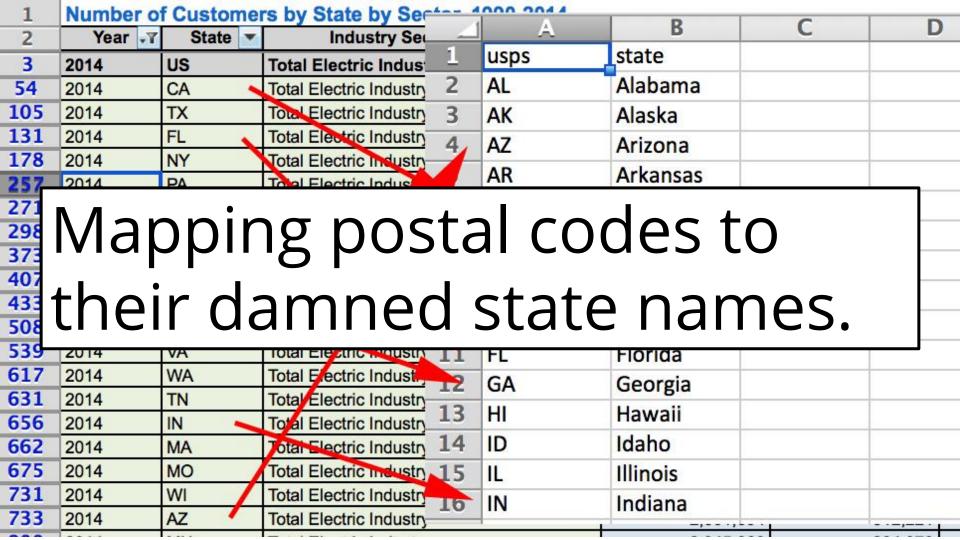
wireservice/lookup

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- wireservice: The new umbrella project for csvkit and other open source tools for journalists.
- agate: A python data analysis library designed for journalists.

We are all wasting so much time

Not on Twitter Not reading the comments Not on NICAR-L flame wars But on...



$$\frac{\left(\sum_{n=1}^{a} 52w \cdot b\right)}{365 \cdot 24}$$

14.8
years



The **madness** must stop.

Hello, lookup

github.com/wireservice/lookup

A structured repository of lookup tables

fips fips	Add population by year. Update metadata spec.	
iso2	Add iso2 and iso3 codes.	
iso3	Add iso2 and iso3 codes.	
naics	Add population by year. Update metadata spec.	
usps usps	Fix column specs.	
year	Add cpi and error log.	
gitignore	Add naics 2007.	
ERRORS.md	Add cpi and error log.	
README.md	Updated README.md to add link to agate-lookup	

lookup/usps/state.csv

59 lines (58 sloc) 780 Bytes						
Q Sea	Q Search this file					
1	usps	state				
2	AL	Alabama				
3	AK	Alaska				
4	AZ	Arizona				
5	AR	Arkansas				
6	CA	California				
7	СО	Colorado				
0	СТ	Connecticut				

lookup/usps/state.csv.yml

```
14 lines (13 sloc) 350 Bytes
       data: United States Postal System state abbreviations and US state names
       version: N/A
       sources:
         - United States Census Bureau, http://www.census.gov/geo/reference/ansi.html
       contributors:
         - Christopher Groskopf <chrisgroskopf@gmail.com>
       columns:
         usps:
           name: USPS state abbreviation
          type: Text
  10
  11
         state:
         name: State name
  12
  13
          type: Text
```

Hello, agate-lookup

agate-lookup.rtfd.org

```
usps | starbucks
              682
WA
              347
NE
               39
```

table.lookup('usps', 'state')

```
usps | starbucks | state
                   Washington
WA
             682
             347 | Virginia
VA
                   Nebraska
              39
NE
```

```
iso2 | gini
   | 64.8
ZA
AM | 30.5
BY | 26.5
```

table.lookup('iso2', 'country')

```
iso2 | gini | country
     | 64.8 | South Africa
ZA
      30.5 | Armenia
AM
       26.5 | Belarus
```

```
naics
       | employees
           154,496
313320
            7,294
522310
           41,454
```

'description', version='2012')

joined = table.lookup(

'naics',

	employees	description
11 313320 522310 	154,496 7,294 41,454 •••	Agriculture, Fore Fabric Coating Mills Mortgage and Nonm

```
year | month | price
1985 | 3
               4.45
2007
            3.18
2011 | 6
            5.21
```

```
cpi = agate.Table.from_lookup(['year', 'month'], 'cpi')

BASE_CPI = cpi.rows[('2000', '1')]['cpi']

table.compute([
        ('real_price', agate.Formula(agate.Number(), lambda r: r
['price'] * cpi.rows[(r['year'], r['month'])]['cpi'] /

BASE_CPI))
])
```

1	+	+	+
year	month	price	real_price
1985 2007 2011	3 5 6 	4.45 3.18 5.21	2.807206142941523 3.883525694034258 6.919206202008269

VLOOKUP LEFT JOIN Bespoke scripts lookup

Let's take our 14 years back.

Join the wireservice

Send your pull requests!

github.com/wireservice/lookup agate-lookup.rtfd.org