A Standard Library For Data

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What is a standard library?

- Broadly useful functionality; "batteries included"

- Consistency of concepts, quality

Why do we need one for data?

- "How hard can finding this data be?"

- Finding groups of facts a lot harder than individual ones

What do we include?

- Adjustments: `per-capita, inflation`

- Correlations: `demographics, economics`

- Alt. representations: `abbreviations, FIPS`

How do we provide it?

- CSV: every data tool can use it

- Tidy data: maximum flexibility

What does this looks like?

```
State,Year,Population
Alabama,2015,4858979
Alabama,2014,4846411
Alabama,2013,4830533
...
Alaska,1950,135000
Arizona,2015,6828065
Arizona,2014,6728783
Arizona,2013,6630799
```

What we have so far

- US Population by city, county, state

- World population by country

- Inflation for $, €, ¥, £, AUD

- US Demographics by zip, county, state

- Country, state, county abbreviations

What do we need?

- Tell me what we're missing
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- See what we have
  numeracy.co/standard-library