What could be done?

Lars Vilhuber, Cornell University
NAS Workshop, 2019-06-07
Trust
### 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 9,826,617 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.

### Related Searches

- Education
- Populations and People
- Race and Ethnicity
- 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

\begin{verbatim}
proc dpglm data=acs epsilon=0.01;
   model rank = educparent county;
run;
\end{verbatim}

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 $\varepsilon$?

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

We already do: after 72 years, we set $\varepsilon = \infty$ 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