Package 'countyhealthrankings'

February 22, 2016

Title Health indicators by county, from countyhealthrankings.org

Version 0.1.0

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Description This package just provides 2014 and 2015 datasets from countyhealthrankings.org, imported to R as a data.frame, to facilitate use of the data in R.
Source of data: 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.

URL http://ejanalysis.github.io

http://www.ejanalysis.com/

http://www.countyhealthrankings.org

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

Depends R (>= 3.1.2)

License Unlimited

LazyData true

Suggests analyze.stuff, ejanalysis

R topics documented:

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 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')

 # 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')
```

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"
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"
 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"
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119 "High.school.graduation.Lower.Confidence.Interval"
120 "High.school.graduation.Upper.Confidence.Interval"
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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

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`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"
91 "Dentists.Numerator"
92 "Dentists.Denominator"
93 "Dentists.Lower.Confidence.Interval"

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 94 "Dentists.Upper.Confidence.Interval"
 95 "Mental.health.providers.Value"
 96 "Mental.health.providers.Ratio"
 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"
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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"
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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"
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137 "Income.inequality.Numerator"
138 "Income.inequality.Denominator"
139 "Income.inequality.Lower.Confidence.Interval"
140 "Income.inequality.Upper.Confidence.Interval"
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142 "Children.in.single.parent.households.Numerator"
143 "Children.in.single.parent.households.Denominator"
144 "Children.in.single.parent.households.Lower.Confidence.Interval"
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148 "Social.associations.Denominator"
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163 "Air.pollution...particulate.matter.Denominator"
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166 "Drinking.water.violations.Value"
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169 "Drinking.water.violations.Lower.Confidence.Interval"
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171 "Severe.housing.problems.Value"
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173 "Severe.housing.problems.Denominator"
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174 "Severe.housing.problems.Lower.Confidence.Interval"
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176 "Driving.alone.to.work.Value"
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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182 "Long.commute...driving.alone.Numerator"
183 "Long.commute...driving.alone.Denominator"
184 "Long.commute...driving.alone.Lower.Confidence.Interval"
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187 "X2011.population.estimate.Numerator"
188 "X2011.population.estimate.denominator"
189 "X2011.population.estimate.Lower.Confidence.Interval"
190 "X2011.population.estimate.Upper.Confidence.Interval"
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192 "Percent.of.population.below.18.years.of.age.Numerator"
193 "Percent.of.population.below.18.years.of.age.denominator"
194 "Percent.of.population.below.18.years.of.age.Lower.Confidence.Interval"
195 "Percent.of.population.below.18.years.of.age.Upper.Confidence.Interval"
196 "Percent.of.population.aged.65.years.and.older"
197 "Percent.of.population.aged.65.years.and.older.Numerator"
198 "Percent.of.population.aged.65.years.and.older.denominator"
199 "Percent.of.population.aged.65.years.and.older.Lower.Confidence.Interval"
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202 "Percent.of.population.that.is.non.Hispanic.African.American.Numerator"
203 "Percent.of.population.that.is.non.Hispanic.African.American.denominator"
204 "Percent.of.population.that.is.non.Hispanic.African.American.Lower.Confidence.Interval"
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223 "Percent.of.population.that.is.Hispanic.denominator"
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323 "Children.eligible.for.free.lunch.Numerator"
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"
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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

`downloadandsave` *Details on obtaining data and fields*

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:

 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)
```

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 = 2015)
```

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 (default is 2015) year as number. Most years are untested and may not be valid, but 2015 works.

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 = 2015)
```

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 (default is 2015) year as number. Most years are untested and may not be valid, but 2015 works.

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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