## **Current Population Survey**

Looking at the April 2021 CPS Published by the US Census Bureau

### **US Census Bureau**

"The Census Bureau's mission is to serve as the nation's leading provider of quality data about its people and economy."

A part of the **US Department of Commerce** 

**Decennial Census** - once-a-decade population and housing count required by the U.S. Constitution. Primary mission of the agency.

Over 130 other survey, including many sponsored by other federal agencies.

### Current Population Survey, or CPS

Sponsored jointly by the U.S. Census Bureau and the U.S. Bureau of Labor Statistics (BLS), an agency of the US Department of Labor

The primary source of labor force statistics for the population of the US

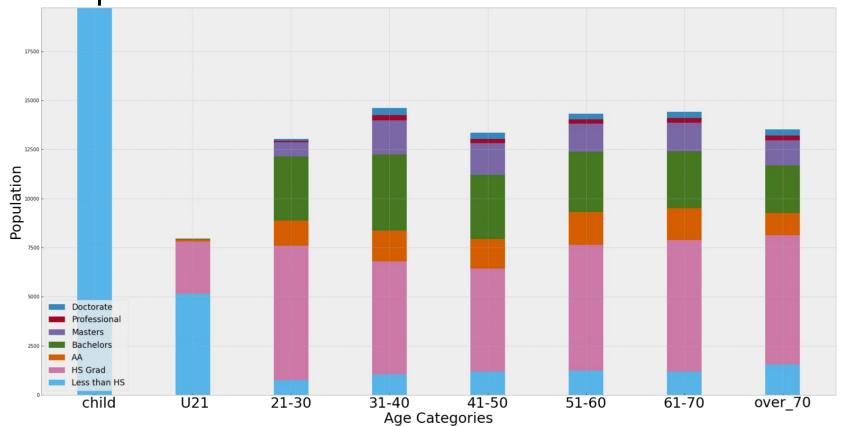
Monthly sample of about 60,000 occupied households

Excludes armed forces, except as incidental household members.





### Sample: Education Levels



Initial formulation of : Working vs Not Working

How does the population of veterans compare to the non-veterans for working status?

That is, is there a difference in proportion of working status between veterans and non-veterans.

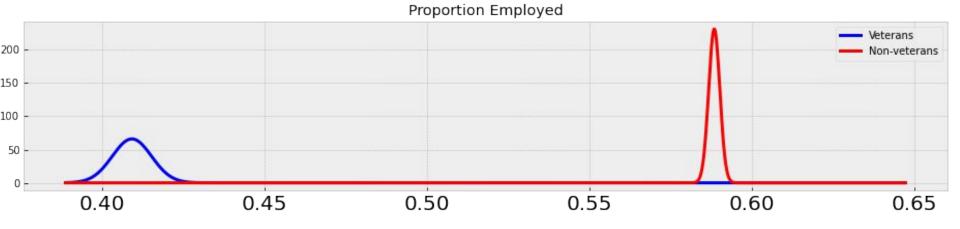
$$H_0: p_{vet} - p_{civ} = 0$$

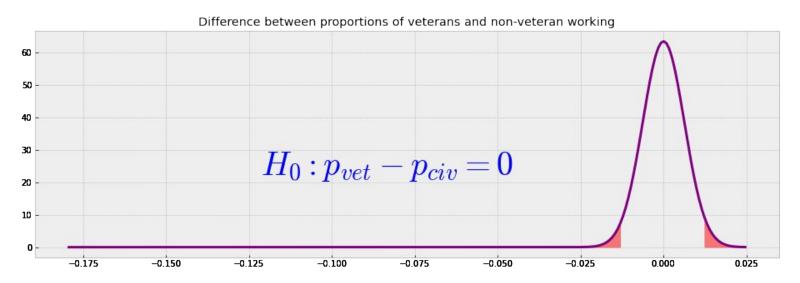
$$H_a: p_{vet} - p_{civ} \neq 0$$

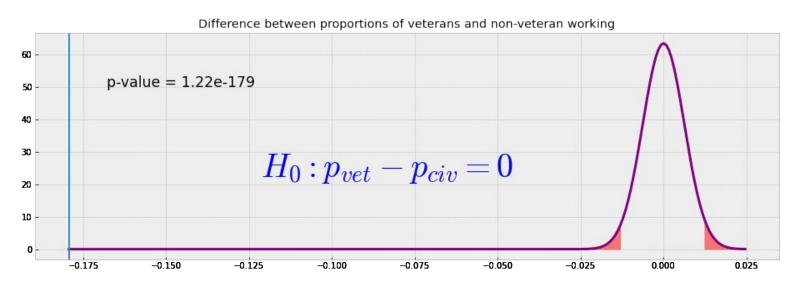
	Vet Status	Population	Working	Working (%)	Not Working	Not Working (%)
0	Veterans	6625	2710	40.9	3915	59.1
1	Civilians	81459	47933	58.8	33526	41.2

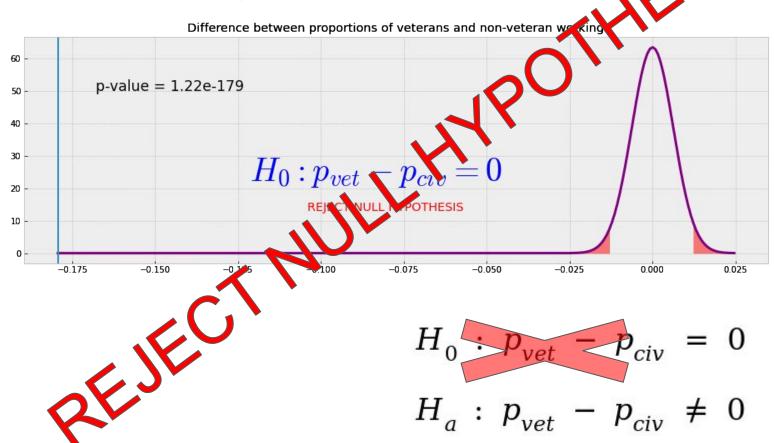
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### Working vs Not Working?

	Vet Status	Population	Working	Working (%)	Not Working	Not Working (%)
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	Working vs Not Working											
	Vet Status	Population	Working	Working (%)	Not Working	Not Working (%)						
0	Veterans	6625	2710	40.9	3915	59.1						
1	Civilians	81459	47933	58.8	33526	41.2						

# 1 Civilians 81459 47933 58.8 33526 Employed vs Unemployed vs NILF

	Vet Status	Population	Working	Working (%)	Unemployed	Unemployed (%)	NILF	NILF (%)
0	Veterans	6625	2710	40.9	146	2.2	3544	53.5
1	Civilians	81459	47933	58.8	2672	3.3	20449	25.1

	Vet Status Population in Working (%) Working Not Working (%)											
0	Vet Status Veterans	Population 6625	2710	Vorking (%)	3915	Not Working (%)						
1	Civilians	8145	4/933	58.8	~526	41.2						

### Employed vs Unemployed vs NILF

	Vet Status	Population	Working	Working (%)	Unemployed	Unemployed (%)	NILF	NILF (%)
0	Veterans	6625	2710	40.9	146	2.2	3544	53.5
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Employed vs Unemployed

	Vet Status	Population	Working	Working (%)	Unemployed	Unemployed (%)	NILF	NILF (%)
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Need to remove NILF (Not In Labor Force) from this analysis

Employed vs Unemployed

	Vet Status	Population	Working	Working (%)	Unemployed	Unemployed (%)	NF	NILF (a)	
0	Veterans	6625	2710	40.9	146	2.2	3544	53.5	
1	Civilians	81459	47933	58.8	2672	3.3	204	5.1	

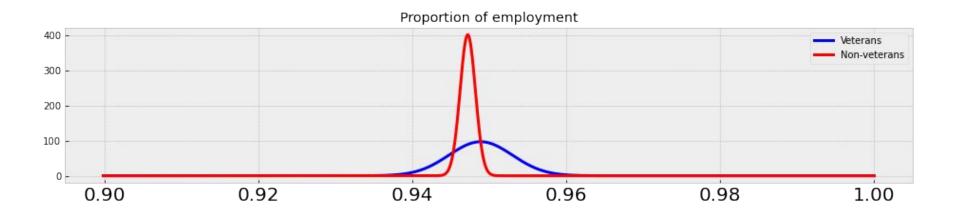
### Hypothesis 2: Veteran Employment, excluding NILF

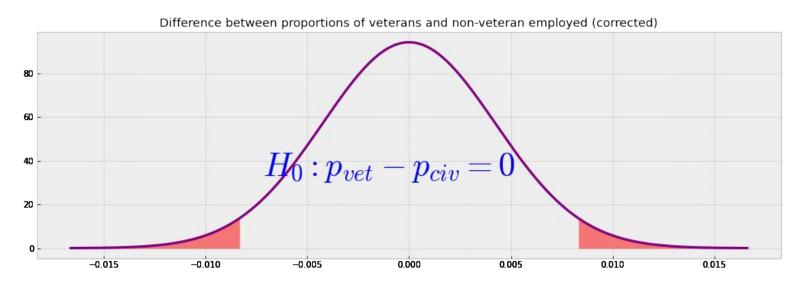
Employed vs Unemployed

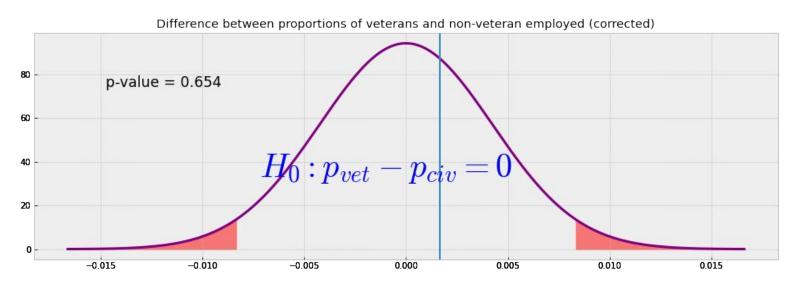
	Vet Status	Population	Working	Working (%)	Unemployed	Unemployed (%)
0	Veterans	2856	2710	94.9	146	5.1
1	Civilians	50605	47933	94.7	2672	5.3

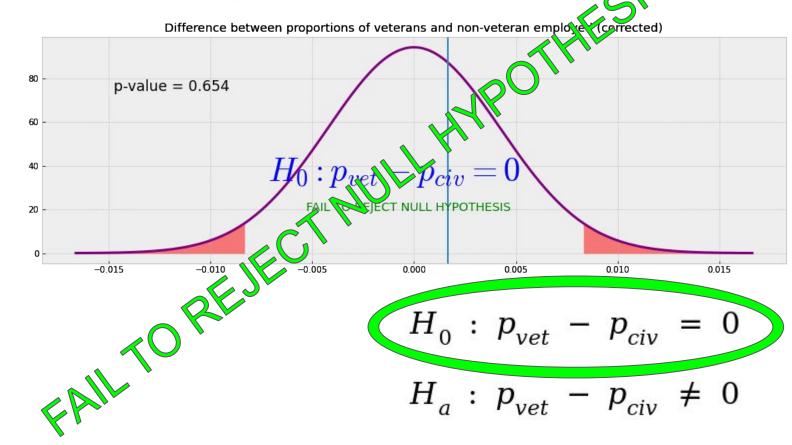
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### **Current Population Survey (CPS)**

The Current Population Survey (CPS), sponsored jointly by the U.S. Census Bureau and the U.S. Bureau of Labor Statistics (BLS), is the primary source of labor force statistics for the population of the United States.





**CPS Data** 





CPS **Ouestionnaire** 

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### Follow up:

Same groups (vet/civilian), comparing different categories?

- Age groups
- Regions

Different groups, same comparison (employment proportion)?

- Education level
- Metropolitan size

Time series analysis