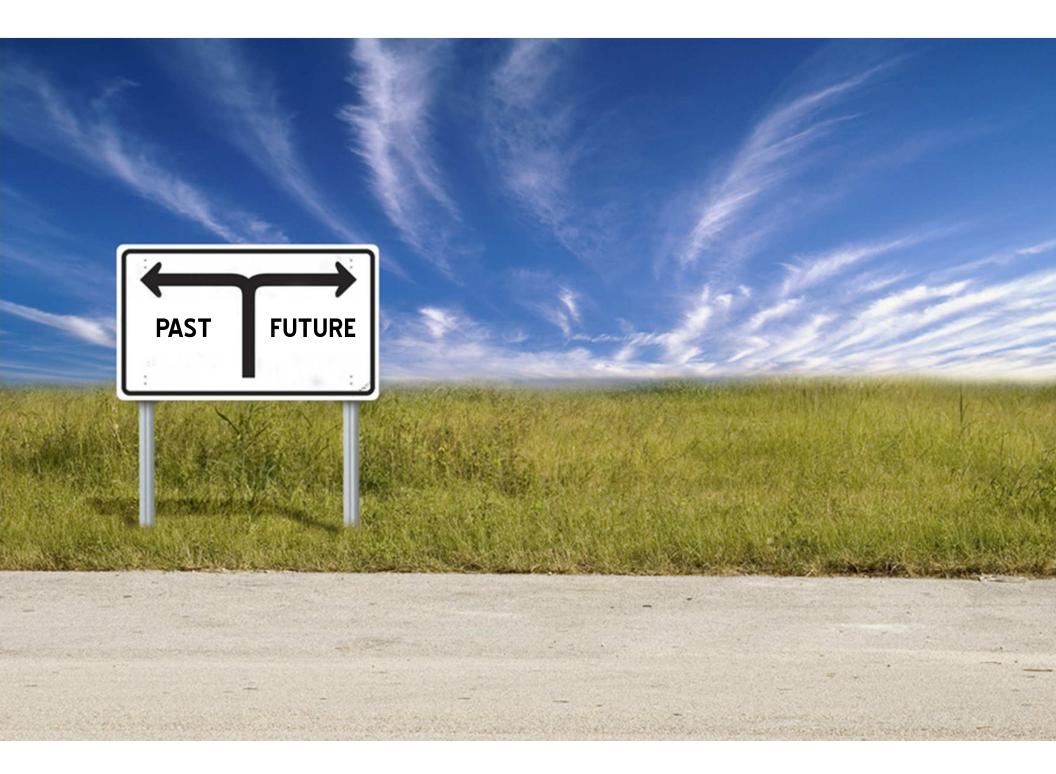
Virginia Population Projections

COG Cooperative Forecasting and Data Subcommittee September 11, 2012

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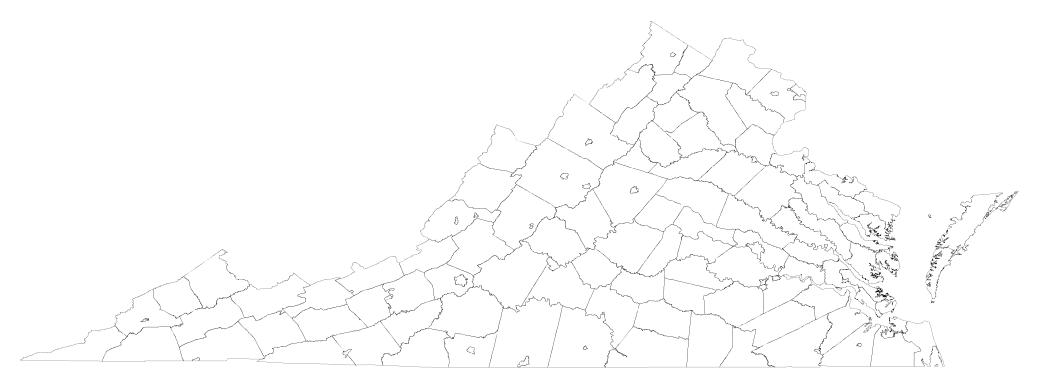
Estimates vs. Projections





Population Projections For a logical formulation Sex * Age * { Race Hispanic Origin

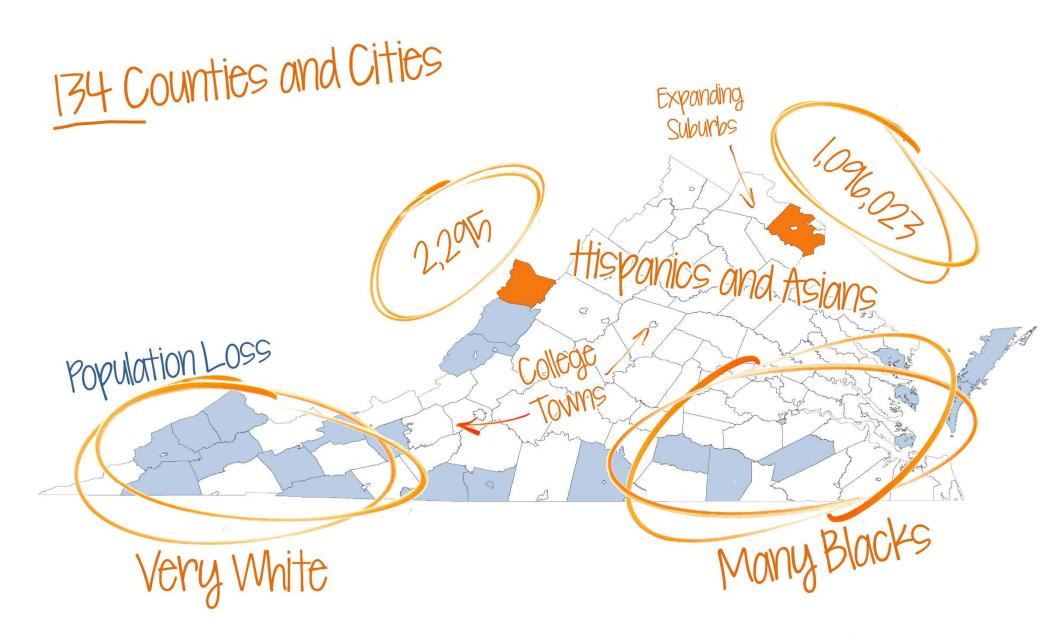


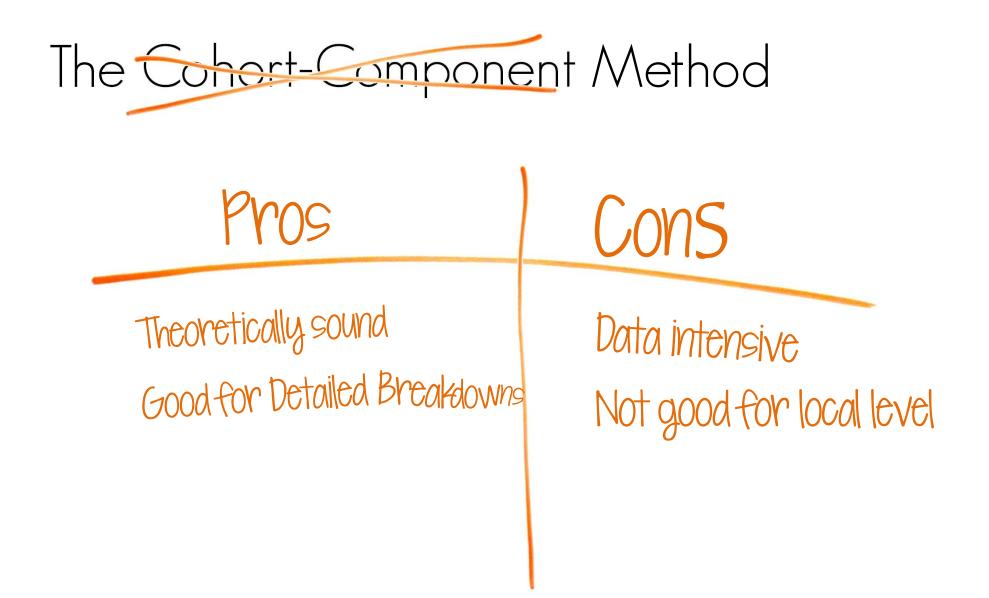






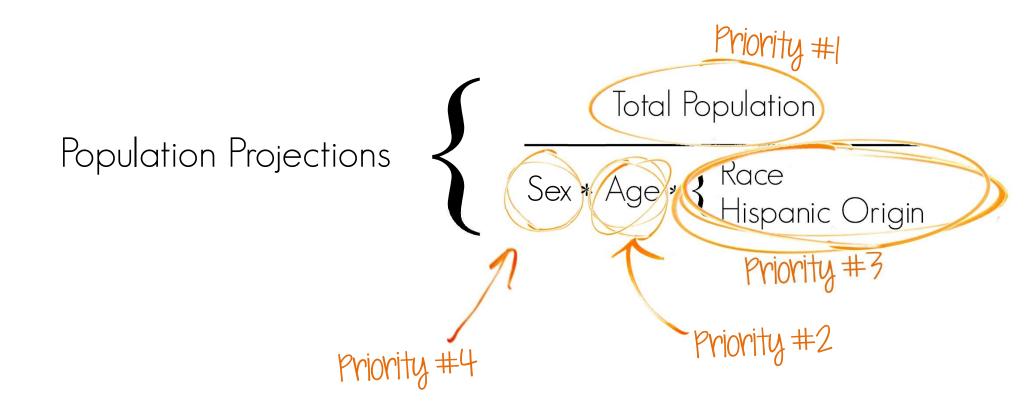






Criteria

- 1. Parsimony
- 2. Statewide Applicability
- 3. Locality-specific



Our Approach

Multi-layered methodological approach:

- 1. <u>Total Population</u>: Autoregressive mixed-effects model
- 2. <u>Age</u>: Hamilton-Perry method
- 3. <u>Race & Ethnicity</u>: Hamilton-Perry method
- 4. <u>Sex</u>: Holding constant to 2010 ratios

Observed and Projected Characteristics, Virginia (Sum of Localities)

	Obse	erved	Projected			
	2000	2010	2020	2030	2040	
Age	Growing Old -	1				
Under 15	20.5%	19.2%	18.6%	18.6%	18.8%	
Over 65	11.2%	12.2%	15.4%	18.3%	18.1%	
Race	Growing	Racial Diversity -	~>			
White	72.3%	68.6%	65.3%	62.0%	58.6%	
Black	19.6%	19.4%	19.0%	18.3%	17.3%	
Asian	3.8%	5.6%	6.9%	8.2%	9.6%	
Other race	4.3%	6.5%	8.8%	11.5%	14.5%	
<u>Ethnicity</u>	Growin	ng Ethnic Diversity	$ \rightarrow $			
Non-Hispanic	95.3%	92.1%	88.9%	85.3%	81.4%	
Hispanic	4.7%	7.9%	11.1%	14.7%	18.6%	

Today Mar 22	Fri 23	Sat 24	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 31
6			The second	6	٠	8	e		6
Partly Cloudy	Mostly Sunny	T-Showers	Rain / Thunder	Partly Cloudy	Sunny	Partly Cloudy	Partly Cloudy	Sunny	Partly Cloudy
83°F High	82°	73°	60°	72°	64°	71°	73°	66°	67°
57° Low	59°	57°	<mark>49°</mark>	43°	42°	55°	<mark>50°</mark>	45°	49°

Future predictions can be wildly inaccurate



Many factors affect population growth...





...and decline.

Contact

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