Package 'countyhealthrankings'

May 19, 2019

Title Data on Health Indicators by US County, from countyhealthrankings.org

Description This package provides 2014 - 2019 datasets from
countyhealthrankings.org, imported to R as a data.frame,
to facilitate use of the data in R.
The source of the data is http://www.countyhealthrankings.org/about-project.
The 2015 dataset was slightly modified to provide a 5-digit FIPS as a character field,
and ST field as a copy of State field.
For any imported/suggested packages not on CRAN, see http://ejanalysis.github.io.

Version 0.2.1

License MIT + file LICENSE

Suggests analyze.stuff,
ejanalysis

URL http://ejanalysis.github.io,
https://github.com/ejanalysis/countyhealthrankings,
http://www.countyhealthrankings.org

BugReports https://github.com/ejanalysis/countyhealthrankings/issues

Date 2019-05-18

Depends R (>= 3.1.0)

RoxygenNote 6.1.1

Repository GitHub

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NeedsCompilation no

LazyData true

Encoding UTF-8

R topics documented:

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countyhealthrankings-package

countyhealthrankings.org dataset in R

Description

Provides health indicators data by county, from countyhealthrankings.org, for use in R. Source of data: 2014 and 2015 datasets from http://www.countyhealthrankings.org/rankings/data which redirects to newer URL: Data as of 2019: http://www.countyhealthrankings.org/explore-health-ranking rankings-data-documentation Also see: http://www.countyhealthrankings.org/about-project obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field.

References

http://ejanalysis.github.io
http://www.ejanalysis.com/

Examples

```
#data('countyhealth14')
#data('countyhealth15')

# Example of using the data to see a histogram of counties
hist(countyhealth14$Poor.or.fair.health.Value, 100,
  main='Variation across counties in health, 2014 dataset', ylab='Number of counties',
  xlab='Percent of county residents that report being in only poor or fair health',
  ylim = c(0,200), xlim = c(0,0.5))

  hist(countyhealth19[ , match("Poor or fair health raw value", colfullnames19)], 100,
  main='Variation across counties in health, 2019 dataset', ylab='Number of counties',
  xlab='Percent of county residents that report being in only poor or fair health',
  ylim = c(0,200), xlim = c(0,0.5))

# Example of using the data to create a boxplot by state:
statemedians=aggregate(countyhealth15$Poor.or.fair.health.Value, by=list(countyhealth15$ST),
  FUN=function(x) median(x, na.rm = TRUE))
stateorder=statemedians[order(statemedians[,2], decreasing = TRUE),1]
boxplot(
 countyhealth15$Poor.or.fair.health.Value ~ factor(countyhealth15$ST, levels=stateorder),
```

```
cex.axis=0.5, main='Range of county values by State, 2015 % in poor or fair health')
```

`colfullnames19` *Countyhealthrankings.org 2019 dataset - full names of fields*

Description

Contains longer descriptive names of the fields than the data frame column names, such as "Poor or fair health raw value" instead of "v002_rawvalue"

Format

A character vector of 539 field names from "State FIPS Code" to "Population growth raw value"

`countyhealth14` *Countyhealthrankings.org 2014 dataset*

Description

This data set provides a variety of health indicators for each US county.

Usage

```
data('countyhealth14')
```

Format

A data.frame with 3191 rows (Counties) and 328 columns (variables)

1 "FIPS"
2 "ST"
3 "FIPS.State.Code"
4 "FIPS.County.Code"
5 "State"
6 "County"
7 "County.that.was.not.ranked"
8 "Premature.death.Value"
9 "Premature.death.Numerator"
10 "Premature.death.Denominator"
11 "Premature.death.Lower.Confidence.Interval"
12 "Premature.death.Upper.Confidence.Interval"
13 "Poor.or.fair.health.Value"
14 "Poor.or.fair.health.Numerator"
15 "Poor.or.fair.health.Denominator"
16 "Poor.or.fair.health.Lower.Confidence.Interval"

17 "Poor.or.fair.health.Upper.Confidence.Interval"
18 "Poor.physical.health.days.Value"
19 "Poor.physical.health.days.Numerator"
20 "Poor.physical.health.days.Denominator"
21 "Poor.physical.health.days.Lower.Confidence.Interval"
22 "Poor.physical.health.days.Upper.Confidence.Interval"
23 "Poor.mental.health.days.Value"
24 "Poor.mental.health.days.Numerator"
25 "Poor.mental.health.days.Denominator"
26 "Poor.mental.health.days.Lower.Confidence.Interval"
27 "Poor.mental.health.days.Upper.Confidence.Interval"
28 "Low.birthweight.Value"
29 "Low.birthweight.Numerator"
30 "Low.birthweight.Denominator"
31 "Low.birthweight.Lower.Confidence.Interval"
32 "Low.birthweight.Upper.Confidence.Interval"
33 "Adult.smoking.Value"
34 "Adult.smoking.Numerator"
35 "Adult.smoking.Denominator"
36 "Adult.smoking.Lower.Confidence.Interval"
37 "Adult.smoking.Upper.Confidence.Interval"
38 "Adult.obesity.Value"
39 "Adult.obesity.Numerator"
40 "Adult.obesity.Denominator"
41 "Adult.obesity.Lower.Confidence.Interval"
42 "Adult.obesity.Upper.Confidence.Interval"
43 "Food.environment.index.Value"
44 "Food.environment.index.Numerator"
45 "Food.environment.index.Denominator"
46 "Food.environment.index.Lower.Confidence.Interval"
47 "Food.environment.index.Upper.Confidence.Interval"
48 "Physical.inactivity.Value"
49 "Physical.inactivity.Numerator"
50 "Physical.inactivity.Denominator"
51 "Physical.inactivity.Lower.Confidence.Interval"
52 "Physical.inactivity.Upper.Confidence.Interval"
53 "Access.to.exercise.opportunities.Value"
54 "Access.to.exercise.opportunities.Numerator"
55 "Access.to.exercise.opportunities.Denominator"
56 "Access.to.exercise.opportunities.Lower.Confidence.Interval"

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57 "Access.to.exercise.opportunities.Upper.Confidence.Interval"
58 "Excessive.drinking.Value"
59 "Excessive.drinking.Numerator"
60 "Excessive.drinking.Denominator"
61 "Excessive.drinking.Lower.Confidence.Interval"
62 "Excessive.drinking.Upper.Confidence.Interval"
63 "Alcohol.impaired.driving.deaths.Value"
64 "Alcohol.impaired.driving.deaths.Numerator"
65 "Alcohol.impaired.driving.deaths.Denominator"
66 "Alcohol.impaired.driving.deaths.Lower.Confidence.Interval"
67 "Alcohol.impaired.driving.deaths.Upper.Confidence.Interval"
68 "Sexually.transmitted.infections.Value"
69 "Sexually.transmitted.infections.Numerator"
70 "Sexually.transmitted.infections.Denominator"
71 "Sexually.transmitted.infections.Lower.Confidence.Interval"
72 "Sexually.transmitted.infections.Upper.Confidence.Interval"
73 "Teen.births.Value"
74 "Teen.births.Numerator"
75 "Teen.births.Denominator"
76 "Teen.births.Lower.Confidence.Interval"
77 "Teen.births.Upper.Confidence.Interval"
78 "Uninsured.Value"
79 "Uninsured.Numerator"
80 "Uninsured.Denominator"
81 "Uninsured.Lower.Confidence.Interval"
82 "Uninsured.Upper.Confidence.Interval"
83 "Primary.care.physicians.Value"
84 "Primary.care.physicians.Ratio"
85 "Primary.care.physicians.Numerator"
86 "Primary.care.physicians.Denominator"
87 "Primary.care.physicians.Lower.Confidence.Interval"
88 "Primary.care.physicians.Upper.Confidence.Interval"
89 "Dentists.Value"
90 "Dentists.Ratio"
91 "Dentists.Numerator"
92 "Dentists.Denominator"
93 "Dentists.Lower.Confidence.Interval"
94 "Dentists.Upper.Confidence.Interval"
95 "Mental.health.providers.Value"
96 "Mental.health.providers.Ratio"
```

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 97 "Mental.health.providers.Numerator"
 98 "Mental.health.providers.Denominator"
 99 "Mental.health.providers.Lower.Confidence.Interval"
100 "Mental.health.providers.Upper.Confidence.Interval"
101 "Preventable.hospital.stays.Value"
102 "Preventable.hospital.stays.Numerator"
103 "Preventable.hospital.stays.Denominator"
104 "Preventable.hospital.stays.Lower.Confidence.Interval"
105 "Preventable.hospital.stays.Upper.Confidence.Interval"
106 "Diabetic.screening.Value"
107 "Diabetic.screening.Numerator"
108 "Diabetic.screening.Denominator"
109 "Diabetic.screening.Lower.Confidence.Interval"
110 "Diabetic.screening.Upper.Confidence.Interval"
111 "Mammography.screening.Value"
112 "Mammography.screening.Numerator"
113 "Mammography.screening.Denominator"
114 "Mammography.screening.Lower.Confidence.Interval"
115 "Mammography.screening.Upper.Confidence.Interval"
116 "High.school.graduation.Value"
117 "High.school.graduation.Numerator"
118 "High.school.graduation.Denominator"
119 "High.school.graduation.Lower.Confidence.Interval"
120 "High.school.graduation.Upper.Confidence.Interval"
121 "Some.college.Value"
122 "Some.college.Numerator"
123 "Some.college.Denominator"
124 "Some.college.Lower.Confidence.Interval"
125 "Some.college.Upper.Confidence.Interval"
126 "Unemployment.Value"
127 "Unemployment.Numerator"
128 "Unemployment.Denominator"
129 "Unemployment.Lower.Confidence.Interval"
130 "Unemployment.Upper.Confidence.Interval"
131 "Children.in.poverty.Value"
132 "Children.in.poverty.Numerator"
133 "Children.in.poverty.Denominator"
134 "Children.in.poverty.Lower.Confidence.Interval"
135 "Children.in.poverty.Upper.Confidence.Interval"
136 "Inadequate.social.support.Value"
```

137 "Inadequate.social.support.Numerator"
138 "Inadequate.social.support.Denominator"
139 "Inadequate.social.support.Lower.Confidence.Interval"
140 "Inadequate.social.support.Upper.Confidence.Interval"
141 "Children.in.single.parent.households.Value"
142 "Children.in.single.parent.households.Numerator"
143 "Children.in.single.parent.households.Denominator"
144 "Children.in.single.parent.households.Lower.Confidence.Interval"
145 "Children.in.single.parent.households.Upper.Confidence.Interval"
146 "Violent.crime.Value"
147 "Violent.crime.Numerator"
148 "Violent.crime.Denominator"
149 "Violent.crime.Lower.Confidence.Interval"
150 "Violent.crime.Upper.Confidence.Interval"
151 "Injury.deaths.Value"
152 "Injury.deaths.Numerator"
153 "Injury.deaths.Denominator"
154 "Injury.deaths.Lower.Confidence.Interval"
155 "Injury.deaths.Upper.Confidence.Interval"
156 "Air.pollution...particulate.matter.Value"
157 "Air.pollution...particulate.matter.Numerator"
158 "Air.pollution...particulate.matter.Denominator"
159 "Air.pollution...particulate.matter.Lower.Confidence.Interval"
160 "Air.pollution...particulate.matter.Upper.Confidence.Interval"
161 "Drinking.water.violations.Value"
162 "Drinking.water.violations.Numerator"
163 "Drinking.water.violations.Denominator"
164 "Drinking.water.violations.Lower.Confidence.Interval"
165 "Drinking.water.violations.Upper.Confidence.Interval"
166 "Severe.housing.problems.Value"
167 "Severe.housing.problems.Numerator"
168 "Severe.housing.problems.Denominator"
169 "Severe.housing.problems.Lower.Confidence.Interval"
170 "Severe.housing.problems.Upper.Confidence.Interval"
171 "Driving.alone.to.work.Value"
172 "Driving.alone.to.work.Numerator"
173 "Driving.alone.to.work.Denominator"
174 "Driving.alone.to.work.Lower.Confidence.Interval"
175 "Driving.alone.to.work.Upper.Confidence.Interval"
176 "Long.commute...driving.alone.Value"

177 "Long.commute...driving.alone.Numerator"
178 "Long.commute...driving.alone.Denominator"
179 "Long.commute...driving.alone.Lower.Confidence.Interval"
180 "Long.commute...driving.alone.Upper.Confidence.Interval"
181 "X2011.population.estimate.Value"
182 "X2011.population.estimate.Numerator"
183 "X2011.population.estimate.denominator"
184 "X2011.population.estimate.Lower.Confidence.Interval"
185 "X2011.population.estimate.Upper.Confidence.Interval"
186 "Percent.of.population.below.18.years.of.age"
187 "Percent.of.population.below.18.years.of.age.Numerator"
188 "Percent.of.population.below.18.years.of.age.denominator"
189 "Percent.of.population.below.18.years.of.age.Lower.Confidence.Interval"
190 "Percent.of.population.below.18.years.of.age.Upper.Confidence.Interval"
191 "Percent.of.population.aged.65.years.and.older"
192 "Percent.of.population.aged.65.years.and.older.Numerator"
193 "Percent.of.population.aged.65.years.and.older.denominator"
194 "Percent.of.population.aged.65.years.and.older.Lower.Confidence.Interval"
195 "Percent.of.population.aged.65.years.and.older.Upper.Confidence.Interval"
196 "Percent.of.population.that.is.non.Hispanic.African.American"
197 "Percent.of.population.that.is.non.Hispanic.African.American.Numerator"
198 "Percent.of.population.that.is.non.Hispanic.African.American.denominator"
199 "Percent.of.population.that.is.non.Hispanic.African.American.Lower.Confidence.Interval"
200 "Percent.of.population.that.is.non.Hispanic.African.American.Upper.Confidence.Interval"
201 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native"
202 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Numerator"
203 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.denominator"
204 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Lower.Confidence.Interval"
205 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Upper.Confidence.Interval"
206 "Percent.of.population.that.is.Asian"
207 "Percent.of.population.that.is.Asian.Numerator"
208 "Percent.of.population.that.is.Asian.denominator"
209 "Percent.of.population.that.is.Asian.Lower.Confidence.Interval"
210 "Percent.of.population.that.is.Asian.Upper.Confidence.Interval"
211 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander"
212 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Numerator"
213 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.denominator"
214 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Lower.Confidence.Interval"
215 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Upper.Confidence.Interval"
216 "Percent.of.population.that.is.Hispanic"

217 "Percent.of.population.that.is.Hispanic.Numerator"
218 "Percent.of.population.that.is.Hispanic.denominator"
219 "Percent.of.population.that.is.Hispanic.Lower.Confidence.Interval"
220 "Percent.of.population.that.is.Hispanic.Upper.Confidence.Interval"
221 "Percent.of.population.that.is.non.Hispanic.White"
222 "Percent.of.population.that.is.non.Hispanic.White.Numerator"
223 "Percent.of.population.that.is.non.Hispanic.White.denominator"
224 "Percent.of.population.that.is.non.Hispanic.White.Lower.Confidence.Interval"
225 "Percent.of.population.that.is.non.Hispanic.White.Upper.Confidence.Interval"
226 "Population.that.is.not.proficient.in.English.Value"
227 "Population.that.is.not.proficient.in.English.Numerator"
228 "Population.that.is.not.proficient.in.English.Denominator"
229 "Population.that.is.not.proficient.in.English.Lower.Confidence.Interval"
230 "Population.that.is.not.proficient.in.English.Upper.Confidence.Interval"
231 "Percent.of.population.that.is.female"
232 "Percent.of.population.that.is.female.Numerator"
233 "Percent.of.population.that.is.female.denominator"
234 "Percent.of.population.that.is.female.Lower.Confidence.Interval"
235 "Percent.of.population.that.is.female.Upper.Confidence.Interval"
236 "Population.living.in.a.rural.area.Value"
237 "Population.living.in.a.rural.area.Numerator"
238 "Population.living.in.a.rural.area.Denominator"
239 "Population.living.in.a.rural.area.Lower.Confidence.Interval"
240 "Population.living.in.a.rural.area.Upper.Confidence.Interval"
241 "Diabetes.Value"
242 "Diabetes.Numerator"
243 "Diabetes.Denominator"
244 "Diabetes.Lower.Confidence.Interval"
245 "Diabetes.Upper.Confidence.Interval"
246 "HIV.prevalence.rate.Value"
247 "HIV.prevalence.rate.Numerator"
248 "HIV.prevalence.rate.Denominator"
249 "HIV.prevalence.rate.Lower.Confidence.Interval"
250 "HIV.prevalence.rate.Upper.Confidence.Interval"
251 "Premature.age.adjusted.mortality.Value"
252 "Premature.age.adjusted.mortality.Numerator"
253 "Premature.age.adjusted.mortality.Denominator"
254 "Premature.age.adjusted.mortality.Lower.Confidence.Interval"
255 "Premature.age.adjusted.mortality.Upper.Confidence.Interval"
256 "Infant.mortality.Value"

257 "Infant.mortality.Numerator"
258 "Infant.mortality.Denominator"
259 "Infant.mortality.Lower.Confidence.Interval"
260 "Infant.mortality.Upper.Confidence.Interval"
261 "Child.mortality.Value"
262 "Child.mortality.Numerator"
263 "Child.mortality.Denominator"
264 "Child.mortality.Lower.Confidence.Interval"
265 "Child.mortality.Upper.Confidence.Interval"
266 "Food.insecurity.Value"
267 "Food.insecurity.Numerator"
268 "Food.insecurity.Denominator"
269 "Food.insecurity.Lower.Confidence.Interval"
270 "Food.insecurity.Upper.Confidence.Interval"
271 "Limited.access.to.healthy.foods.Value"
272 "Limited.access.to.healthy.foods.Numerator"
273 "Limited.access.to.healthy.foods.Denominator"
274 "Limited.access.to.healthy.foods.Lower.Confidence.Interval"
275 "Limited.access.to.healthy.foods.Upper.Confidence.Interval"
276 "Motor.vehicle.crash.deaths.Value"
277 "Motor.vehicle.crash.deaths.Numerator"
278 "Motor.vehicle.crash.deaths.Denominator"
279 "Motor.vehicle.crash.deaths.Lower.Confidence.Interval"
280 "Motor.vehicle.crash.deaths.Upper.Confidence.Interval"
281 "Drug.poisoning.deaths.Value"
282 "Drug.poisoning.deaths.Numerator"
283 "Drug.poisoning.deaths.Denominator"
284 "Drug.poisoning.deaths.Lower.Confidence.Interval"
285 "Drug.poisoning.deaths.Upper.Confidence.Interval"
286 "Uninsured.adults.Value"
287 "Uninsured.adults.Numerator"
288 "Uninsured.adults.Denominator"
289 "Uninsured.adults.Lower.Confidence.Interval"
290 "Uninsured.adults.Upper.Confidence.Interval"
291 "Uninsured.children.Value"
292 "Uninsured.children.Numerator"
293 "Uninsured.children.Denominator"
294 "Uninsured.children.Lower.Confidence.Interval"
295 "Uninsured.children.Upper.Confidence.Interval"
296 "Health.care.costs.Value"

297 "Health.care.costs.Numerator"
298 "Health.care.costs.Denominator"
299 "Health.care.costs.Lower.Confidence.Interval"
300 "Health.care.costs.Upper.Confidence.Interval"
301 "Could.not.see.doctor.due.to.cost.Value"
302 "Could.not.see.doctor.due.to.cost.Numerator"
303 "Could.not.see.doctor.due.to.cost.Denominator"
304 "Could.not.see.doctor.due.to.cost.Lower.Confidence.Interval"
305 "Could.not.see.doctor.due.to.cost.Upper.Confidence.Interval"
306 "Other.primary.care.providers.Value"
307 "Other.primary.care.providers.Ratio"
308 "Other.primary.care.providers.Numerator"
309 "Other.primary.care.providers.Denominator"
310 "Other.primary.care.providers.Lower.Confidence.Interval"
311 "Other.primary.care.providers.Upper.Confidence.Interval"
312 "Median.household.income.Value"
313 "Median.household.income.Numerator"
314 "Median.household.income.Denominator"
315 "Median.household.income.Lower.Confidence.Interval"
316 "Median.household.income.Upper.Confidence.Interval"
317 "Children.eligible.for.free.lunch.Value"
318 "Children.eligible.for.free.lunch.Numerator"
319 "Children.eligible.for.free.lunch.Denominator"
320 "Children.eligible.for.free.lunch.Lower.Confidence.Interval"
321 "Children.eligible.for.free.lunch.Upper.Confidence.Interval"
322 "Homicide.rate.Value"
323 "Homicide.rate.Numerator"
324 "Homicide.rate.Denominator"
325 "Homicide.rate.Lower.Confidence.Interval"
326 "Homicide.rate.Upper.Confidence.Interval"
327 "statecode"
328 "countycode"

Source

2014 and 2015 datasets from http://www.countyhealthrankings.org/rankings/data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. Also see: http://www.countyhealthrankings.org/about-project

countyhealth15 *Countyhealthrankings.org 2015 dataset*

Description

This data set provides a variety of health indicators for each US county.

Usage

```
data('countyhealth15')
```

Format

A data.frame with 3191 rows (Counties) and 331 columns (variables)

1 "FIPS"
2 "ST"
3 "STATECODE"
4 "COUNTYCODE"
5 "State"
6 "County"
7 "County.that.was.not.ranked"
8 "Premature.death.Value"
9 "Premature.death.Numerator"
10 "Premature.death.Denominator"
11 "Premature.death.Lower.Confidence.Interval"
12 "Premature.death.Upper.Confidence.Interval"
13 "Poor.or.fair.health.Value"
14 "Poor.or.fair.health.Numerator"
15 "Poor.or.fair.health.Denominator"
16 "Poor.or.fair.health.Lower.Confidence.Interval"
17 "Poor.or.fair.health.Upper.Confidence.Interval"
18 "Poor.physical.health.days.Value"
19 "Poor.physical.health.days.Numerator"
20 "Poor.physical.health.days.Denominator"
21 "Poor.physical.health.days.Lower.Confidence.Interval"
22 "Poor.physical.health.days.Upper.Confidence.Interval"
23 "Poor.mental.health.days.Value"
24 "Poor.mental.health.days.Numerator"
25 "Poor.mental.health.days.Denominator"
26 "Poor.mental.health.days.Lower.Confidence.Interval"
27 "Poor.mental.health.days.Upper.Confidence.Interval"
28 "Low.birthweight.Value"

29 "Low.birthweight.Numerator"
30 "Low.birthweight.Denominator"
31 "Low.birthweight.Lower.Confidence.Interval"
32 "Low.birthweight.Upper.Confidence.Interval"
33 "Adult.smoking.Value"
34 "Adult.smoking.Numerator"
35 "Adult.smoking.Denominator"
36 "Adult.smoking.Lower.Confidence.Interval"
37 "Adult.smoking.Upper.Confidence.Interval"
38 "Adult.obesity.Value"
39 "Adult.obesity.Numerator"
40 "Adult.obesity.Denominator"
41 "Adult.obesity.Lower.Confidence.Interval"
42 "Adult.obesity.Upper.Confidence.Interval"
43 "Food.environment.index.Value"
44 "Food.environment.index.Numerator"
45 "Food.environment.index.Denominator"
46 "Food.environment.index.Lower.Confidence.Interval"
47 "Food.environment.index.Upper.Confidence.Interval"
48 "Physical.inactivity.Value"
49 "Physical.inactivity.Numerator"
50 "Physical.inactivity.Denominator"
51 "Physical.inactivity.Lower.Confidence.Interval"
52 "Physical.inactivity.Upper.Confidence.Interval"
53 "Access.to.exercise.opportunities.Value"
54 "Access.to.exercise.opportunities.Numerator"
55 "Access.to.exercise.opportunities.Denominator"
56 "Access.to.exercise.opportunities.Lower.Confidence.Interval"
57 "Access.to.exercise.opportunities.Upper.Confidence.Interval"
58 "Excessive.drinking.Value"
59 "Excessive.drinking.Numerator"
60 "Excessive.drinking.Denominator"
61 "Excessive.drinking.Lower.Confidence.Interval"
62 "Excessive.drinking.Upper.Confidence.Interval"
63 "Alcohol.impaired.driving.deaths.Value"
64 "Alcohol.impaired.driving.deaths.Numerator"
65 "Alcohol.impaired.driving.deaths.Denominator"
66 "Alcohol.impaired.driving.deaths.Lower.Confidence.Interval"
67 "Alcohol.impaired.driving.deaths.Upper.Confidence.Interval"
68 "Sexually.transmitted.infections.Value"

69 "Sexually.transmitted.infections.Numerator"
70 "Sexually.transmitted.infections.Denominator"
71 "Sexually.transmitted.infections.Lower.Confidence.Interval"
72 "Sexually.transmitted.infections.Upper.Confidence.Interval"
73 "Teen.births.Value"
74 "Teen.births.Numerator"
75 "Teen.births.Denominator"
76 "Teen.births.Lower.Confidence.Interval"
77 "Teen.births.Upper.Confidence.Interval"
78 "Uninsured.Value"
79 "Uninsured.Numerator"
80 "Uninsured.Denominator"
81 "Uninsured.Lower.Confidence.Interval"
82 "Uninsured.Upper.Confidence.Interval"
83 "Primary.care.physicians.Value"
84 "Primary.care.physicians.Ratio"
85 "Primary.care.physicians.Numerator"
86 "Primary.care.physicians.Denominator"
87 "Primary.care.physicians.Lower.Confidence.Interval"
88 "Primary.care.physicians.Upper.Confidence.Interval"
89 "Dentists.Value"
90 "Dentists.Ratio"
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108 "Diabetic.screening.Denominator"

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140 "Income.inequality.Upper.Confidence.Interval"
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143 "Children.in.single.parent.households.Denominator"
144 "Children.in.single.parent.households.Lower.Confidence.Interval"
145 "Children.in.single.parent.households.Upper.Confidence.Interval"
146 "Social.associations.Value"
147 "Social.associations.Numerator"
148 "Social.associations.Denominator"

149 "Social.associations.Lower.Confidence.Interval"
150 "Social.associations.Upper.Confidence.Interval"
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152 "Violent.crime.Numerator"
153 "Violent.crime.Denominator"
154 "Violent.crime.Lower.Confidence.Interval"
155 "Violent.crime.Upper.Confidence.Interval"
156 "Injury.deaths.Value"
157 "Injury.deaths.Numerator"
158 "Injury.deaths.Denominator"
159 "Injury.deaths.Lower.Confidence.Interval"
160 "Injury.deaths.Upper.Confidence.Interval"
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162 "Air.pollution...particulate.matter.Numerator"
163 "Air.pollution...particulate.matter.Denominator"
164 "Air.pollution...particulate.matter.Lower.Confidence.Interval"
165 "Air.pollution...particulate.matter.Upper.Confidence.Interval"
166 "Drinking.water.violations.Value"
167 "Drinking.water.violations.Numerator"
168 "Drinking.water.violations.Denominator"
169 "Drinking.water.violations.Lower.Confidence.Interval"
170 "Drinking.water.violations.Upper.Confidence.Interval"
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173 "Severe.housing.problems.Denominator"
174 "Severe.housing.problems.Lower.Confidence.Interval"
175 "Severe.housing.problems.Upper.Confidence.Interval"
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177 "Driving.alone.to.work.Numerator"
178 "Driving.alone.to.work.Denominator"
179 "Driving.alone.to.work.Lower.Confidence.Interval"
180 "Driving.alone.to.work.Upper.Confidence.Interval"
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183 "Long.commute...driving.alone.Denominator"
184 "Long.commute...driving.alone.Lower.Confidence.Interval"
185 "Long.commute...driving.alone.Upper.Confidence.Interval"
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188 "X2011.population.estimate.denominator"

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193 "Percent.of.population.below.18.years.of.age.denominator"
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195 "Percent.of.population.below.18.years.of.age.Upper.Confidence.Interval"
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197 "Percent.of.population.aged.65.years.and.older.Numerator"
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203 "Percent.of.population.that.is.non.Hispanic.African.American.denominator"
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205 "Percent.of.population.that.is.non.Hispanic.African.American.Upper.Confidence.Interval"
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207 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Numerator"
208 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.denominator"
209 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Lower.Confidence.Interval"
210 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Upper.Confidence.Interval"
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213 "Percent.of.population.that.is.Asian.denominator"
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217 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Numerator"
218 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.denominator"
219 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Lower.Confidence.Interval"
220 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Upper.Confidence.Interval"
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228 "Percent.of.population.that.is.non.Hispanic.White.denominator"

229 "Percent.of.population.that.is.non.Hispanic.White.Lower.Confidence.Interval"
230 "Percent.of.population.that.is.non.Hispanic.White.Upper.Confidence.Interval"
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232 "Population.that.is.not.proficient.in.English.Numerator"
233 "Population.that.is.not.proficient.in.English.Denominator"
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235 "Population.that.is.not.proficient.in.English.Upper.Confidence.Interval"
236 "Percent.of.population.that.is.female"
237 "Percent.of.population.that.is.female.Numerator"
238 "Percent.of.population.that.is.female.denominator"
239 "Percent.of.population.that.is.female.Lower.Confidence.Interval"
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261 "Infant.mortality.Value"
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266 "Child.mortality.Value"
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269 "Child.mortality.Lower.Confidence.Interval"
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271 "Food.insecurity.Value"
272 "Food.insecurity.Numerator"
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274 "Food.insecurity.Lower.Confidence.Interval"
275 "Food.insecurity.Upper.Confidence.Interval"
276 "Limited.access.to.healthy.foods.Value"
277 "Limited.access.to.healthy.foods.Numerator"
278 "Limited.access.to.healthy.foods.Denominator"
279 "Limited.access.to.healthy.foods.Lower.Confidence.Interval"
280 "Limited.access.to.healthy.foods.Upper.Confidence.Interval"
281 "Motor.vehicle.crash.deaths.Value"
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283 "Motor.vehicle.crash.deaths.Denominator"
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285 "Motor.vehicle.crash.deaths.Upper.Confidence.Interval"
286 "Drug.poisoning.deaths.Value"
287 "Drug.poisoning.deaths.Numerator"
288 "Drug.poisoning.deaths.Denominator"
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290 "Drug.poisoning.deaths.Upper.Confidence.Interval"
291 "Uninsured.adults.Value"
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294 "Uninsured.adults.Lower.Confidence.Interval"
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299 "Uninsured.children.Lower.Confidence.Interval"
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303 "Health.care.costs.Denominator"
304 "Health.care.costs.Lower.Confidence.Interval"
305 "Health.care.costs.Upper.Confidence.Interval"
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308 "Could.not.see.doctor.due.to.cost.Denominator"
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309 "Could.not.see.doctor.due.to.cost.Lower.Confidence.Interval"
310 "Could.not.see.doctor.due.to.cost.Upper.Confidence.Interval"
311 "Other.primary.care.providers.Value"
312 "Other.primary.care.providers.Ratio"
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314 "Other.primary.care.providers.Denominator"
315 "Other.primary.care.providers.Lower.Confidence.Interval"
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324 "Children.eligible.for.free.lunch.Denominator"
325 "Children.eligible.for.free.lunch.Lower.Confidence.Interval"
326 "Children.eligible.for.free.lunch.Upper.Confidence.Interval"
327 "Homicide.rate.Value"
328 "Homicide.rate.Numerator"
329 "Homicide.rate.Denominator"
330 "Homicide.rate.Lower.Confidence.Interval"
331 "Homicide.rate.Upper.Confidence.Interval"

Source

2014 and 2015 datasets from http://www.countyhealthrankings.org/rankings/data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. Also see: http://www.countyhealthrankings.org/about-project

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countyhealth16 *Countyhealthrankings.org 2016 dataset*

Description

This data set provides a variety of health indicators for each US county.

Usage

```
data('countyhealth16')
```

Format

A data.frame with 3191 rows (Counties) and 362 columns (variables)

1 "STATECODE"
2 "COUNTYCODE"
3 "State"
4 "County"
5 "County.that.was.not.ranked"
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7 "Premature.death.Numerator"
8 "Premature.death.Denominator"
9 "Premature.death.Lower.Confidence.Interval"
10 "Premature.death.Upper.Confidence.Interval"
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13 "Poor.or.fair.health.Denominator"
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15 "Poor.or.fair.health.Upper.Confidence.Interval"
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18 "Poor.physical.health.days.Denominator"
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21 "Poor.mental.health.days.Value"
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29 "Low.birthweight.Lower.Confidence.Interval"
30 "Low.birthweight.Upper.Confidence.Interval"
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33 "Adult.smoking.Denominator"
34 "Adult.smoking.Lower.Confidence.Interval"
35 "Adult.smoking.Upper.Confidence.Interval"
36 "Adult.obesity.Value"
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38 "Adult.obesity.Denominator"

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40 "Adult.obesity.Upper.Confidence.Interval"
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48 "Physical.inactivity.Denominator"
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50 "Physical.inactivity.Upper.Confidence.Interval"
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58 "Excessive.drinking.Denominator"
59 "Excessive.drinking.Lower.Confidence.Interval"
60 "Excessive.drinking.Upper.Confidence.Interval"
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62 "Alcohol.impaired.driving.deaths.Numerator"
63 "Alcohol.impaired.driving.deaths.Denominator"
64 "Alcohol.impaired.driving.deaths.Lower.Confidence.Interval"
65 "Alcohol.impaired.driving.deaths.Upper.Confidence.Interval"
66 "Sexually.transmitted.infections.Value"
67 "Sexually.transmitted.infections.Numerator"
68 "Sexually.transmitted.infections.Denominator"
69 "Sexually.transmitted.infections.Lower.Confidence.Interval"
70 "Sexually.transmitted.infections.Upper.Confidence.Interval"
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75 "Teen.births.Upper.Confidence.Interval"
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77 "Uninsured.Numerator"
78 "Uninsured.Denominator"
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 82 "Primary.care.physicians.Ratio"
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 84 "Primary.care.physicians.Denominator"
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 88 "Dentists.Ratio"
 89 "Dentists.Numerator"
 90 "Dentists.Denominator"
 91 "Dentists.Lower.Confidence.Interval"
 92 "Dentists.Upper.Confidence.Interval"
 93 "Mental.health.providers.Value"
 94 "Mental.health.providers.Ratio"
 95 "Mental.health.providers.Numerator"
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 97 "Mental.health.providers.Lower.Confidence.Interval"
 98 "Mental.health.providers.Upper.Confidence.Interval"
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101 "Preventable.hospital.stays.Denominator"
102 "Preventable.hospital.stays.Lower.Confidence.Interval"
103 "Preventable.hospital.stays.Upper.Confidence.Interval"
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113 "Mammography.screening.Upper.Confidence.Interval"
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117 "High.school.graduation.Lower.Confidence.Interval"
118 "High.school.graduation.Upper.Confidence.Interval"
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141 "Children.in.single.parent.households.Denominator"
142 "Children.in.single.parent.households.Lower.Confidence.Interval"
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144 "Social.associations.Value"
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146 "Social.associations.Denominator"
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148 "Social.associations.Upper.Confidence.Interval"
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156 "Injury.deaths.Denominator"
157 "Injury.deaths.Lower.Confidence.Interval"
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159 "Air.pollution...particulate.matter.Value"
160 "Air.pollution...particulate.matter.Numerator"
161 "Air.pollution...particulate.matter.Denominator"
162 "Air.pollution...particulate.matter.Lower.Confidence.Interval"
163 "Air.pollution...particulate.matter.Upper.Confidence.Interval"
164 "Drinking.water.violations.Value"
165 "Drinking.water.violations.Numerator"
166 "Drinking.water.violations.Denominator"
167 "Drinking.water.violations.Lower.Confidence.Interval"
168 "Drinking.water.violations.Upper.Confidence.Interval"
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172 "Severe.housing.problems.Lower.Confidence.Interval"
173 "Severe.housing.problems.Upper.Confidence.Interval"
174 "Driving.alone.to.work.Value"
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177 "Driving.alone.to.work.Lower.Confidence.Interval"
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179 "Long.commute...driving.alone.Value"
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181 "Long.commute...driving.alone.Denominator"
182 "Long.commute...driving.alone.Lower.Confidence.Interval"
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189 "Child.mortality.Value"
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191 "Child.mortality.Denominator"
192 "Child.mortality.Lower.Confidence.Interval"
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194 "Infant.mortality.Value"
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207 "Frequent.mental.distress.Lower.Confidence.Interval"
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209 "Diabetes.Value"
210 "Diabetes.Numerator"
211 "Diabetes.Denominator"
212 "Diabetes.Lower.Confidence.Interval"
213 "Diabetes.Upper.Confidence.Interval"
214 "HIV.prevalence.rate.Value"
215 "HIV.prevalence.rate.Numerator"
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220 "Food.insecurity.Numerator"
221 "Food.insecurity.Denominator"
222 "Food.insecurity.Lower.Confidence.Interval"
223 "Food.insecurity.Upper.Confidence.Interval"
224 "Limited.access.to.healthy.foods.Value"
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228 "Limited.access.to.healthy.foods.Upper.Confidence.Interval"
229 "Drug.Overdose.Deaths.Value"
230 "Drug.Overdose.Deaths.Numerator"
231 "Drug.Overdose.Deaths.Denominator"
232 "Drug.Overdose.Deaths.Lower.Confidence.Interval"
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234 "Drug.Overdose.Deaths..Modeled.Value"
235 "Drug.Overdose.Deaths..Modeled.Numerator"
236 "Drug.Overdose.Deaths..Modeled.Denominator"
237 "Drug.Overdose.Deaths..Modeled.Lower.Confidence.Interval"
238 "Drug.Overdose.Deaths..Modeled.Upper.Confidence.Interval"

239 "Motor.vehicle.crash.deaths.Value"
240 "Motor.vehicle.crash.deaths.Numerator"
241 "Motor.vehicle.crash.deaths.Denominator"
242 "Motor.vehicle.crash.deaths.Lower.Confidence.Interval"
243 "Motor.vehicle.crash.deaths.Upper.Confidence.Interval"
244 "Insufficient.sleep.Value"
245 "Insufficient.sleep.Numerator"
246 "Insufficient.sleep.Denominator"
247 "Insufficient.sleep.Lower.Confidence.Interval"
248 "Insufficient.sleep.Upper.Confidence.Interval"
249 "Uninsured.adults.Value"
250 "Uninsured.adults.Numerator"
251 "Uninsured.adults.Denominator"
252 "Uninsured.adults.Lower.Confidence.Interval"
253 "Uninsured.adults.Upper.Confidence.Interval"
254 "Uninsured.children.Value"
255 "Uninsured.children.Numerator"
256 "Uninsured.children.Denominator"
257 "Uninsured.children.Lower.Confidence.Interval"
258 "Uninsured.children.Upper.Confidence.Interval"
259 "Health.care.costs.Value"
260 "Health.care.costs.Numerator"
261 "Health.care.costs.Denominator"
262 "Health.care.costs.Lower.Confidence.Interval"
263 "Health.care.costs.Upper.Confidence.Interval"
264 "Other.primary.care.providers.Value"
265 "Other.primary.care.providers.Ratio"
266 "Other.primary.care.providers.Numerator"
267 "Other.primary.care.providers.Denominator"
268 "Other.primary.care.providers.Lower.Confidence.Interval"
269 "Other.primary.care.providers.Upper.Confidence.Interval"
270 "Median.household.income.Value"
271 "Median.household.income.Numerator"
272 "Median.household.income.Denominator"
273 "Median.household.income.Lower.Confidence.Interval"
274 "Median.household.income.Upper.Confidence.Interval"
275 "Children.eligible.for.free.lunch.Value"
276 "Children.eligible.for.free.lunch.Numerator"
277 "Children.eligible.for.free.lunch.Denominator"
278 "Children.eligible.for.free.lunch.Lower.Confidence.Interval"

279 "Children.eligible.for.free.lunch.Upper.Confidence.Interval"
280 "Residential.segregation...Black.White.Value"
281 "Residential.segregation...Black.White.Numerator"
282 "Residential.segregation...Black.White.Denominator"
283 "Residential.segregation...Black.White.Lower.Confidence.Interval"
284 "Residential.segregation...Black.White.Upper.Confidence.Interval"
285 "Residential.segregation.non.White.White.Value"
286 "Residential.segregation.non.White.White.Numerator"
287 "Residential.segregation.non.White.White.Denominator"
288 "Residential.segregation.non.White.White.Lower.Confidence.Interval"
289 "Residential.segregation.non.White.White.Upper.Confidence.Interval"
290 "Homicide.rate.Value"
291 "Homicide.rate.Numerator"
292 "Homicide.rate.Denominator"
293 "Homicide.rate.Lower.Confidence.Interval"
294 "Homicide.rate.Upper.Confidence.Interval"
295 "Population.estimate.Value"
296 "Population.estimate.Numerator"
297 "Population.estimate.denominator"
298 "Population.estimate.Lower.Confidence.Interval"
299 "Population.estimate.Upper.Confidence.Interval"
300 "Percent.of.population.below.18.years.of.age"
301 "Percent.of.population.below.18.years.of.age.Numerator"
302 "Percent.of.population.below.18.years.of.age.denominator"
303 "Percent.of.population.below.18.years.of.age.Lower.Confidence.Interval"
304 "Percent.of.population.below.18.years.of.age.Upper.Confidence.Interval"
305 "Percent.of.population.aged.65.years.and.older"
306 "Percent.of.population.aged.65.years.and.older.Numerator"
307 "Percent.of.population.aged.65.years.and.older.denominator"
308 "Percent.of.population.aged.65.years.and.older.Lower.Confidence.Interval"
309 "Percent.of.population.aged.65.years.and.older.Upper.Confidence.Interval"
310 "Percent.of.population.that.is.non.Hispanic.African.American"
311 "Percent.of.population.that.is.non.Hispanic.African.American.Numerator"
312 "Percent.of.population.that.is.non.Hispanic.African.American.denominator"
313 "Percent.of.population.that.is.non.Hispanic.African.American.Lower.Confidence.Interval"
314 "Percent.of.population.that.is.non.Hispanic.African.American.Upper.Confidence.Interval"
315 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native"
316 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Numerator"
317 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.denominator"
318 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Lower.Confidence.Interval"

319 "Percent.of.population.that.is.American.Indian.or.Alaskan.Native.Upper.Confidence.Interval"
320 "Percent.of.population.that.is.Asian"
321 "Percent.of.population.that.is.Asian.Numerator"
322 "Percent.of.population.that.is.Asian.denominator"
323 "Percent.of.population.that.is.Asian.Lower.Confidence.Interval"
324 "Percent.of.population.that.is.Asian.Upper.Confidence.Interval"
325 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander"
326 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Numerator"
327 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.denominator"
328 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Lower.Confidence.Interval"
329 "Percent.of.population.that.is.Native.Hawaiian.or.Other.Pacific.Islander.Upper.Confidence.Interval"
330 "Percent.of.population.that.is.Hispanic"
331 "Percent.of.population.that.is.Hispanic.Numerator"
332 "Percent.of.population.that.is.Hispanic.denominator"
333 "Percent.of.population.that.is.Hispanic.Lower.Confidence.Interval"
334 "Percent.of.population.that.is.Hispanic.Upper.Confidence.Interval"
335 "Percent.of.population.that.is.non.Hispanic.White"
336 "Percent.of.population.that.is.non.Hispanic.White.Numerator"
337 "Percent.of.population.that.is.non.Hispanic.White.denominator"
338 "Percent.of.population.that.is.non.Hispanic.White.Lower.Confidence.Interval"
339 "Percent.of.population.that.is.non.Hispanic.White.Upper.Confidence.Interval"
340 "Population.that.is.not.proficient.in.English.Value"
341 "Population.that.is.not.proficient.in.English.Numerator"
342 "Population.that.is.not.proficient.in.English.Denominator"
343 "Population.that.is.not.proficient.in.English.Lower.Confidence.Interval"
344 "Population.that.is.not.proficient.in.English.Upper.Confidence.Interval"
345 "Percent.of.population.that.is.female"
346 "Percent.of.population.that.is.female.Numerator"
347 "Percent.of.population.that.is.female.denominator"
348 "Percent.of.population.that.is.female.Lower.Confidence.Interval"
349 "Percent.of.population.that.is.female.Upper.Confidence.Interval"
350 "Population.living.in.a.rural.area.Value"
351 "Population.living.in.a.rural.area.Numerator"
352 "Population.living.in.a.rural.area.Denominator"
353 "Population.living.in.a.rural.area.Lower.Confidence.Interval"
354 "Population.living.in.a.rural.area.Upper.Confidence.Interval"
355 "Rank.for.Variable.HO"
356 "Rank.for.Variable.MORTALITY"
357 "Rank.for.Variable.MORBIDITY"
358 "Rank.for.Variable.HF"
359 "Rank.for.Variable.HB"
360 "Rank.for.Variable.CC"
361 "Rank.for.Variable.SF"
362 "Rank.for.Variable.PE"

Source

2014 2015 2016 datasets from http://www.countyhealthrankings.org/rankings/data 2014/2015 data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. The 2016 data was obtained 3/17/2016 and was not modified – Just used utils::read.csv('2016CHR_CSV_Analytic_Data.csv'). Also see: http://www.countyhealthrankings.org/about-project

---

countyhealth17 *Countyhealthrankings.org 2017 dataset *** WORK IN PROGRESS*

Description

This data set provides a variety of health indicators for each US county.

Usage

```
data('countyhealth17')
```

Format

A data.frame with >3000 rows (Counties) and >300 columns (variables)

Source

2014 2015 2016 2017 2018 datasets from http://www.countyhealthrankings.org/rankings/data # e.g., utils::browseURL('http://www.countyhealthrankings.org/rankings/data') # or utils::download.file(url = paste('http://www.countyhealthrankings.org/sites/default/files/', fname, sep = ''), destfile = fname) # maybe better to use readr::read_csv() since it is better at guessing preferred format of each column # require(readr) # countyhealth17 <- readr::read_csv(fname) countyhealth17 <- utils::read.csv(fname, stringsAsFactors = FALSE) save(countyhealth17, file = 'countyhealth17.RData')

2014/2015 data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. The 2016 data was obtained 3/17/2016 and was not modified The 2017 data was obtained 3/28/2018 The 2018 data was obtained 3/28/2018 Also see: http://www.countyhealthrankings.org/about-project

---

countyhealth18 *Countyhealthrankings.org 2018 dataset *** WORK IN PROGRESS*

Description

This data set provides a variety of health indicators for each US county.

Usage

```
data('countyhealth18')
```

Format

A data.frame with >3000 rows (Counties) and >300 columns (variables)

Source

2014 2015 2016 2017 2018 datasets from http://www.countyhealthrankings.org/rankings/data # e.g., utils::browseURL('http://www.countyhealthrankings.org/rankings/data') # or utils::download.file(url = paste('http://www.countyhealthrankings.org/sites/default/files/', fname, sep = ''), destfile = fname) # maybe better to use readr::read_csv() since it is better at guessing preferred format of each column # require(readr) # countyhealth18 <- read_csv(fname) countyhealth18 <- utils::read.csv(fname, stringsAsFactors = FALSE) save(countyhealth18, file = 'countyhealth18.RData')

2014/2015 data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. The 2016 data was obtained 3/17/2016 and was not modified The 2017 data was obtained 3/28/2018 The 2018 data was obtained 3/28/2018 Also see: http://www.countyhealthrankings.org/about-project

---

`countyhealth19` *Countyhealthrankings.org 2019 dataset*

Description

This data set provides a variety of health indicators for each US county. The data vector colfullnames19 contains longer descriptive names of the fields than the data frame column names, such as "Poor or fair health raw value" instead of "v002_rawvalue"

Usage

```
data('countyhealth19')
```

Format

A data.frame with >3000 rows (Counties but also State and US totals) and >500 columns (variables). For 2019, 3194 obs. of 534 variables.

Source

2014 2015 2016 2017 2018 2019 datasets from http://www.countyhealthrankings.org/explore-health-rankings/rankings-data-documentation # e.g., utils::browseURL('http://www.countyhealthrankings.org/rankings/data') # or fname <- 'analytic_data2019_0.csv' utils::download.file(url = paste('http://www.countyhealthrankings.org/sites/default/files/', fname, sep = ''), destfile = fname) # maybe better to use readr::read_csv() since it is better at guessing preferred format of each column #countyhealth19 <- utils::read.csv(fname, stringsAsFactors = FALSE) require(readr) countyhealth19 <- readr::read_csv(fname, skip = 1, col_types = paste('ccccc', paste(rep('d',534-5), collapse = ''), sep = '')) countyhealth19 <- as.data.frame(countyhealth19) colfullnames19 <- readr::read_csv(fname, n_max = 1, col_names = FALSE) colfullnames19 <- as.vector(unlist(colfullnames19)) # simpler countyhealth19[1:5, 1:9] save(countyhealth19, file = 'countyhealth19.RData') save(colfullnames19, file = 'colfullnames19.RData')

2014/2015 data obtained 3/27/2015 and slightly modified to provide 5 digit FIPS as character field, and ST field as copy of State field. The 2016 data was obtained 3/17/2016 and was not modified The 2017 data was obtained 3/28/2018 The 2018 data was obtained 3/28/2018 The 2019 data was obtained 4/22/2019 Also see: http://www.countyhealthrankings.org/about-us

`downloadandsave` *Details on obtaining data and fields (for 2014-2016 at least)*

Description

Obtain and slightly modify 2014 and 2015 datasets from countyhealthrankings.org for use in R.

Source of data: http://www.countyhealthrankings.org/rankings/data

Also see http://www.countyhealthrankings.org/about-project

Obtained 3/27/2015 using the code in this function, `downloadandsave`.

Usage

```
downloadandsave(url, file)
```

Arguments

`url`	URL of data including filename
`file`	Name of local file to be saved in working directory during download

Details

This package contains the datasets, available via `data`, as well as this function `downloadandsave` that was used to obtain the datasets. Also, this package later could require("analyze.stuff") for helper functions lead.zeroes() and put.first() but that package is not public yet (not yet a public repo), so those two functions are included separately in this package.

Value

data.frame of downloaded and cleaned data

Examples

```
## Not run:

# This is how the two datasets were obtained and cleaned:

countyhealth16 <- downloadandsave(
  'http://www.countyhealthrankings.org/sites/default/files/2016CHR_CSV_Analytic_Data.csv',
  'countyhealth16.csv')
save(countyhealth16, file='countyhealth16.RData')

countyhealth15 <- downloadandsave(
  'http://www.countyhealthrankings.org/sites/default/files/2015%20CHR%20Analytic%20Data.csv',
  'countyhealth15.csv')
save(countyhealth15, file='countyhealth15.RData')

countyhealth14 <- downloadandsave(
  'http://www.countyhealthrankings.org/sites/default/files/2014%20CHR%20analytic%20data.csv',
  'countyhealth14.csv')
save(countyhealth14, file='countyhealth14.RData')
```

```
## End(Not run)

 ## Not run:

 table(countyhealth15$County.that.was.not.ranked, useNA='always')
 #  0    1 <NA>
 #  1   79 3111
 length(countyhealth15$FIPS)
 # 3191
 table(nchar(countyhealth15$FIPS))
 # always 5

## End(Not run)
```

`lead.zeroes` *Add leading zeroes as needed*

Description

Returns the vector that was supplied, but with leading zeroes added where needed to make all elements have specified number of characters.

Usage

```
lead.zeroes(fips, length.desired)
```

Arguments

`fips`	Character vector, which can be FIPS codes or other data. Required.
`length.desired`	A single numeric value (recycled), or vector of numbers, required, specifying how many characters long each returned string should be.

Details

This function can be useful in working with Census data where FIPS codes are often used. Moving data to and from a spreadsheet can remove leading zeroes that may be necessary for proper data management. This can apply to e.g., FIPS code for a block, block group, tract, county, or state. Note: Number of digits in FIPS codes, assuming leading zeroes are there:
state 2 (2 cumulative)
county 3 (5 cum)
tract 6 (11 cum) (note 11 digits is ambiguous if not sure leading zero is there)
block group 1 (12 cum) (note 12 digits is ambiguous if not sure leading zero is there)
block 1 (13 cum)

Value

Returns a vector of same length as input parameter

Examples

```
lead.zeroes(c('234','01234','3'), 5)
```

`lifex` *life expectancy by tract*

Description

This data set provides life expectancy estimates for US Census tracts.

Format

A data.frame with 65662 observations (tracts) of 7 variables
FIPS FIPS.ST FIPS.COUNTY3 FIPS.TRACT6 lifex se flag
original colnames: "Tract ID","STATE2KX","CNTY2KX","TRACT2KX","e(0)","se(e(0))","Abridged life table flag"

'data.frame': 65662 obs. of 7 variables:
$ FIPS : chr "01001020100" "01001020200" "01001020400" "01001020500" ...
$ FIPS.ST : chr "01" "01" "01" "01" ...
$ FIPS.COUNTY3: chr "001" "001" "001" "001" ...
$ FIPS.TRACT6 : chr "020100" "020200" "020400" "020500" ...
$ lifex : num 73.1 76.9 75.4 79.4 73.1 78.3 76.9 73.9 74 72.2 ...
$ se : num 2.23 3.35 1.02 1.18 1.55 ...
$ flag : int 3 3 3 1 3 3 2 1 2 2 ...

Details

Suggested citation
For data files: National Center for Health Statistics. U.S. Small-Area Life Expectancy Estimates Project (USALEEP): Life Expectancy Estimates File for Jurisdiction, 2010-2015]. National Center for Health Statistics. 2018. Available from: https://www.cdc.gov/nchs/nvss/usaleep/usaleep.html.
For methodology: Arias E, Escobedo LA, Kennedy J, Fu C, Cisewski J. U.S. Small-area Life Expectancy Estimates Project: Methodology and Results Summary (PDF 8 MB). National Center for Health Statistics. Vital Health Stat 2(181). 2018.

The U.S. Small-area Life Expectancy Estimates Project (USALEEP) is a partnership of NCHS, the Robert Wood Johnson Foundation (RWJF), and the National Association for Public Health Statistics and Information Systems (NAPHSIS) to produce a new measure of health for where you live. The USALEEP project produced estimates of life expectancy at birth - the average number of years a person can expect to live - for most of the census tracts in the United States for the period 2010-2015. The abridged period life tables calculated to estimate census-tract life expectancy at birth for the period 2010-2015 are based on a methodology developed for this project and described in the report: Arias E, Escobedo LA, Kennedy J, Fu C, Cisewski J. U.S. Small-area Life Expectancy Estimates Project: Methodology and Results Summary (PDF 8 MB). National Center for Health Statistics. Vital Health Stat 2(181). 2018.
Life Expectancy Files contain geographic identifiers, life expectancy at birth for 2010-2015, and flags noting whether the estimates were based exclusively on observed data, a combination of observed and predicted values, or exclusively predicted values.

Obtained as follows:

```
# require(readr)
# filename <- 'https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NVSS/USALEEP/CSV/US_A.CSV'
# x <- read_csv(file = filename, col_names = TRUE)
# colnames(x) <- c('FIPS', 'FIPS.ST', 'FIPS.COUNTY3', 'FIPS.TRACT6', 'lifex', 'se', 'flag')
# lifex <- as.data.frame(x)
# save(lifex, file = 'lifex.RData')
```

Source

2018 dataset from https://www.cdc.gov/nchs/nvss/usaleep/usaleep.html obtained 9/28/2028 and slightly modified to provide new column names.

Also see: https://www.cdc.gov/nchs/nvss/usaleep/usaleep.html

---

put.first *Simple way to put certain cols first, in a data.frame*

Description

Returns a data.frame with specified columns put first, before the others.

Usage

```
put.first(x, fields)
```

Arguments

x	Required data.frame that will have its columns reordered
fields	required character vector of strings that are among the elements of names(x)

Value

Returns a transformed data.frame with cols in new order

Examples

```
before <- data.frame(year=c(2,2,2), ID=3, numbers=4, last=1)
put.first(before, c('ID', 'numbers'))
after <- put.first(before, names(before)[length(before)] ) # put last column first
before; after
```

`url.countyhealthrankings` *Public Health Information on State or County*

Description

Returns URL with public health information about a US State or County, and can also launch a browser to open that webpage. Information is from http://www.countyhealthrankings.org

Usage

```
url.countyhealthrankings(fips = "http://www.countyhealthrankings.org",
  launch = TRUE, year = 2019)
```

Arguments

`fips`	Optional (defaults to full USA webpage) character FIPS code of State (2 characters) or County (5 characters), or name of State (e.g., District of Columbia). Attempts to replace any missing leading zero. Ability to enter County name as fips is not yet working. See `urls.countyhealthrankings` for handling multiple fips.
`launch`	Optional (default is TRUE) logical, specifying whether to launch browser to display website.
`year`	Optional year as number. Most years are untested.

Details

Now just an alias for `urls.countyhealthrankings`

Value

Returns character URL.

See Also

`urls.countyhealthrankings` for handling multiple fips, `get.county.info` from **ejanalysis** package, and `get_county_demographics` from **choroplethr** package.

Examples

```
#
```

urls.chsi *URLs for Community Health Status Indicators for US Counties from CDC*

Description

Returns URLs with public health information about US Counties, and can also launch a browser to open a single webpage if just 1 specified. Information is from http://wwwn.cdc.gov/CommunityHealth

Usage

```
urls.chsi(fips = "http://www.cdc.gov/CommunityHealth", type = "health",
  launch = TRUE)
```

Arguments

fips	Single fips or a vector. Optional (defaults to homepage) character FIPS code of County (5 characters), or "Name of County, State" format. (e.g., "Montgomery County, MD"). Attempts to replace any missing leading zero. Ability to enter County name as fips is not yet working.
type	Optional (default is health) vector (same length as fips) specifying type of indicator or report to show for URL(s). Can be any of the following: health, demog, pm, highways, poverty. Others may be added later.
launch	Optional (default is TRUE but only if just one fips is specified) logical, specifying whether to launch browser to display website. Ignored if >1 fips provided.

Details

*** WARNING: Not yet tested for all counties, so multi-word and and nonstandard names are unlikely to work yet.

Value

Returns character URL(s).

See Also

urls.countyhealthrankings, get.county.info from **ejanalysis** package, and get_county_demographics from **choroplethr** package.

Examples

```
urls.chsi('01005')
urls.chsi('01005', 'demog')
urls.chsi('06037', 'pm')
urls.chsi(c('31165', 31165, 1001, 0))
```

`urls.countyhealthrankings` *URLs with Public Health Information on States and/or Counties*

Description

Returns URLs with public health information about US States or Counties, and can also launch a browser to open a single webpage if just 1 specified. Information is from http://www.countyhealthrankings.org

Usage

```
urls.countyhealthrankings(fips = "http://www.countyhealthrankings.org",
  launch = TRUE, year = 2019)
```

Arguments

`fips`	Single fips or a vector. Optional (defaults to full USA webpage) character FIPS code of State (2 characters) or County (5 characters), or name of State (e.g., District of Columbia). Attempts to replace any missing leading zero. Ability to enter County name as fips is not yet working.
`launch`	Optional (default is TRUE but only if just one fips is specified) logical, specifying whether to launch browser to display website. Ignored if >1 fips provided.
`year`	Optional year as number. Most years are untested.

Value

Returns character URL(s).

See Also

`get.county.info` from **ejanalysis** package, and `get_county_demographics` from **choroplethr** package.

Examples

```
# urls.countyhealthrankings(c('OHIO', 'new york', 25, '31165', 31165, 1001, 0))
```

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