

What could be done?

Lars Vilhuber, Cornell University

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Trust



EXPLORE DATA

10.9% +/- 0.1% Bachelor's Degree or Higher in United States

Source 2017 American Community Survey 1-Year Estimates
https://www.census.gov/programs-surveys/acs/



Tables

EDUCATIONAL ATTAINMENT

Survey/Program: American Community Survey

Years: 2017,2016,2015,2014,2013,2012,2011,2010 Table: S1501

	United States						
	Total		Percent		Male		
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Es
Population 25 years an...	221,250,083	+/-75,372	(X)	(X)	106,901,803	+/-44,229	
Less than 9th grade	11,267,058	+/-78,313	5.1%	+/-0.1	5,576,969	+/-47,133	
9th to 12th grade, no ...	15,315,153	+/-69,792	6.9%	+/-0.1	7,993,828	+/-53,638	
13th grade, not high school grad	22,000,000	+/-100,000	10.0%	+/-0.2	11,000,000	+/-50,000	

EXPLORE DATA

United States Profile

The United States consists of 50 States and the District of Columbia. The capital is Washington, District of Columbia; the largest city by population is New York, New York. The United States has a total area of 3,809,525 square miles, encompassing 3,532,316 square miles of land and 277,209 square miles of water, placing it among the five largest nations in terms of area. Forty-eight states and the District of Columbia are contiguous; these along with Alaska, are located in North America. Hawaii is an archipelago located in the central Pacific Ocean.



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Age and Sex

Residential Mobility

Housing

Families and Living Arrangements

Native and Foreign Born

Health

Use cases

Tabular

Based on PUMS

DP Tabular

Training



Tools and Software

```
proc dpglm data=acs epsilon=0.01;  
model rank = educparent county;  
run;
```

NOTE: SAS Institute Inc., SAS Campus
Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:
real time 1.25 seconds

NOTE: Your privacy budget is now
0.257.

New institutions?

How to allocate ϵ ?

- Across researchers/ users/ ...
- Across institutions
- Over time

We already do: after 72 years, we set $\epsilon = \infty$ for census records.

New institutions?

- Universities have IRB to **allow/disallow** research for ethical reasons
- XSEDE has a review board to **allocate finite compute resources**
- **Pre-registered reports** peer-review study at design stage before proceeding to collection/analysis

