

# Northwest Forest Plan & Northeast California Demographics 2000-2016

Cherilyn Neider

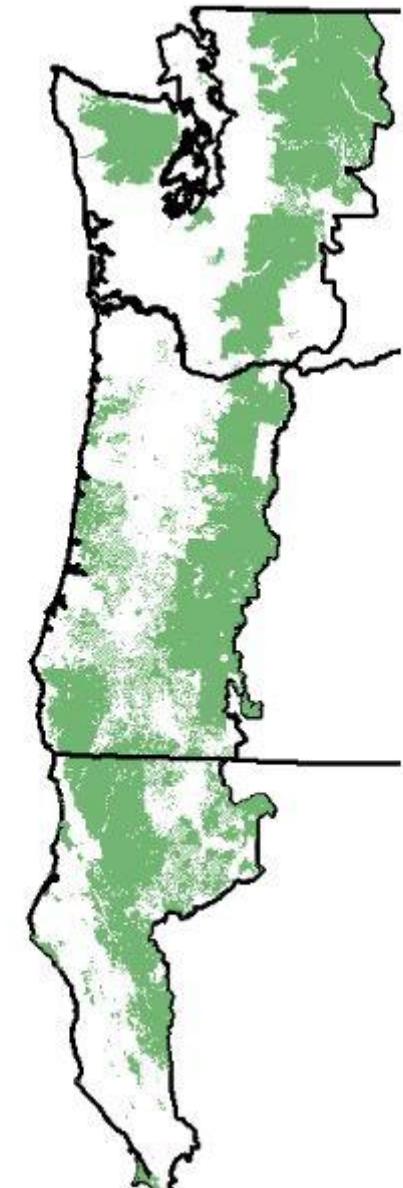
23 May 2019

Geography 093

N. Jennings

# Project Objectives

- Northwest Forest Plan – 1994
  - What is happening in the area outside of the Northwest Forest Plan?



- Get as much out of this class as possible.
  - Census data, TIGER Files, FIPS ID, Double
  - Attribute Tables, Excel
  - Symbols, labeling, cartography
  - Tools: Tabulate Intersect, Clip, Buffer, Union, Layers of selected attributes, filter attributes
  - Charts and Graphs
  - ArcPro, Web Application, Web App

# Purpose

- **Federal Land**
  - US Forest Service (USFS)
  - Bureau of Land Management (BLM)
  - National Parks
- Census Data (Existing Project)
  - California & Oregon Counties outside of or adjacent to the Northwest Forest Plan
  - Data from 2000, 2010, 2016
- Major Highways (Caltrans)
- Northwest Forest Plan (USFS)
- Timber Mills (USFS)
- Timber Harvest
  - Federal (USFS)
  - Private (Calfire)

Private Land vs.  
Federal Land –  
How much usable  
land?

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**Demographic  
Changes – Are  
there patterns in  
demographic  
changes?**

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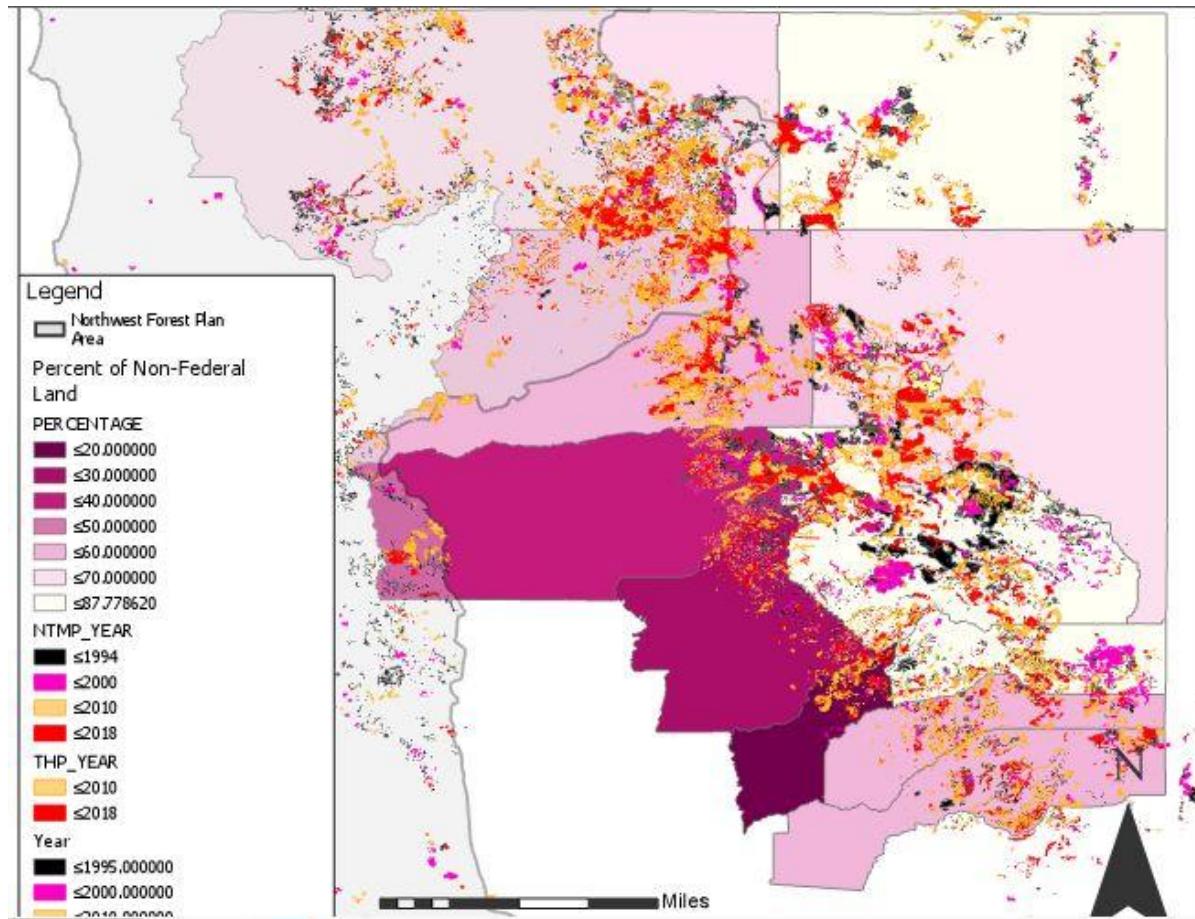
Information that  
adds to analysis

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Changes in Timber  
Harvest Since  
1994

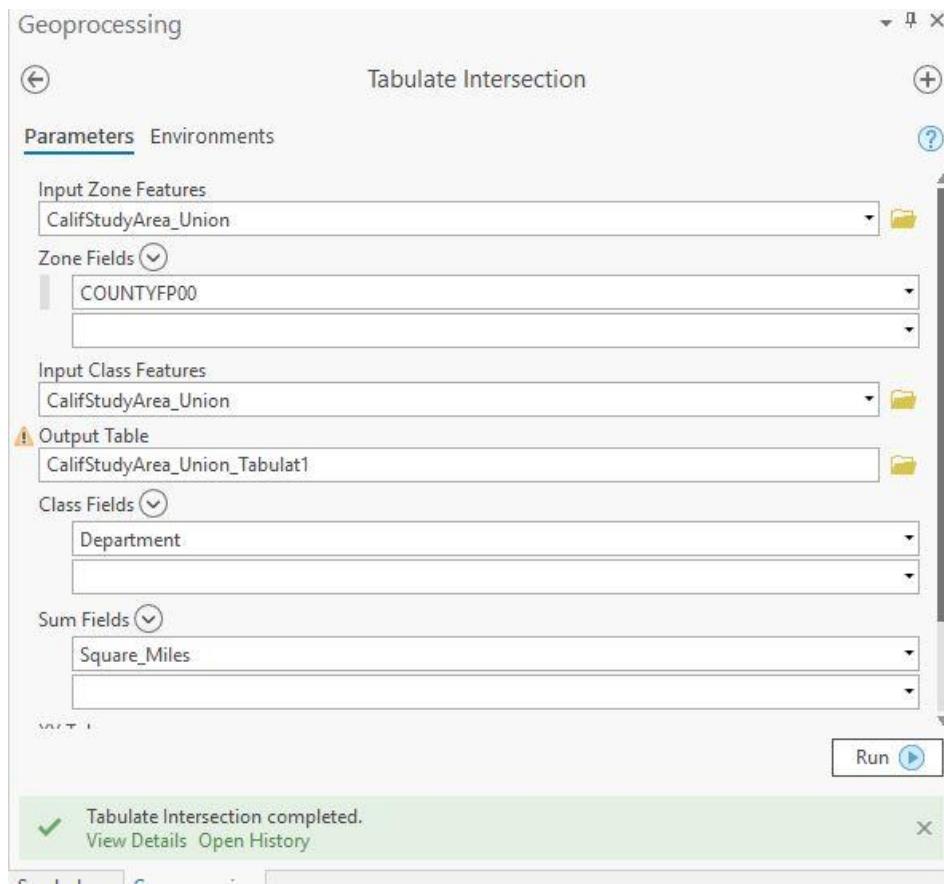
# Changes in Timber Harvest Since 1994



Timber Harvest  
Federal (USFS)  
Private (Calfire)

# Private Land vs. Federal Land

## – How much usable land?



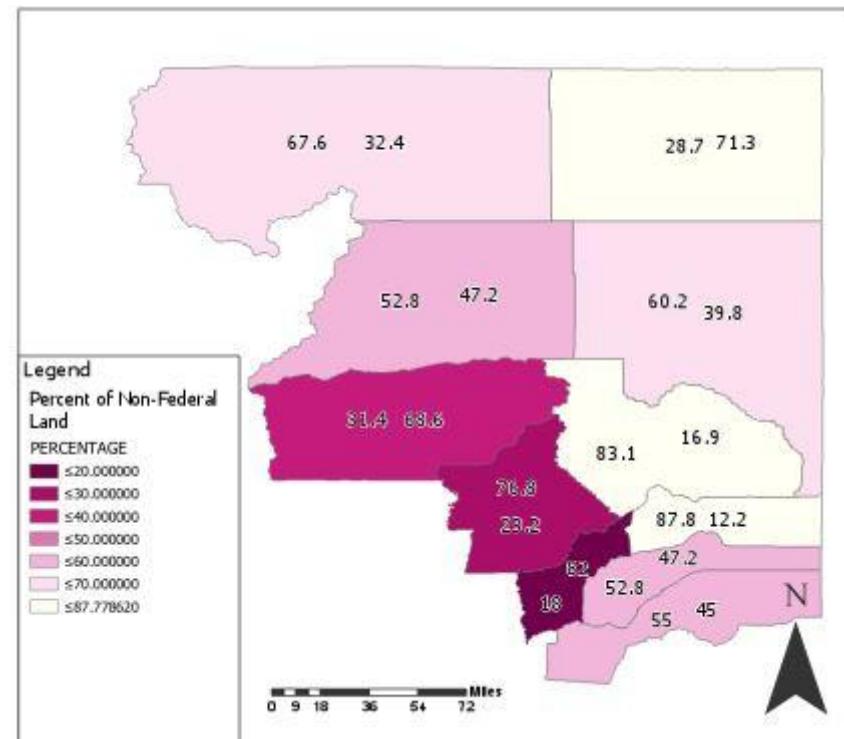
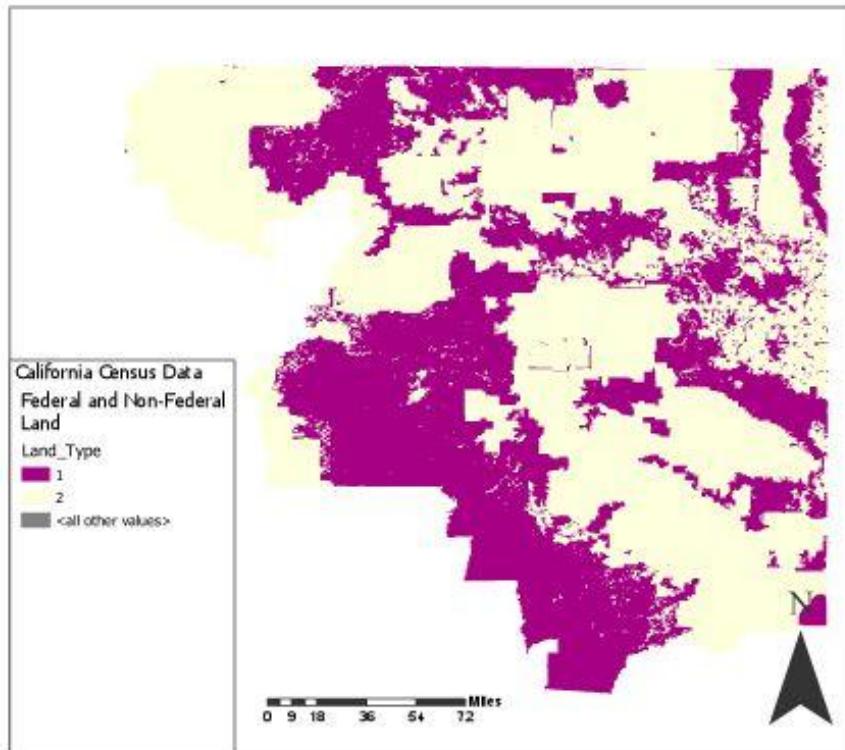
**Federal Land**  
**US Forest**  
**Service (USFS)**  
**Bureau of Land**  
**Management**  
**(BLM)**  
**National Parks**

### Challenges:

- Only BLM, USFS, & National Parks. Did not use State, BoR, et
- Replicating what I did the first time!

# Private Land vs. Federal Land

## – How much usable land?



# Demographic Changes

## – Are there patterns in demographic changes?

1	A	B	C	D	E	F	G	H	I	J	K	L
2	GEO.id	GEO.id2	GEO.displ	VD01								
3	Id	Id2	Geograph	Total:	2000 Total	2000 Pove						
3	05000000US	6007	Butte Cou	197816	39148	20%	11547	29%	16579	42%	6969	18%
4	05000000US	6035	Lassen Co	24853	3484	14%	1204	35%	964	28%	836	24%
5	05000000US	6049	Modoc Co	9142	1962	21%	710	36%	429	22%	475	24%
6	05000000US	6057	Nevada Co	90922	7332	8%	2166	30%	1350	18%	2362	32%
7	05000000US	6061	Placer Cou	245680	14272	6%	4317	30%	3906	27%	3827	27%
8	05000000US	6063	Plumas Co	20571	2686	13%	801	30%	706	26%	733	27%
9	05000000US	6089	Shasta Co	159917	24556	15%	9082	37%	5712	23%	6303	26%
10	05000000US	6091	Sierra Cou	3515	397	11%	122	31%	79	20%	144	36%
11	05000000US	6093	Siskiyou Co	43699	8109	19%	2825	35%	1752	22%	2282	28%
12	05000000US	6103	Tehama Co	55088	9503	17%	3670	39%	2274	24%	2206	23%
13	05000000US	6115	Yuba Cour	58696	12205	21%	5038	41%	3014	25%	2828	23%
14												
15												
16												

NAME	LSD10	PercentC		PercentC		2010		2010		2010		2010	
		change	2000	Percent	change	2000	Total	2010	Total	2010	Total	2010	Total
		0-2010	ge	2010-2016	0-2016	Male	Female	Under 18	34	34	64	35-64	65+
Butte County, California		0.11	0.02	0.13	108175	110460	46667	58094	80799				
Lassen County, California		0.41	-0.09	0.29	22863	12218	6386	10032	15431				
Modoc County, California		0.05	-0.06	-0.01	4816	4789	2129	1523	4141				
Nevada County, California		0.08	0.00	0.08	48741	49445	19683	15421	44839				
Placer County, California		0.37	0.10	0.51	164341	172136	83548	63079	140085				
Plumas County, California		-0.01	-0.08	-0.09	10451	9941	3810	2927	9730				
Shasta County, California		0.11	0.01	0.12	86998	89908	40706	35022	72466				
Sierra County, California		-0.04	-0.13	-0.17	1689	1677	582	342	1764				
Siskiyou County, California		0.02	-0.02	0.00	22218	22472	9215	7356	19564				
Tehama County, California		0.14	0.01	0.14	31198	31377	16239	12027	24540				
Yuba County, California		0.21	0.04	0.26	35887	35273	20911	17867	25454				

### Census Data (Existing Project)

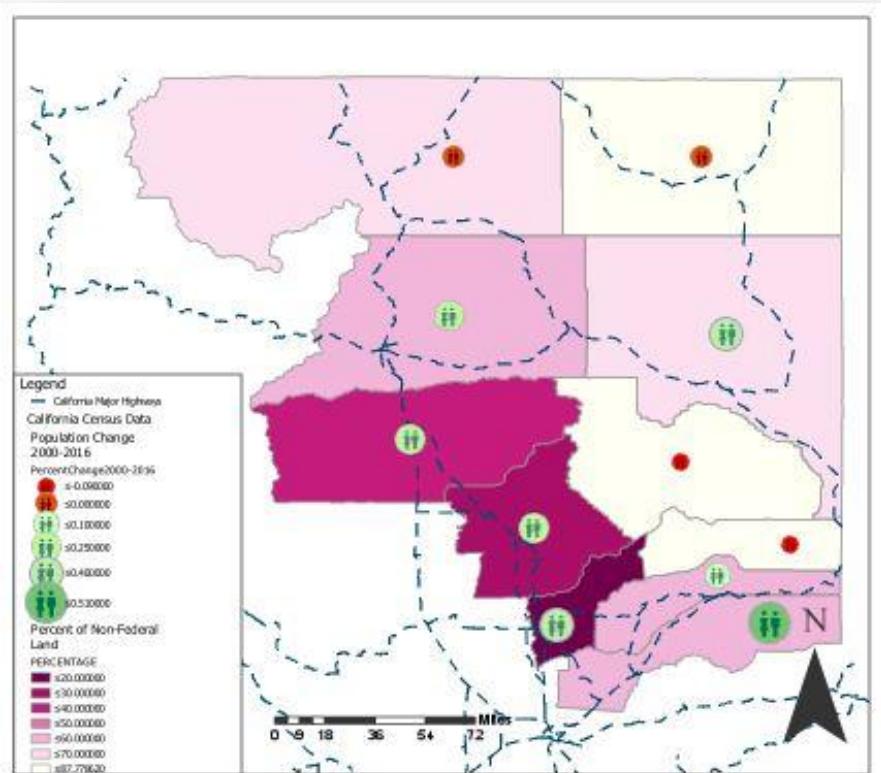
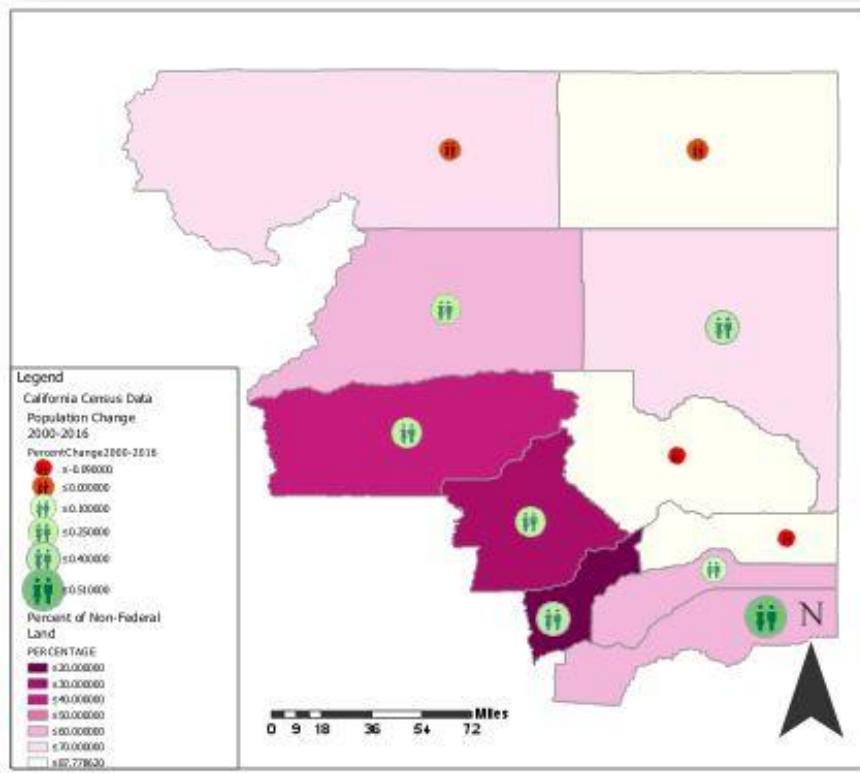
- California & Oregon
- Counties outside of or adjacent to the Northwest Forest Plan
- Data from 2000, 2010, 2016
- Language
- Poverty
- Population
- Age

### Challenges:

- Inconsistencies in data
- Deciding what data to use
- Determining how to represent data

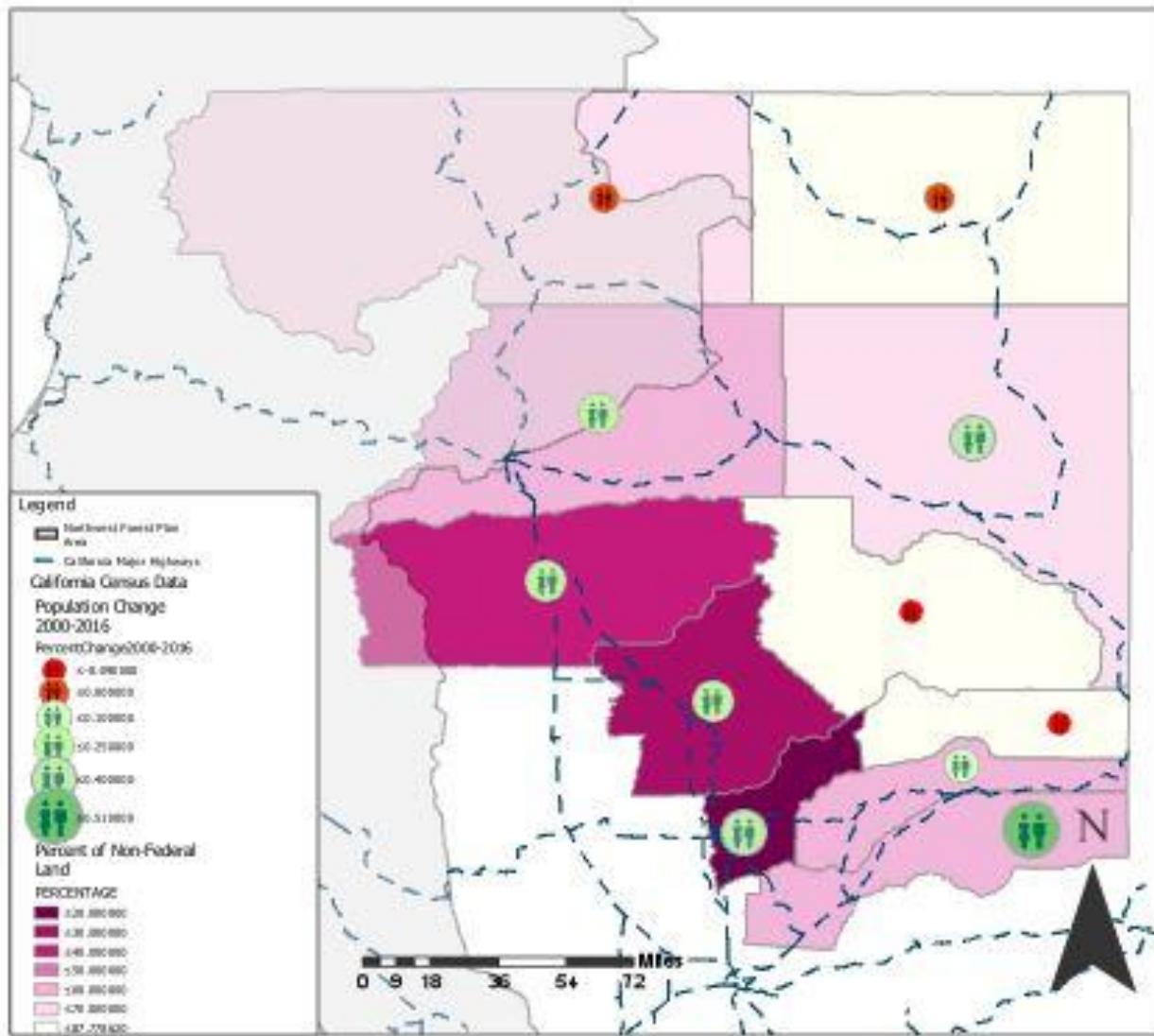
# Demographic Changes

## – Are there patterns in demographic changes?



# Demographic Changes

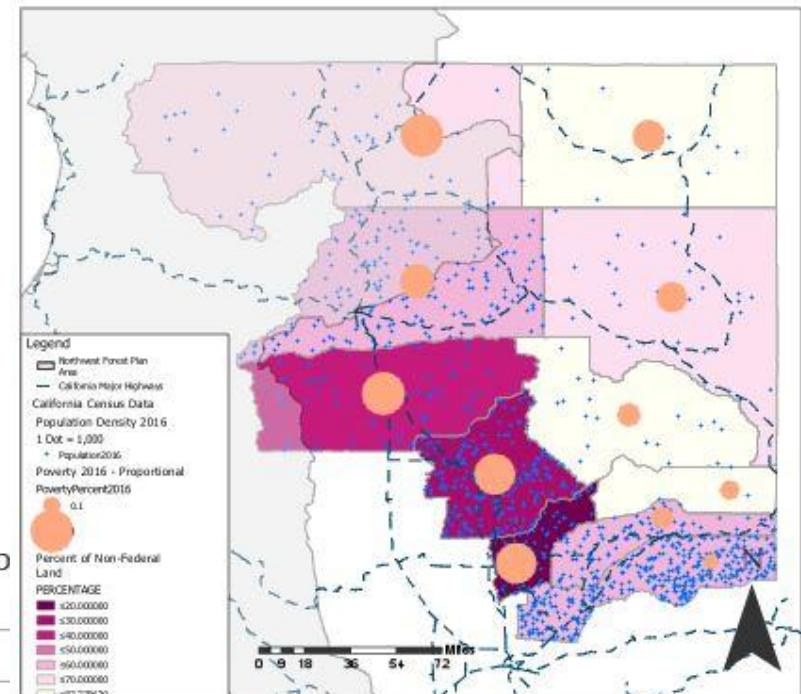
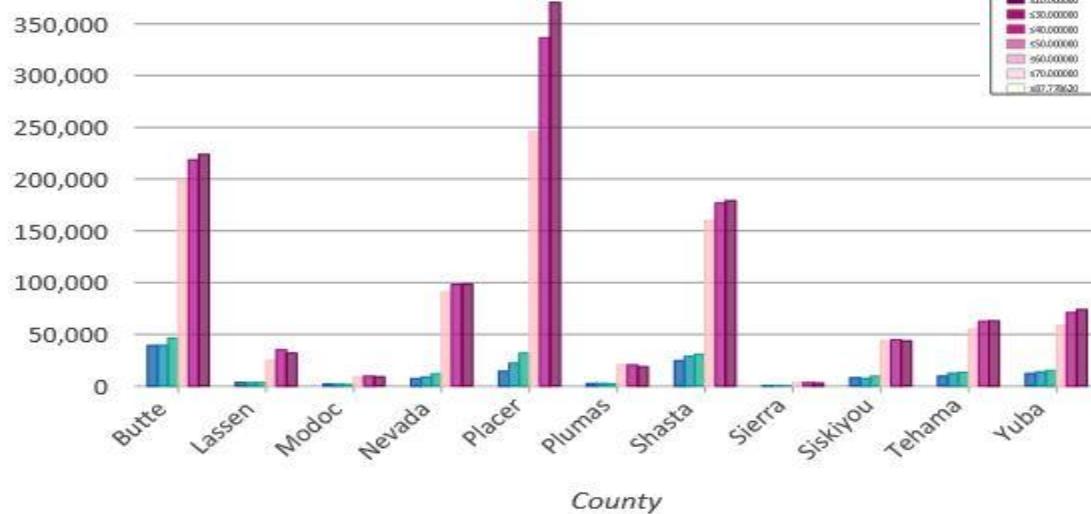
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# Demographic Changes

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2000 - 2016 Total and Poverty Pop

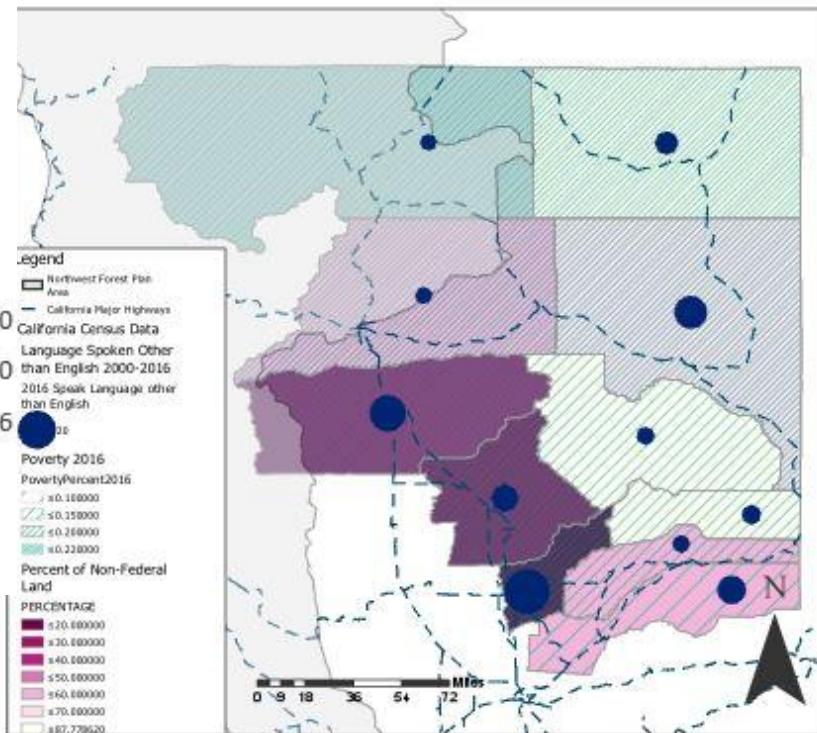
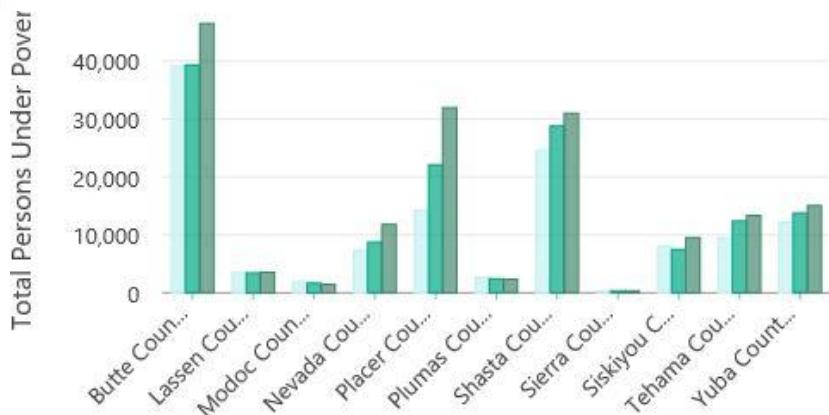
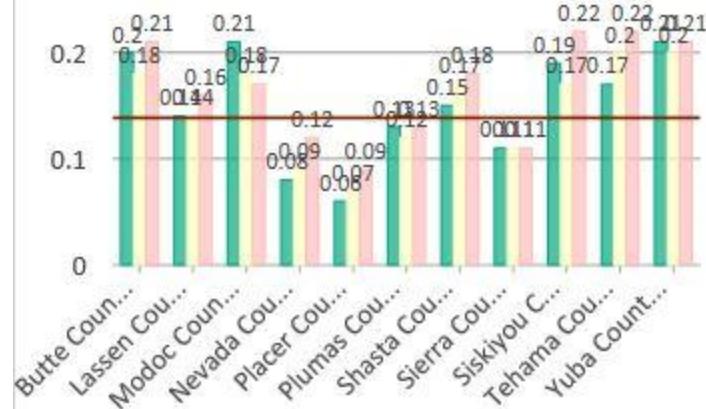


- 2000 Population Below Poverty
- 2010 Population Below Poverty
- 2016 Population Below Poverty
- Population Total 2000
- Population Total 2010
- Population Total 2016

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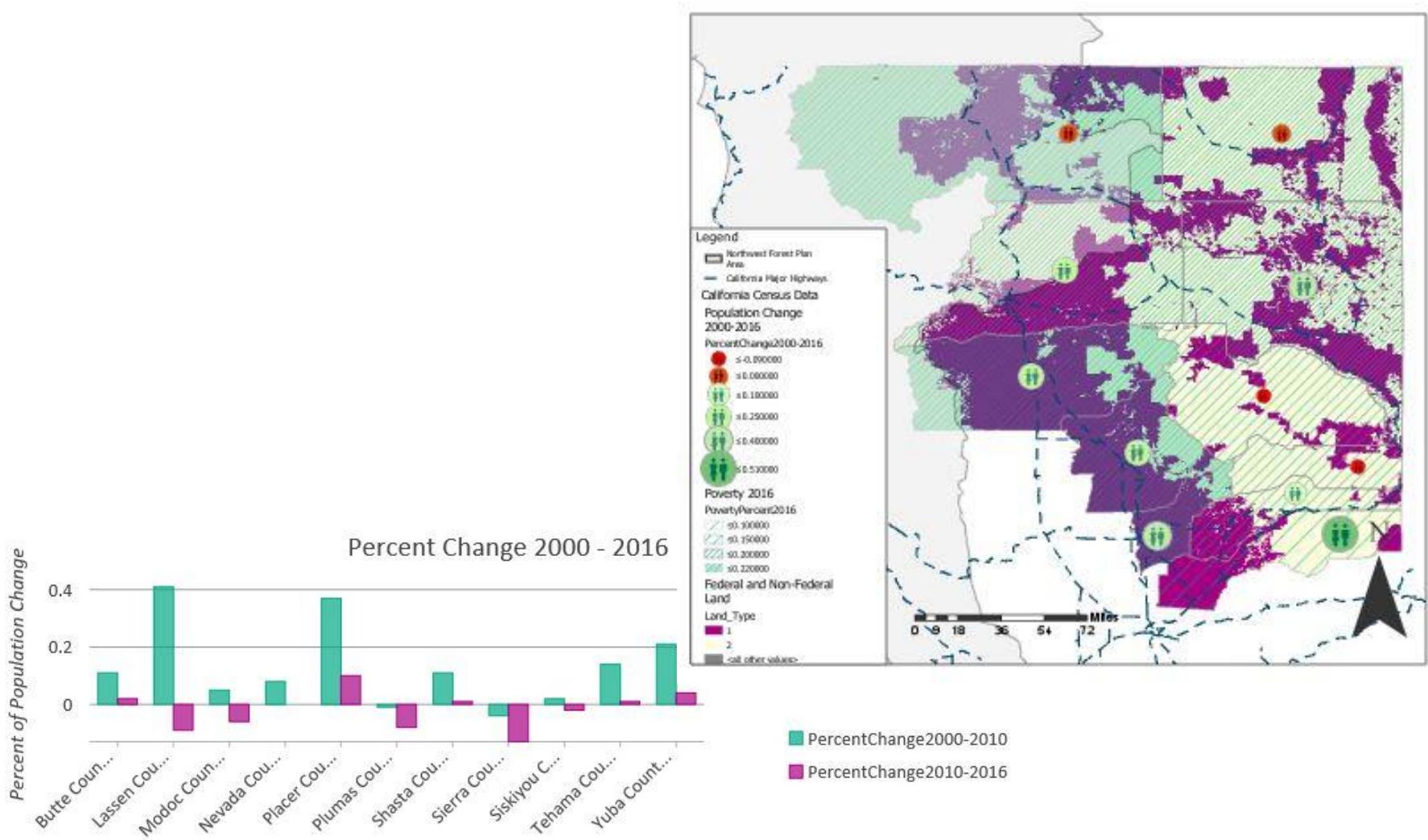
2000 - 2016 Percent of Population Below Poverty Level



2000 Income Below Poverty Level:  
2010 Income Below Poverty Level:  
2016 Income Below Poverty Level:

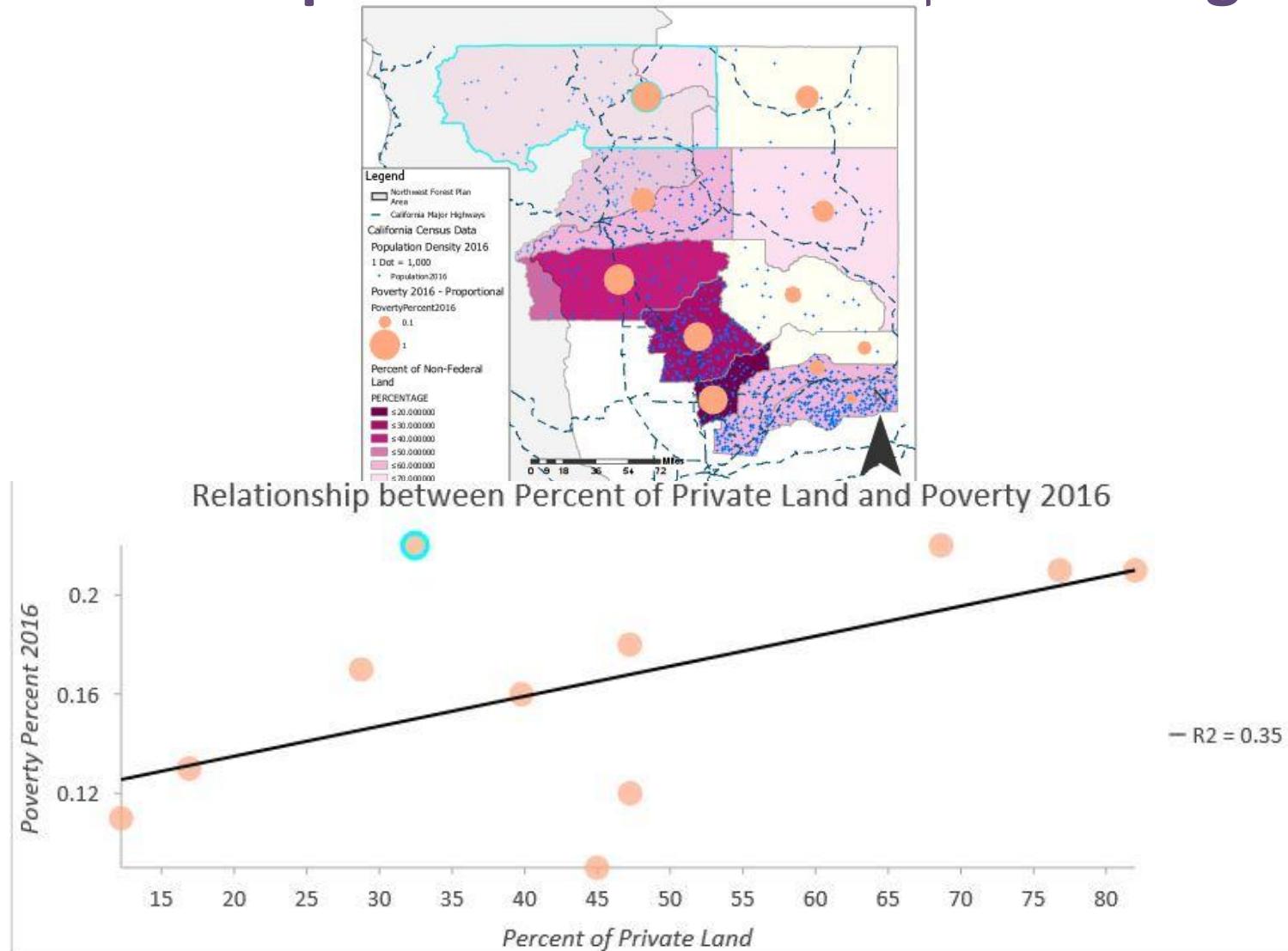
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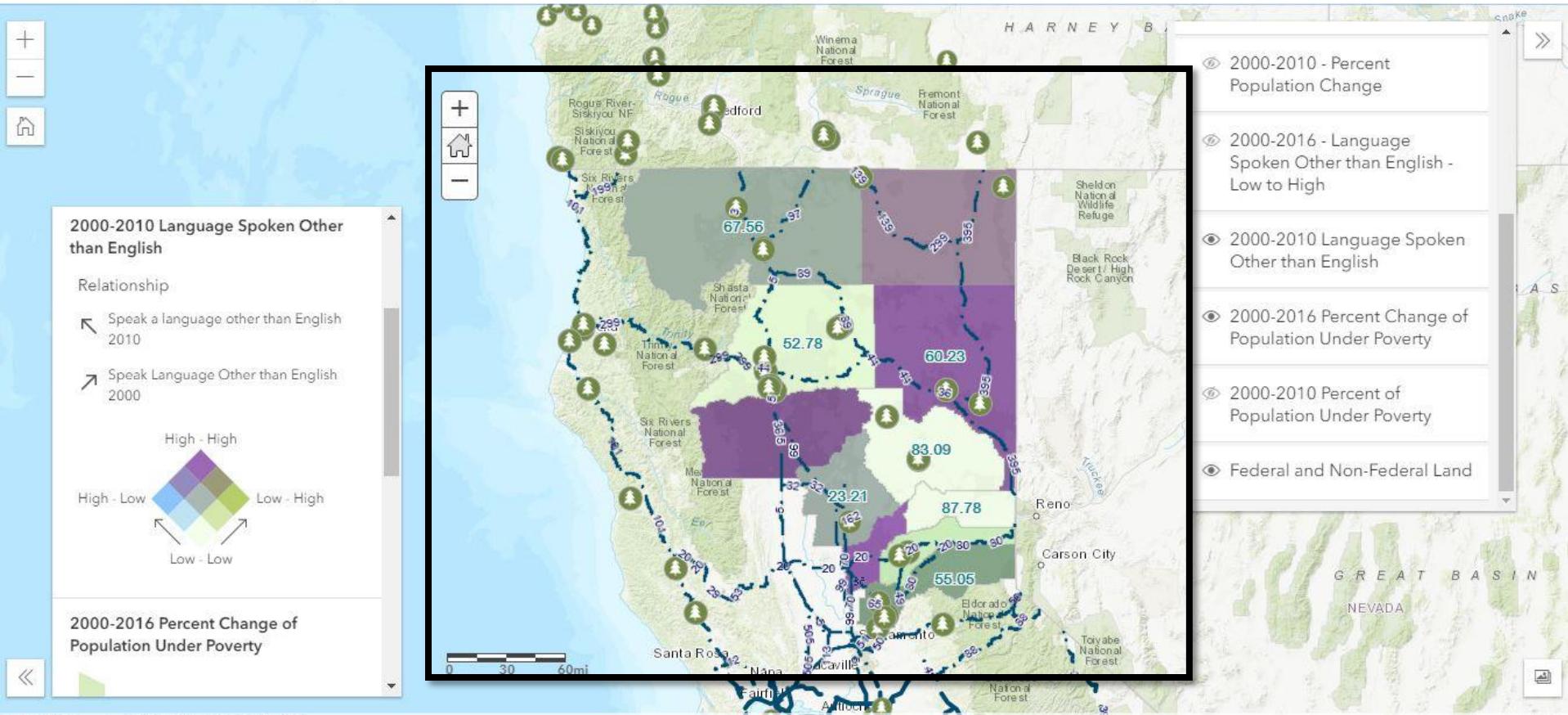
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# Demographic Changes

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Northeast California Demographics



Interactive Legend

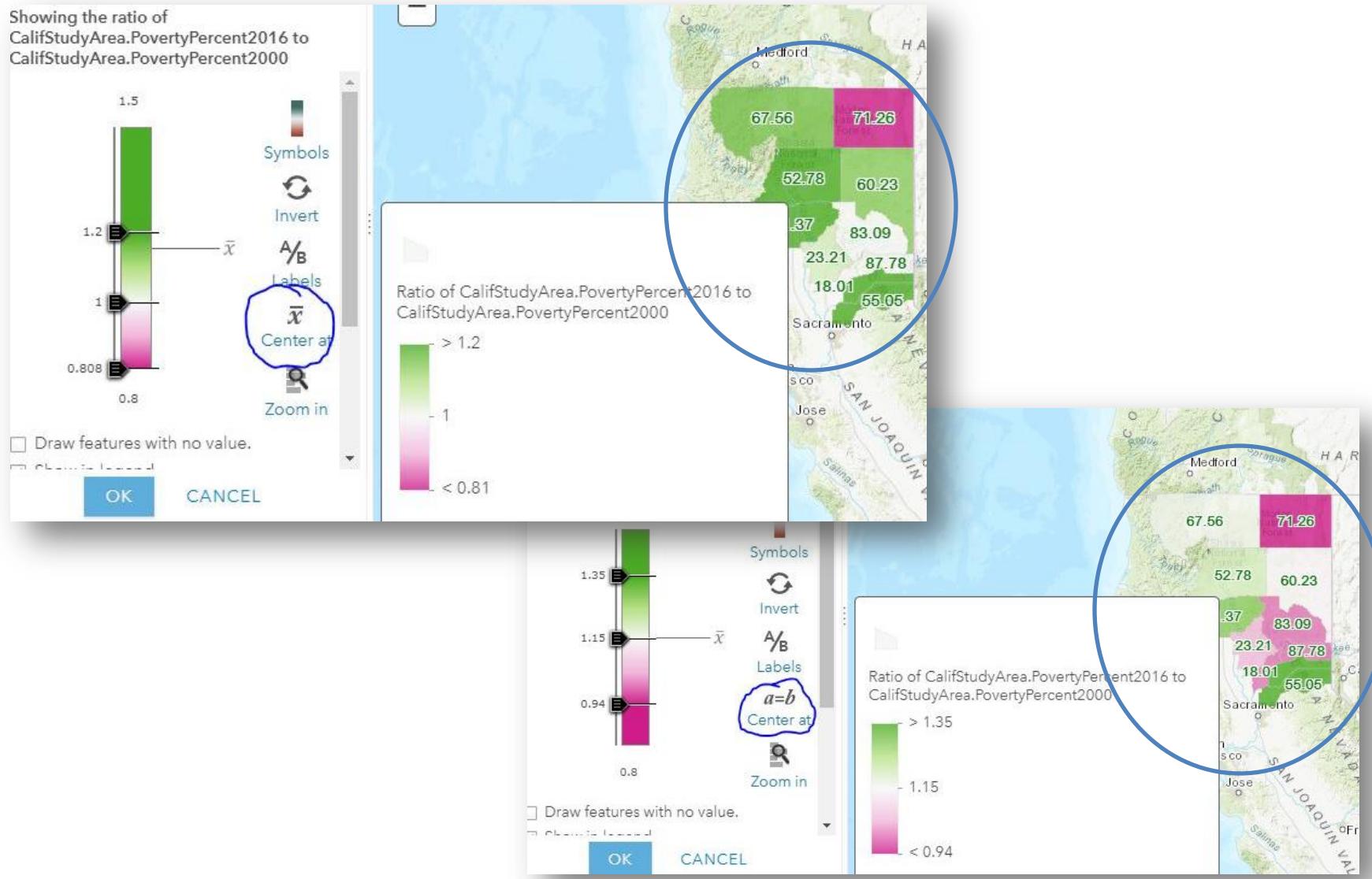
Documentation on how to modify the legend drawing style can be found here:  
<https://doc.arcgis.com/en/arcgis-online/create-maps/change-style.htm>. The interactive legend tool does not support field attributes added to the map legend via custom expression.

[Web App](#)

# Demographic Changes

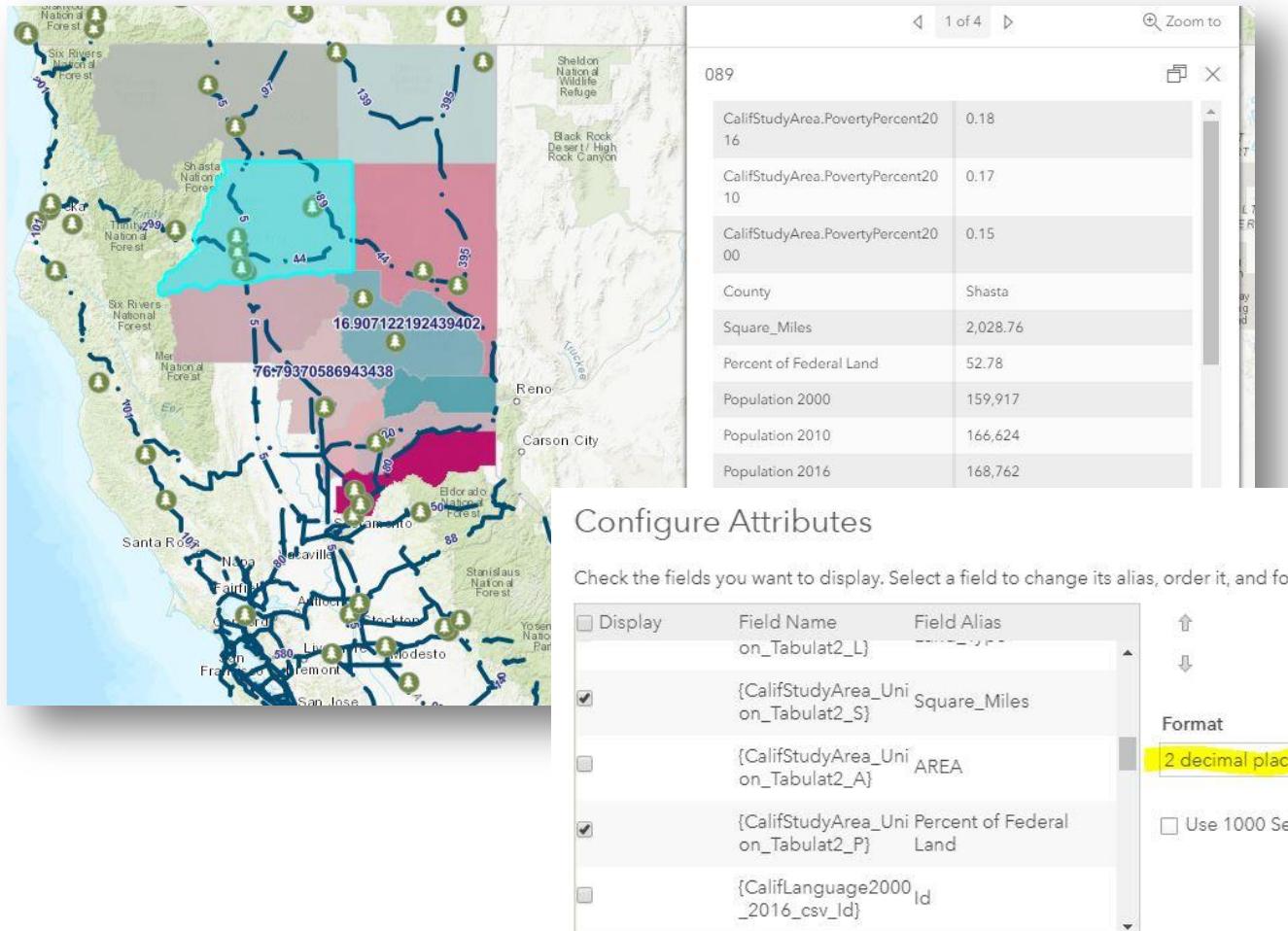
## – Are there patterns in demographic changes?

Showing the ratio of  
CalifStudyArea.PovertyPercent2016 to  
CalifStudyArea.PovertyPercent2000



# Demographic Changes

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[Web App](#)