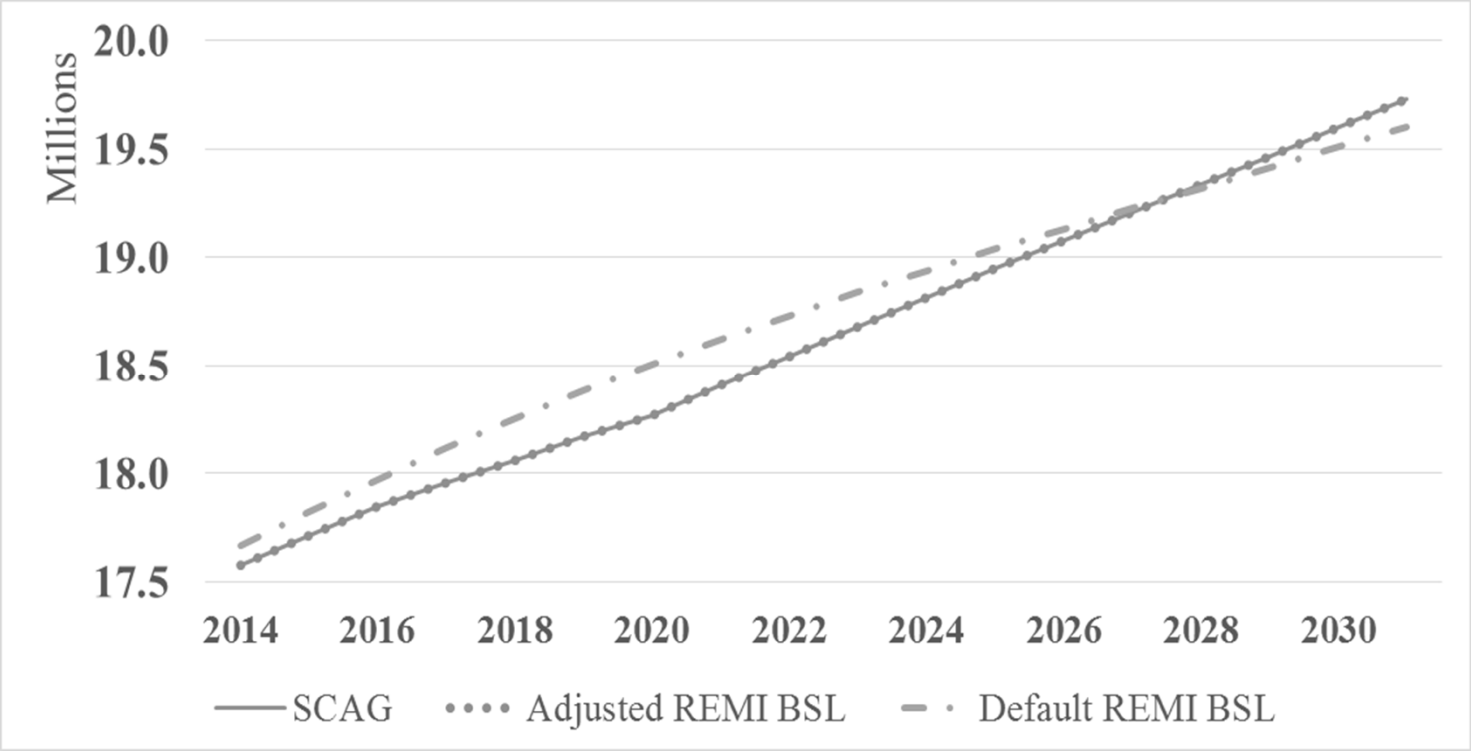
- U.S. Census Bureau data used for both REMI historical data and the base year (2012) in the SCAG growth forecast
- **REMI forecast**: benchmarked to national projections by U.S. Census Bureau and refined with region-specific parameters (birth and death rates & international migration rates)
- **SCAG forecast**: considered various data sources, including U.S Census Bureau and CA DOF, and refined with local inputs

Adjustment Method

- SCAG provided population data
  - By gender, race/ethnicity, and 18 age cohorts
  - For 12 years between 2012-2031
  - For each of the 21 sub-county region as in the custom-built REMI model
- Linear interpolation used for any missing in-between years
- 2014-2031 data transposed to be entered into REMI Population Update
- REMI baseline adjusted concurrently with Employment Update

Results

- Perfect alignment at the aggregate level & infinitesimal differences for each of the gender-by-race/ethnicity-by-age cohort-by-subregion-by-year cell.



Implications

- REMI Population Update operates through adjustments to ***International Migration***
  - No adjustments to birth rates were made (1994 CCSCE recommendation)
  - Instead, population was updated by "brute force" and achieved perfect alignment with SCAG forecast
- International migrants modeled as having the same economic behaviors as locals
  - A different baseline population forecast
  - BUT, no change in key parameter values that could influence simulation results, especially not in terms of job impacts