

project proposal

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load libraries:

```
suppressMessages(suppressWarnings(library(dplyr)))
suppressMessages(suppressWarnings(library(stringr)))
suppressMessages(suppressWarnings(library(DATA606)))
```

```
##
## Welcome to CUNY DATA606 Statistics and Probability for Data Analytics
## This package is designed to support this course. The text book used
## is OpenIntro Statistics, 3rd Edition. You can read this by typing
## vignette('os3') or visit www.OpenIntro.org.
##
## The getLabs() function will return a list of the labs available.
##
## The demo(package='DATA606') will list the demos that are available.
```

```
suppressMessages(suppressWarnings(library(psych)))
suppressMessages(suppressWarnings(library(ggplot2)))
```

data prepration:

Load data:

```
originDS <- read.csv("https://raw.githubusercontent.com/kmehdi2017/projectProp/master/ProjectProposal/A
  sep = ",", stringsAsFactors = FALSE)
```

```
head(originDS)
```

```
##      GEO.id GEO.id2 GEO.display.label
## 1      Id      Id2      Geography
## 2 0400000US01      01      Alabama
## 3 0400000US02      02      Alaska
## 4 0400000US04      04      Arizona
## 5 0400000US05      05      Arkansas
## 6 0400000US06      06      California
##
##                                HC01_VC03
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households
## 2                                1848325
## 3                                250969
## 4                                2412212
## 5                                1138025
## 6                                12717801
##
##                                HC02_VC03
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households
## 2                                5710
## 3                                1362
## 4                                7194
```

## 5	3839
## 6	18352
##	HC03_VC03
## 1 Percent; HOUSEHOLDS BY TYPE - Total households	
## 2	1848325
## 3	250969
## 4	2412212
## 5	1138025
## 6	12717801
##	HC04_VC03
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households	
## 2	(X)
## 3	(X)
## 4	(X)
## 5	(X)
## 6	(X)
##	HC01_VC04
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families)	
## 2	1238967
## 3	167562
## 4	1581380
## 5	759924
## 6	8732734
##	HC02_VC04
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families)	
## 2	5463
## 3	1418
## 4	7010
## 5	4517
## 6	22938
##	HC03_VC04
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families)	
## 2	67.0
## 3	66.8
## 4	65.6
## 5	66.8
## 6	68.7
##	HC04_VC04
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families)	
## 2	0.2
## 3	0.5
## 4	0.2
## 5	0.3
## 6	0.1
##	
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - With own children	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - With own children	
## 2	

```

## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - With own children
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Wi
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-couple fam
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-co
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-couple fam
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Ma
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-couple fam
## 2
## 3
## 4
## 5
## 6
##

```

```

## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-cou
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Married-couple fam
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Ma
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder,
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male house
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder,
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Ma
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder,
## 2
## 3
## 4
## 5

```

```

## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Male householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder, non-institutionalized
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder, non-institutionalized
## 2
## 3

```

```

## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female hou
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Female householder
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Family households (families) - Fe
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Nonfamily households
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Nonfamily households
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone

```

```

## 2 532123
## 3 64538
## 4 659485
## 5 320642
## 6 3062512
## HC03_VC13
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6
## HC03_VC13
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2 28.8
## 3 25.7
## 4 27.3
## 5 28.2
## 6 24.1
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Total households - Nonfamily households - Householder living alone
## 2
## 3
## 4
## 5
## 6

```

##		HC01_VC17	
## 1	Estimate; HOUSEHOLDS BY TYPE - Households with one or more people under 18 years		
## 2		581680	
## 3		89686	
## 4		767607	
## 5		362679	
## 6		4586275	
##		HC02_VC17	
## 1	Margin of Error; HOUSEHOLDS BY TYPE - Households with one or more people under 18 years		
## 2		4410	
## 3		1436	
## 4		5616	
## 5		3090	
## 6		19012	
##		HC03_VC17	
## 1	Percent; HOUSEHOLDS BY TYPE - Households with one or more people under 18 years		
## 2		31.5	
## 3		35.7	
## 4		31.8	
## 5		31.9	
## 6		36.1	
##		HC04_VC17	
## 1	Percent Margin of Error; HOUSEHOLDS BY TYPE - Households with one or more people under 18 years		
## 2			0.2
## 3			0.5
## 4			0.2
## 5			0.2
## 6			0.1
##		HC01_VC18	
## 1	Estimate; HOUSEHOLDS BY TYPE - Households with one or more people 65 years and over		
## 2		511256	
## 3		46369	
## 4		700522	
## 5		317213	
## 6		3343861	
##		HC02_VC18	
## 1	Margin of Error; HOUSEHOLDS BY TYPE - Households with one or more people 65 years and over		
## 2		2496	
## 3		518	
## 4		3194	
## 5		1893	
## 6		9878	
##		HC03_VC18	
## 1	Percent; HOUSEHOLDS BY TYPE - Households with one or more people 65 years and over		
## 2		27.7	
## 3		18.5	
## 4		29.0	
## 5		27.9	
## 6		26.3	
##		HC04_VC18	
## 1	Percent Margin of Error; HOUSEHOLDS BY TYPE - Households with one or more people 65 years and over		
## 2			0.1
## 3			0.2
## 4			0.1


```

## 5
## 6
##
## HC01_VC21
## 1 Estimate; HOUSEHOLDS BY TYPE - Average household size
## 2 2.55
## 3 2.81
## 4 2.69
## 5 2.53
## 6 2.96
##
## HC02_VC21
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Average household size
## 2 0.01
## 3 0.02
## 4 0.01
## 5 0.01
## 6 0.01
##
## HC03_VC21
## 1 Percent; HOUSEHOLDS BY TYPE - Average household size
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC04_VC21
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Average household size
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC01_VC22
## 1 Estimate; HOUSEHOLDS BY TYPE - Average family size
## 2 3.15
## 3 3.40
## 4 3.30
## 5 3.10
## 6 3.54
##
## HC02_VC22
## 1 Margin of Error; HOUSEHOLDS BY TYPE - Average family size
## 2 0.01
## 3 0.02
## 4 0.01
## 5 0.01
## 6 0.01
##
## HC03_VC22
## 1 Percent; HOUSEHOLDS BY TYPE - Average family size
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC04_VC22
## 1 Percent Margin of Error; HOUSEHOLDS BY TYPE - Average family size
## 2 (X)

```

0.1
0.1

```

## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC01_VC26
## 1 Estimate; RELATIONSHIP - Population in households
## 2 4713245
## 3 706026
## 4 6491160
## 5 2875876
## 6 37604610
##
## HC02_VC26
## 1 Margin of Error; RELATIONSHIP - Population in households
## 2 *****
## 3 *****
## 4 *****
## 5 *****
## 6 *****
##
## HC03_VC26
## 1 Percent; RELATIONSHIP - Population in households
## 2 4713245
## 3 706026
## 4 6491160
## 5 2875876
## 6 37604610
##
## HC04_VC26
## 1 Percent Margin of Error; RELATIONSHIP - Population in households
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC01_VC27
## 1 Estimate; RELATIONSHIP - Population in households - Householder
## 2 1848325
## 3 250969
## 4 2412212
## 5 1138025
## 6 12717801
##
## HC02_VC27
## 1 Margin of Error; RELATIONSHIP - Population in households - Householder
## 2 5710
## 3 1362
## 4 7194
## 5 3839
## 6 18352
##
## HC03_VC27
## 1 Percent; RELATIONSHIP - Population in households - Householder
## 2 39.2
## 3 35.5
## 4 37.2
## 5 39.6
## 6 33.8
##
## HC04_VC27

```

```

## 1 Percent Margin of Error; RELATIONSHIP - Population in households - Householder
## 2
## 3
## 4
## 5
## 6
##
## HC01_VC28
## 1 Estimate; RELATIONSHIP - Population in households - Spouse
## 2
## 3
## 4
## 5
## 6
##
## HC02_VC28
## 1 Margin of Error; RELATIONSHIP - Population in households - Spouse
## 2
## 3
## 4
## 5
## 6
##
## HC03_VC28
## 1 Percent; RELATIONSHIP - Population in households - Spouse
## 2
## 3
## 4
## 5
## 6
##
## HC04_VC28
## 1 Percent Margin of Error; RELATIONSHIP - Population in households - Spouse
## 2
## 3
## 4
## 5
## 6
##
## HC01_VC29
## 1 Estimate; RELATIONSHIP - Population in households - Child
## 2
## 3
## 4
## 5
## 6
##
## HC02_VC29
## 1 Margin of Error; RELATIONSHIP - Population in households - Child
## 2
## 3
## 4
## 5
## 6
##
## HC03_VC29
## 1 Percent; RELATIONSHIP - Population in households - Child
## 2
## 3
## 4
## 5

```

## 6	32.1	
##		HC04_VC29
## 1	Percent Margin of Error; RELATIONSHIP - Population in households - Child	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC30
## 1	Estimate; RELATIONSHIP - Population in households - Other relatives	
## 2		358096
## 3		47511
## 4		531709
## 5		197218
## 6		3887460
##		HC02_VC30
## 1	Margin of Error; RELATIONSHIP - Population in households - Other relatives	
## 2		6267
## 3		1632
## 4		9675
## 5		4747
## 6		32817
##		HC03_VC30
## 1	Percent; RELATIONSHIP - Population in households - Other relatives	
## 2		7.6
## 3		6.7
## 4		8.2
## 5		6.9
## 6		10.3
##		HC04_VC30
## 1	Percent Margin of Error; RELATIONSHIP - Population in households - Other relatives	
## 2		0.1
## 3		0.2
## 4		0.1
## 5		0.2
## 6		0.1
##		HC01_VC31
## 1	Estimate; RELATIONSHIP - Population in households - Nonrelatives	
## 2		201664
## 3		52728
## 4		434944
## 5		140651
## 6		2680611
##		HC02_VC31
## 1	Margin of Error; RELATIONSHIP - Population in households - Nonrelatives	
## 2		4934
## 3		1772
## 4		6820
## 5		3849
## 6		26326
##		HC03_VC31
## 1	Percent; RELATIONSHIP - Population in households - Nonrelatives	
## 2		4.3
## 3		7.5

## 4	6.7	
## 5	4.9	
## 6	7.1	
##		HC04_VC31
## 1	Percent Margin of Error; RELATIONSHIP - Population in households - Nonrelatives	
## 2	0.1	
## 3	0.3	
## 4	0.1	
## 5	0.1	
## 6	0.1	
##		HC01_VC32
## 1	Estimate; RELATIONSHIP - Population in households - Nonrelatives - Unmarried partner	
## 2	70218	
## 3	20503	
## 4	173826	
## 5	55551	
## 6	871735	
##		HC02_VC32
## 1	Margin of Error; RELATIONSHIP - Population in households - Nonrelatives - Unmarried partner	
## 2	1799	
## 3	945	
## 4	2989	
## 5	1577	
## 6	5885	
##		HC03_VC32
## 1	Percent; RELATIONSHIP - Population in households - Nonrelatives - Unmarried partner	
## 2	1.5	
## 3	2.9	
## 4	2.7	
## 5	1.9	
## 6	2.3	
##		HC04_VC32
## 1	Percent Margin of Error; RELATIONSHIP - Population in households - Nonrelatives - Unmarried partner	
## 2	0.1	
## 3	0.1	
## 4	0.1	
## 5	0.1	
## 6	0.1	
##		HC01_VC36
## 1	Estimate; MARITAL STATUS - Males 15 years and over	
## 2	1872257	
## 3	303188	
## 4	2612798	
## 5	1150347	
## 6	15210523	
##		HC02_VC36
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over	
## 2	856	
## 3	346	
## 4	757	
## 5	910	
## 6	858	
##		HC03_VC36
## 1	Percent; MARITAL STATUS - Males 15 years and over	

## 2	1872257	
## 3	303188	
## 4	2612798	
## 5	1150347	
## 6	15210523	
##		HC04_VC36
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over	
## 2		(X)
## 3		(X)
## 4		(X)
## 5		(X)
## 6		(X)
##		HC01_VC37
## 1	Estimate; MARITAL STATUS - Males 15 years and over - Never married	
## 2		613105
## 3		117053
## 4		950858
## 5		351044
## 6		6108337
##		HC02_VC37
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over - Never married	
## 2		4229
## 3		1590
## 4		5684
## 5		2781
## 6		18967
##		HC03_VC37
## 1	Percent; MARITAL STATUS - Males 15 years and over - Never married	
## 2		32.7
## 3		38.6
## 4		36.4
## 5		30.5
## 6		40.2
##		HC04_VC37
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over - Never married	
## 2		0.2
## 3		0.5
## 4		0.2
## 5		0.2
## 6		0.1
##		HC01_VC38
## 1	Estimate; MARITAL STATUS - Males 15 years and over - Now married, except separated	
## 2		950508
## 3		143416
## 4		1268460
## 5		604553
## 6		7272004
##		HC02_VC38
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over - Now married, except separated	
## 2		5045
## 3		1915
## 4		8149
## 5		4280
## 6		25254

##		HC03_VC38
## 1	Percent; MARITAL STATUS - Males 15 years and over - Now married, except separated	
## 2		50.8
## 3		47.3
## 4		48.5
## 5		52.6
## 6		47.8
##		HC04_VC38
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over - Now married, except separated	
## 2		0.3
## 3		0.6
## 4		0.3
## 5		0.4
## 6		0.2
##		HC01_VC39
## 1	Estimate; MARITAL STATUS - Males 15 years and over - Separated	
## 2		38073
## 3		4743
## 4		42258
## 5		22319
## 6		282666
##		HC02_VC39
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over - Separated	
## 2		1358
## 3		450
## 4		1554
## 5		1233
## 6		4049
##		HC03_VC39
## 1	Percent; MARITAL STATUS - Males 15 years and over - Separated	
## 2		2.0
## 3		1.6
## 4		1.6
## 5		1.9
## 6		1.9
##		HC04_VC39
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over - Separated	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC40
## 1	Estimate; MARITAL STATUS - Males 15 years and over - Widowed	
## 2		57128
## 3		5611
## 4		67272
## 5		32721
## 6		324149
##		HC02_VC40
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over - Widowed	
## 2		1436
## 3		448
## 4		1591

## 5		1132
## 6		3849
##	HC03_VC40	
## 1	Percent; MARITAL STATUS - Males 15 years and over - Widowed	
## 2		3.1
## 3		1.9
## 4		2.6
## 5		2.8
## 6		2.1
##	HC04_VC40	
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over - Widowed	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##	HC01_VC41	
## 1	Estimate; MARITAL STATUS - Males 15 years and over - Divorced	
## 2		213443
## 3		32365
## 4		283950
## 5		139710
## 6		1223367
##	HC02_VC41	
## 1	Margin of Error; MARITAL STATUS - Males 15 years and over - Divorced	
## 2		3071
## 3		1116
## 4		3926
## 5		3114
## 6		9415
##	HC03_VC41	
## 1	Percent; MARITAL STATUS - Males 15 years and over - Divorced	
## 2		11.4
## 3		10.7
## 4		10.9
## 5		12.1
## 6		8.0
##	HC04_VC41	
## 1	Percent Margin of Error; MARITAL STATUS - Males 15 years and over - Divorced	
## 2		0.2
## 3		0.4
## 4		0.2
## 5		0.3
## 6		0.1
##	HC01_VC43	
## 1	Estimate; MARITAL STATUS - Females 15 years and over	
## 2		2039158
## 3		272724
## 4		2683166
## 5		1218296
## 6		15621099
##	HC02_VC43	
## 1	Margin of Error; MARITAL STATUS - Females 15 years and over	
## 2		677

## 3		344
## 4		754
## 5		708
## 6		702
##	HC03_VC43	
## 1	Percent; MARITAL STATUS - Females 15 years and over	
## 2		2039158
## 3		272724
## 4		2683166
## 5		1218296
## 6		15621099
##	HC04_VC43	
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over	
## 2		(X)
## 3		(X)
## 4		(X)
## 5		(X)
## 6		(X)
##	HC01_VC44	
## 1	Estimate; MARITAL STATUS - Females 15 years and over - Never married	
## 2		550811
## 3		80723
## 4		783689
## 5		292937
## 6		5157610
##	HC02_VC44	
## 1	Margin of Error; MARITAL STATUS - Females 15 years and over - Never married	
## 2		3611
## 3		1268
## 4		5088
## 5		2758
## 6		16092
##	HC03_VC44	
## 1	Percent; MARITAL STATUS - Females 15 years and over - Never married	
## 2		27.0
## 3		29.6
## 4		29.2
## 5		24.0
## 6		33.0
##	HC04_VC44	
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over - Never married	
## 2		0.2
## 3		0.5
## 4		0.2
## 5		0.2
## 6		0.1
##	HC01_VC45	
## 1	Estimate; MARITAL STATUS - Females 15 years and over - Now married, except separated	
## 2		933161
## 3		134898
## 4		1238617
## 5		592819
## 6		7065847
##	HC02_VC45	

## 1	Margin of Error; MARITAL STATUS - Females 15 years and over - Now married, except separated	
## 2		5040
## 3		1587
## 4		7982
## 5		4233
## 6		24171
##		HC03_VC45
## 1	Percent; MARITAL STATUS - Females 15 years and over - Now married, except separated	
## 2		45.8
## 3		49.5
## 4		46.2
## 5		48.7
## 6		45.2
##		HC04_VC45
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over - Now married, except separated	
## 2		0.5
## 3		0.6
## 4		0.5
## 5		0.5
## 6		0.5
##		HC01_VC46
## 1	Estimate; MARITAL STATUS - Females 15 years and over - Separated	
## 2		59843
## 3		5902
## 4		57460
## 5		32284
## 6		419634
##		HC02_VC46
## 1	Margin of Error; MARITAL STATUS - Females 15 years and over - Separated	
## 2		1750
## 3		463
## 4		1992
## 5		1228
## 6		5505
##		HC03_VC46
## 1	Percent; MARITAL STATUS - Females 15 years and over - Separated	
## 2		2.9
## 3		2.2
## 4		2.1
## 5		2.6
## 6		2.7
##		HC04_VC46
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over - Separated	
## 2		0.1
## 3		0.2
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC47
## 1	Estimate; MARITAL STATUS - Females 15 years and over - Widowed	
## 2		221378
## 3		15825
## 4		227474
## 5		130857

## 6	1235156	
##		HC02_VC47
## 1	Margin of Error; MARITAL STATUS - Females 15 years and over - Widowed	
## 2	2288	
## 3	566	
## 4	2838	
## 5	1997	
## 6	5788	
##		HC03_VC47
## 1	Percent; MARITAL STATUS - Females 15 years and over - Widowed	
## 2	10.9	
## 3	5.8	
## 4	8.5	
## 5	10.7	
## 6	7.9	
##		HC04_VC47
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over - Widowed	
## 2	0.1	
## 3	0.2	
## 4	0.1	
## 5	0.2	
## 6	0.1	
##		HC01_VC48
## 1	Estimate; MARITAL STATUS - Females 15 years and over - Divorced	
## 2	273965	
## 3	35376	
## 4	375926	
## 5	169399	
## 6	1742852	
##		HC02_VC48
## 1	Margin of Error; MARITAL STATUS - Females 15 years and over - Divorced	
## 2	3467	
## 3	1052	
## 4	4236	
## 5	2550	
## 6	10098	
##		HC03_VC48
## 1	Percent; MARITAL STATUS - Females 15 years and over - Divorced	
## 2	13.4	
## 3	13.0	
## 4	14.0	
## 5	13.9	
## 6	11.2	
##		HC04_VC48
## 1	Percent Margin of Error; MARITAL STATUS - Females 15 years and over - Divorced	
## 2	0.2	
## 3	0.4	
## 4	0.2	
## 5	0.2	
## 6	0.1	
##		HC01_VC52
## 1	Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months	
## 2	62458	
## 3	11086	

```

## 4 85255
## 5 39015
## 6 495659
## HC02_VC52
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2 11086
## 3 85255
## 4 39015
## 5 495659
## 6
## HC03_VC52
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2 62458
## 3 11086
## 4 85255
## 5 39015
## 6 495659
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Un
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Un
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Un

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```

## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Un
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Un
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Pe
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Pe
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past
## 2
## 3
## 4
## 5
## 6

```

```

##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - P
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 mon
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Pe
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the pas
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - P
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 mon
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Pe
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the pas
## 2
## 3
## 4

```

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## 5
## 6
##
## 1 Estimate; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - P
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 mon
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; FERTILITY - Number of women 15 to 50 years old who had a birth in the past 12 months - Pe
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; FERTILITY - Number of women 15 to 50 years old who had a birth in the pas
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2

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## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Gra
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Gran
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##

```



```

## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5

```

```

## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents living with own grandchildren under 18 years - Year
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents living with own grandchildren under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 y
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years
## 2
## 3

```

## 4	64681
## 5	38155
## 6	293980
##	
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren u	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Estimate; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years -	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 y	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Percent; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years - V	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren u	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Estimate; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years -	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 y	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Percent; GRANDPARENTS - Number of grandparents responsible for own grandchildren under 18 years - V	

```

## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; GRANDPARENTS - Number of grandparents responsible for own grandchildren u
## 2
## 3
## 4
## 5
## 6
##
##                                     HC01_VC76
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school
## 2                                     1206014
## 3                                     195151
## 4                                     1754549
## 5                                     750024
## 6                                     10579176
##
##                                     HC02_VC76
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school
## 2                                     4878
## 3                                     2102
## 4                                     5418
## 5                                     3036
## 6                                     17012
##
##                                     HC03_VC76
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school
## 2                                     1206014
## 3                                     195151
## 4                                     1754549
## 5                                     750024
## 6                                     10579176
##
##                                     HC04_VC76
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school
## 2                                     (X)
## 3                                     (X)
## 4                                     (X)
## 5                                     (X)
## 6                                     (X)
##
##                                     HC05_VC76
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Nursery school, pre
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Nursery schoo
## 2
## 3
## 4
## 5
## 6

```

```

##
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Nursery school, pres
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Nurs
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Kindergarten
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Kindergarten
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Kindergarten
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Kind
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Elementary school (
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Elementary s
## 2
## 3
## 4

```

```

## 5
## 6
##
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Elementary school (g
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Elem
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - High school (grades
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - High school
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - High school (grades
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - High
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - College or graduate
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - College or g
## 2

```

```

## 3
## 4
## 5
## 6
##
## 1 Percent; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - College or graduate s
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; SCHOOL ENROLLMENT - Population 3 years and over enrolled in school - Coll
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - Less than 9th grade
## 2
## 3
## 4
## 5
## 6
##

```

HC01_VC85

HC01_VC85

HC02_VC85

HC03_VC85

HC04_VC85

HC01_VC86

HC02_VC86

```

## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Less than 9th grade
## 2 3290
## 3 844
## 4 3777
## 5 2225
## 6 14010
##
## HC03_VC86
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - Less than 9th grade
## 2 5.2
## 3 2.9
## 4 6.2
## 5 5.7
## 6 10.0
##
## HC04_VC86
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Less than 9th grade
## 2 0
## 3 0
## 4 0
## 5 0
## 6 0
##
## HC01_VC87
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - 9th to 12th grade, no diploma
## 2 343006
## 3 22990
## 4 337830
## 5 188138
## 6 2067120
##
## HC02_VC87
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - 9th to 12th grade, no diploma
## 2 4
## 3 4
## 4 4
## 5 5
## 6 10
##
## HC03_VC87
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - 9th to 12th grade, no diploma
## 2 10.6
## 3 5.0
## 4 7.7
## 5 9.6
## 6 8.2
##
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - 9th to 12th grade
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - High school graduate (includes equivalent)
## 2
## 3
## 4
## 5

```



```

## 6
##
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - High school graduate (inc
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - High school graduate (includes eq
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - High school gradu
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - Some college, no degree
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Some college, no degree
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - Some college, no degree
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Some college, no
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - Associate's degree
## 2
## 3

```

HC01_VC89

711180

130983

1118715

440740

5516887

HC02_VC89

5980

1955

7969

3736

14643

HC03_VC89

22.0

28.2

25.7

22.5

21.8

HC04_VC89

HC01_VC90

251335

37719

## 4	370569
## 5	123526
## 6	1970322
##	HC02_VC90
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Associate's degree	
## 2	3971
## 3	1101
## 4	4688
## 5	2272
## 6	8978
##	HC03_VC90
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - Associate's degree	
## 2	7.8
## 3	8.1
## 4	8.5
## 5	6.3
## 6	7.8
##	HC04_VC90
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Associate's degree	
## 2	0.1
## 3	0.1
## 4	0.1
## 5	0.1
## 6	0.1
##	HC01_VC91
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree	
## 2	478812
## 3	83201
## 4	753425
## 5	267741
## 6	5002596
##	HC02_VC91
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree	
## 2	4908
## 3	1629
## 4	5723
## 5	3432
## 6	16971
##	HC03_VC91
## 1 Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree	
## 2	14.8
## 3	17.9
## 4	17.3
## 5	13.6
## 6	19.8
##	HC04_VC91
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree	
## 2	0.2
## 3	0.4
## 4	0.1
## 5	0.2
## 6	0.1
##	HC01_VC92
## 1 Estimate; EDUCATIONAL ATTAINMENT - Population 25 years and over - Graduate or professional degree	

## 2	282838
## 3	46720
## 4	445585
## 5	146358
## 6	2936588
##	HC03_VC92
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Graduate or professional degree	
## 2	8.7
## 3	10.1
## 4	10.2
## 5	7.5
## 6	11.6
##	
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Population 25 years and over - Graduate or professional degree	
## 2	
## 3	
## 4	
## 5	
## 6	
##	HC01_VC95
## 1 Estimate; EDUCATIONAL ATTAINMENT - Percent high school graduate or higher	
## 2	(X)
## 3	(X)
## 4	(X)
## 5	(X)
## 6	(X)
##	HC02_VC95
## 1 Margin of Error; EDUCATIONAL ATTAINMENT - Percent high school graduate or higher	
## 2	(X)
## 3	(X)
## 4	(X)
## 5	(X)
## 6	(X)
##	HC03_VC95
## 1 Percent; EDUCATIONAL ATTAINMENT - Percent high school graduate or higher	
## 2	84.3
## 3	92.1
## 4	86.0
## 5	84.8
## 6	81.8
##	HC04_VC95
## 1 Percent Margin of Error; EDUCATIONAL ATTAINMENT - Percent high school graduate or higher	
## 2	0.2
## 3	0.3
## 4	0.1
## 5	0.2
## 6	0.1

##		HC01_VC96
## 1	Estimate; EDUCATIONAL ATTAINMENT - Percent bachelor's degree or higher	
## 2		(X)
## 3		(X)
## 4		(X)
## 5		(X)
## 6		(X)
##		HC02_VC96
## 1	Margin of Error; EDUCATIONAL ATTAINMENT - Percent bachelor's degree or higher	
## 2		(X)
## 3		(X)
## 4		(X)
## 5		(X)
## 6		(X)
##		HC03_VC96
## 1	Percent; EDUCATIONAL ATTAINMENT - Percent bachelor's degree or higher	
## 2		23.5
## 3		28.0
## 4		27.5
## 5		21.1
## 6		31.4
##		HC04_VC96
## 1	Percent Margin of Error; EDUCATIONAL ATTAINMENT - Percent bachelor's degree or higher	
## 2		0.2
## 3		0.5
## 4		0.2
## 5		0.2
## 6		0.1
##		HC01_VC100
## 1	Estimate; VETERAN STATUS - Civilian population 18 years and over	
## 2		3705690
## 3		528564
## 4		5007440
## 5		2245625
## 6		29115176
##		HC02_VC100
## 1	Margin of Error; VETERAN STATUS - Civilian population 18 years and over	
## 2		945
## 3		751
## 4		1004
## 5		710
## 6		2456
##		HC03_VC100
## 1	Percent; VETERAN STATUS - Civilian population 18 years and over	
## 2		3705690
## 3		528564
## 4		5007440
## 5		2245625
## 6		29115176
##		HC04_VC100
## 1	Percent Margin of Error; VETERAN STATUS - Civilian population 18 years and over	
## 2		(X)
## 3		(X)
## 4		(X)

```

## 5 (X)
## 6 (X)
## HC01_VC101
## 1 Estimate; VETERAN STATUS - Civilian population 18 years and over - Civilian veterans
## 2 363170
## 3 69323
## 4 505794
## 5 220953
## 6 1777410
## HC02_VC101
## 1 Margin of Error; VETERAN STATUS - Civilian population 18 years and over - Civilian veterans
## 2 4137
## 3 1420
## 4 4104
## 5 2322
## 6 8158
## HC03_VC101
## 1 Percent; VETERAN STATUS - Civilian population 18 years and over - Civilian veterans
## 2 9.8
## 3 13.1
## 4 10.1
## 5 9.8
## 6 6.1
## HC04_VC101
## 1 Percent Margin of Error; VETERAN STATUS - Civilian population 18 years and over - Civilian veterans
## 2 0.
## 3 0.
## 4 0.
## 5 0.
## 6 0.
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Nonin
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Nonins
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total
## 2

```

```

## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Nonin
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Nonins
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years
## 2
## 3
## 4
## 5
## 6
##

```

```

## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under 18 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Under
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years
## 2
## 3
## 4
## 5

```

HC01_VC111

2940219

457091

3910423

1762305

24052189

HC02_VC111

111

86

116

90

267

HC03_VC111

2940219

457091

3910423

1762305

```

## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 18 to 64 years - With
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over
## 2
## 3

```

24052189

HC01_VC114

HC01_VC114

699556

64600

1007870

437397

4701262

HC02_VC114

HC03_VC114

699556

64600


```

## 4 1007870
## 5 437397
## 6 4701262
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over - W
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over - W
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over - W
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over - W
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - 65 years and over - W
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over
## 2 4774581
## 3 722626
## 4 6561299
## 5 2922860
## 6 37957173
##
## 1 Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over
## 2 1541
## 3 573
## 4 1552
## 5 1294
## 6 4623
##
## 1 Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over

```

## 2	4774581	
## 3	722626	
## 4	6561299	
## 5	2922860	
## 6	37957173	
##		HC04_VC119
## 1	Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over	
## 2		(X)
## 3		(X)
## 4		(X)
## 5		(X)
## 6		(X)
##		HC01_VC120
## 1	Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Same house	
## 2	4070606	
## 3	584727	
## 4	5337286	
## 5	2453121	
## 6	32343992	
##		HC02_VC120
## 1	Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Same house	
## 2	11435	
## 3	3784	
## 4	11564	
## 5	8293	
## 6	30295	
##		HC03_VC120
## 1	Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Same house	
## 2	85.3	
## 3	80.9	
## 4	81.3	
## 5	83.9	
## 6	85.2	
##		HC04_VC120
## 1	Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Same house	
## 2	0.2	
## 3	0.5	
## 4	0.2	
## 5	0.3	
## 6	0.1	
##		HC01_VC121
## 1	Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S.	
## 2	689289	
## 3	132841	
## 4	1179130	
## 5	460495	
## 6	5321731	
##		HC02_VC121
## 1	Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S.	
## 2	10997	
## 3	3724	
## 4	11845	
## 5	8402	
## 6	29570	

##		HC03_VC121
## 1	Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S.	
## 2		14.4
## 3		18.4
## 4		18.0
## 5		15.8
## 6		14.0
##		
## 1	Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S.	HC04_
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Same co	HC01_
## 2		42
## 3		7
## 4		83
## 5		28
## 6		370
##		
## 1	Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. -	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Same co	HC03_VC
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S.	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differ	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. -	
## 2		
## 3		
## 4		

```

## 5
## 6
##
## 1 Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differen
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differ
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. -
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differ
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differ
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. -
## 2

```

```

## 3
## 4
## 5
## 6
##
## 1 Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in the U.S. - Differen
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Different house in th
## 2
## 3
## 4
## 5
## 6
##
##                                     HC01_VC126
## 1 Estimate; RESIDENCE 1 YEAR AGO - Population 1 year and over - Abroad
## 2                                     14686
## 3                                     5058
## 4                                     44883
## 5                                     9244
## 6                                     291450
##
##                                     HC02_VC126
## 1 Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Abroad
## 2                                     1232
## 3                                     643
## 4                                     2236
## 5                                     896
## 6                                     5645
##
##                                     HC03_VC126
## 1 Percent; RESIDENCE 1 YEAR AGO - Population 1 year and over - Abroad
## 2                                     0.3
## 3                                     0.7
## 4                                     0.7
## 5                                     0.3
## 6                                     0.8
##
##                                     HC04_VC126
## 1 Percent Margin of Error; RESIDENCE 1 YEAR AGO - Population 1 year and over - Abroad
## 2                                     0.1
## 3                                     0.1
## 4                                     0.1
## 5                                     0.1
## 6                                     0.1
##
##                                     HC01_VC130
## 1 Estimate; PLACE OF BIRTH - Total population
## 2                                     4830620
## 3                                     733375
## 4                                     6641928
## 5                                     2958208
## 6                                     38421464
##
##                                     HC02_VC130

```

```

## 1 Margin of Error; PLACE OF BIRTH - Total population
## 2 *****
## 3 *****
## 4 *****
## 5 *****
## 6 *****
##
## HC03_VC130
## 1 Percent; PLACE OF BIRTH - Total population
## 2 4830620
## 3 733375
## 4 6641928
## 5 2958208
## 6 38421464
##
## HC04_VC130
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## HC01_VC131
## 1 Estimate; PLACE OF BIRTH - Total population - Native
## 2 4663396
## 3 679328
## 4 5745924
## 5 2819386
## 6 28031378
##
## HC02_VC131
## 1 Margin of Error; PLACE OF BIRTH - Total population - Native
## 2 3427
## 3 1625
## 4 8290
## 5 2381
## 6 29072
##
## HC03_VC131
## 1 Percent; PLACE OF BIRTH - Total population - Native
## 2 96.5
## 3 92.6
## 4 86.5
## 5 95.3
## 6 73.0
##
## HC04_VC131
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population - Native
## 2 0.1
## 3 0.2
## 4 0.1
## 5 0.1
## 6 0.1
##
## HC01_VC132
## 1 Estimate; PLACE OF BIRTH - Total population - Native - Born in United States
## 2 4624413
## 3 662990
## 4 5659706
## 5 2799428

```

## 6	27550897
##	HC02_VC132
## 1 Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States	
## 2	3281
## 3	1860
## 4	8184
## 5	2489
## 6	27244
##	HC03_VC132
## 1 Percent; PLACE OF BIRTH - Total population - Native - Born in United States	
## 2	95.7
## 3	90.4
## 4	85.2
## 5	94.6
## 6	71.7
##	HC04_VC132
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States	
## 2	0.1
## 3	0.3
## 4	0.1
## 5	0.1
## 6	0.1
##	HC01_VC133
## 1 Estimate; PLACE OF BIRTH - Total population - Native - Born in United States - State of residence	
## 2	3382380
## 3	301169
## 4	2571048
## 5	1817491
## 6	21001172
##	HC02_VC133
## 1 Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States - State of residence	
## 2	
## 3	
## 4	
## 5	
## 6	
##	HC03_VC133
## 1 Percent; PLACE OF BIRTH - Total population - Native - Born in United States - State of residence	
## 2	70.0
## 3	41.1
## 4	38.7
## 5	61.4
## 6	54.7
##	
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States - State of residence	
## 2	
## 3	
## 4	
## 5	
## 6	
##	HC01_VC134
## 1 Estimate; PLACE OF BIRTH - Total population - Native - Born in United States - Different state	
## 2	1242033
## 3	361821

## 4	3088658
## 5	981937
## 6	6549725
##	HC02_VC134
## 1 Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States - Different state	
## 2	99.0
## 3	28.0
## 4	12.0
## 5	5.0
## 6	19.0
##	HC03_VC134
## 1 Percent; PLACE OF BIRTH - Total population - Native - Born in United States - Different state	
## 2	25.7
## 3	49.3
## 4	46.5
## 5	33.2
## 6	17.0
##	
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population - Native - Born in United States - Different state	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Estimate; PLACE OF BIRTH - Total population - Native - Born in Puerto Rico, U.S. Island areas, or born elsewhere	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Margin of Error; PLACE OF BIRTH - Total population - Native - Born in Puerto Rico, U.S. Island areas, or born elsewhere	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Percent; PLACE OF BIRTH - Total population - Native - Born in Puerto Rico, U.S. Island areas, or born elsewhere	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
## 1 Percent Margin of Error; PLACE OF BIRTH - Total population - Native - Born in Puerto Rico, U.S. Island areas, or born elsewhere	
## 2	
## 3	
## 4	
## 5	
## 6	
##	
##	HC01_VC136
## 1 Estimate; PLACE OF BIRTH - Total population - Foreign born	

## 2	167224
## 3	54047
## 4	896004
## 5	138822
## 6	10390086
##	HC02_VC136
## 1	Margin of Error; PLACE OF BIRTH - Total population - Foreign born
## 2	3427
## 3	1626
## 4	8290
## 5	2381
## 6	29072
##	HC03_VC136
## 1	Percent; PLACE OF BIRTH - Total population - Foreign born
## 2	3.5
## 3	7.4
## 4	13.5
## 5	4.7
## 6	27.0
##	HC04_VC136
## 1	Percent Margin of Error; PLACE OF BIRTH - Total population - Foreign born
## 2	0.1
## 3	0.2
## 4	0.1
## 5	0.1
## 6	0.1
##	HC01_VC140
## 1	Estimate; U.S. CITIZENSHIP STATUS - Foreign-born population
## 2	167224
## 3	54047
## 4	896004
## 5	138822
## 6	10390086
##	HC02_VC140
## 1	Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population
## 2	3427
## 3	1626
## 4	8290
## 5	2381
## 6	29072
##	HC03_VC140
## 1	Percent; U.S. CITIZENSHIP STATUS - Foreign-born population
## 2	167224
## 3	54047
## 4	896004
## 5	138822
## 6	10390086
##	HC04_VC140
## 1	Percent Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population
## 2	(X)
## 3	(X)
## 4	(X)
## 5	(X)
## 6	(X)

##	HC01_VC141
## 1 Estimate; U.S. CITIZENSHIP STATUS - Foreign-born population - Naturalized U.S. citizen	
## 2	58697
## 3	29717
## 4	354181
## 5	42878
## 6	5042643
##	HC02_VC141
## 1 Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population - Naturalized U.S. citizen	
## 2	2096
## 3	1264
## 4	5076
## 5	1571
## 6	15484
##	HC03_VC141
## 1 Percent; U.S. CITIZENSHIP STATUS - Foreign-born population - Naturalized U.S. citizen	
## 2	35.1
## 3	55.0
## 4	39.5
## 5	30.9
## 6	48.5
##	HC04_VC141
## 1 Percent Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population - Naturalized U.S. citizen	
## 2	
## 3	
## 4	
## 5	
## 6	
##	HC01_VC142
## 1 Estimate; U.S. CITIZENSHIP STATUS - Foreign-born population - Not a U.S. citizen	
## 2	108527
## 3	24330
## 4	541823
## 5	95944
## 6	5347443
##	HC02_VC142
## 1 Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population - Not a U.S. citizen	
## 2	2839
## 3	1397
## 4	7446
## 5	2596
## 6	30597
##	HC03_VC142
## 1 Percent; U.S. CITIZENSHIP STATUS - Foreign-born population - Not a U.S. citizen	
## 2	64.9
## 3	45.0
## 4	60.5
## 5	69.1
## 6	51.5
##	HC04_VC142
## 1 Percent Margin of Error; U.S. CITIZENSHIP STATUS - Foreign-born population - Not a U.S. citizen	
## 2	1.0
## 3	2.0
## 4	0.5

## 5		1.2
## 6		0.2
##	HC01_VC146	
## 1	Estimate; YEAR OF ENTRY - Population born outside the United States	
## 2	206207	
## 3	70385	
## 4	982222	
## 5	158780	
## 6	10870567	
##	HC02_VC146	
## 1	Margin of Error; YEAR OF ENTRY - Population born outside the United States	
## 2	3281	
## 3	1861	
## 4	8184	
## 5	2489	
## 6	27244	
##	HC03_VC146	
## 1	Percent; YEAR OF ENTRY - Population born outside the United States	
## 2	206207	
## 3	70385	
## 4	982222	
## 5	158780	
## 6	10870567	
##	HC04_VC146	
## 1	Percent Margin of Error; YEAR OF ENTRY - Population born outside the United States	
## 2	(X)	
## 3	(X)	
## 4	(X)	
## 5	(X)	
## 6	(X)	
##	HC01_VC149	HC02_VC149
## 1	Estimate; YEAR OF ENTRY - Native	Margin of Error; YEAR OF ENTRY - Native
## 2	38983	1416
## 3	16338	966
## 4	86218	2643
## 5	19958	1296
## 6	480481	5788
##	HC03_VC149	
## 1	Percent; YEAR OF ENTRY - Native	
## 2	38983	
## 3	16338	
## 4	86218	
## 5	19958	
## 6	480481	
##	HC04_VC149	
## 1	Percent Margin of Error; YEAR OF ENTRY - Native	
## 2	(X)	
## 3	(X)	
## 4	(X)	
## 5	(X)	
## 6	(X)	
##	HC01_VC150	
## 1	Estimate; YEAR OF ENTRY - Native - Entered 2010 or later	
## 2	2716	

## 3	1429
## 4	6508
## 5	2016
## 6	46728
##	HC02_VC150
## 1	Margin of Error; YEAR OF ENTRY - Native - Entered 2010 or later
## 2	468
## 3	285
## 4	721
## 5	411
## 6	1867
##	HC03_VC150
## 1	Percent; YEAR OF ENTRY - Native - Entered 2010 or later
## 2	7.0
## 3	8.7
## 4	7.5
## 5	10.1
## 6	9.7
##	HC04_VC150
## 1	Percent Margin of Error; YEAR OF ENTRY - Native - Entered 2010 or later
## 2	1.1
## 3	1.7
## 4	0.8
## 5	1.9
## 6	0.3
##	HC01_VC151
## 1	Estimate; YEAR OF ENTRY - Native - Entered before 2010
## 2	36267
## 3	14909
## 4	79710
## 5	17942
## 6	433753
##	HC02_VC151
## 1	Margin of Error; YEAR OF ENTRY - Native - Entered before 2010
## 2	1242
## 3	931
## 4	2566
## 5	1170
## 6	5200
##	HC03_VC151
## 1	Percent; YEAR OF ENTRY - Native - Entered before 2010
## 2	93.0
## 3	91.3
## 4	92.5
## 5	89.9
## 6	90.3
##	HC04_VC151
## 1	Percent Margin of Error; YEAR OF ENTRY - Native - Entered before 2010
## 2	1.1
## 3	1.7
## 4	0.8
## 5	1.9
## 6	0.3
##	HC01_VC154

```

## 1 Estimate; YEAR OF ENTRY - Foreign born
## 2          167224
## 3          54047
## 4          896004
## 5          138822
## 6          10390086
##          HC02_VC154
## 1 Margin of Error; YEAR OF ENTRY - Foreign born
## 2          3427
## 3          1626
## 4          8290
## 5          2381
## 6          29072
##          HC03_VC154
## 1 Percent; YEAR OF ENTRY - Foreign born
## 2          167224
## 3          54047
## 4          896004
## 5          138822
## 6          10390086
##          HC04_VC154
## 1 Percent Margin of Error; YEAR OF ENTRY - Foreign born
## 2          (X)
## 3          (X)
## 4          (X)
## 5          (X)
## 6          (X)
##          HC01_VC155
## 1 Estimate; YEAR OF ENTRY - Foreign born - Entered 2010 or later
## 2          22402
## 3          6266
## 4          84055
## 5          17126
## 6          706134
##          HC02_VC155
## 1 Margin of Error; YEAR OF ENTRY - Foreign born - Entered 2010 or later
## 2          1479
## 3          951
## 4          2894
## 5          1313
## 6          9283
##          HC03_VC155
## 1 Percent; YEAR OF ENTRY - Foreign born - Entered 2010 or later
## 2          13.4
## 3          11.6
## 4          9.4
## 5          12.3
## 6          6.8
##          HC04_VC155
## 1 Percent Margin of Error; YEAR OF ENTRY - Foreign born - Entered 2010 or later
## 2          0.8
## 3          1.7
## 4          0.3
## 5          0.9

```

## 6		0.1
##	HC01_VC156	
## 1	Estimate; YEAR OF ENTRY - Foreign born - Entered before 2010	
## 2	144822	
## 3	47781	
## 4	811949	
## 5	121696	
## 6	9683952	
##	HC02_VC156	
## 1	Margin of Error; YEAR OF ENTRY - Foreign born - Entered before 2010	
## 2	2973	
## 3	1582	
## 4	7860	
## 5	2151	
## 6	26941	
##	HC03_VC156	
## 1	Percent; YEAR OF ENTRY - Foreign born - Entered before 2010	
## 2	86.6	
## 3	88.4	
## 4	90.6	
## 5	87.7	
## 6	93.2	
##	HC04_VC156	
## 1	Percent Margin of Error; YEAR OF ENTRY - Foreign born - Entered before 2010	
## 2	0.8	
## 3	1.7	
## 4	0.3	
## 5	0.9	
## 6	0.1	
##		
## 1	Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born	
## 2		
## 3		
## 4		
## 5		
## 6		
##		
## 1	Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding	
## 2		
## 3		

```

## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding

```

```

## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population born
## 2
## 3
## 4
## 5
## 6

```



```

##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population bo
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population bo
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population bo
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding popula
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding population bo
## 2
## 3
## 4

```

```

## 5
## 6
##
## 1 Percent Margin of Error; WORLD REGION OF BIRTH OF FOREIGN BORN - Foreign-born population, excluding
## 2
## 3
## 4
## 5
## 6
##
##                                     HC01_VC170
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over
## 2                                     4535566
## 3                                     678422
## 4                                     6208093
## 5                                     2766428
## 6                                     35909688
##
##                                     HC02_VC170
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over
## 2                                     766
## 3                                     162
## 4                                     280
## 5                                     501
## 6                                     505
##
##                                     HC03_VC170
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over
## 2                                     4535566
## 3                                     678422
## 4                                     6208093
## 5                                     2766428
## 6                                     35909688
##
##                                     HC04_VC170
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over
## 2                                     (X)
## 3                                     (X)
## 4                                     (X)
## 5                                     (X)
## 6                                     (X)
##
##                                     HC01_VC171
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - English only
## 2                                     4300026
## 3                                     568544
## 4                                     4536673
## 5                                     2566546
## 6                                     20142054
##
##                                     HC02_VC171
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - English only
## 2                                     3027
## 3                                     2205
## 4                                     8777
## 5                                     3411
## 6                                     38737
##
##                                     HC03_VC171
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - English only
## 2                                     94.8

```

## 3	83.8	
## 4	73.1	
## 5	92.8	
## 6	56.1	
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - English only	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC172
## 1	Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		235540
## 3		109878
## 4		1671420
## 5		199882
## 6		15767634
##		HC02_VC171
## 1	Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		30.1
## 3		22.1
## 4		87.1
## 5		34.1
## 6		386.1
##		HC03_VC172
## 1	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		5.2
## 3		16.2
## 4		26.9
## 5		7.2
## 6		43.9
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC172
## 1	Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		235540
## 3		109878
## 4		1671420
## 5		199882
## 6		15767634
##		HC02_VC171
## 1	Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		30.1
## 3		22.1
## 4		87.1
## 5		34.1
## 6		386.1
##		HC03_VC172
## 1	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		5.2
## 3		16.2
## 4		26.9
## 5		7.2
## 6		43.9
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC172
## 1	Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		235540
## 3		109878
## 4		1671420
## 5		199882
## 6		15767634
##		HC02_VC171
## 1	Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		30.1
## 3		22.1
## 4		87.1
## 5		34.1
## 6		386.1
##		HC03_VC172
## 1	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		5.2
## 3		16.2
## 4		26.9
## 5		7.2
## 6		43.9
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC172
## 1	Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		235540
## 3		109878
## 4		1671420
## 5		199882
## 6		15767634
##		HC02_VC171
## 1	Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		30.1
## 3		22.1
## 4		87.1
## 5		34.1
## 6		386.1
##		HC03_VC172
## 1	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		5.2
## 3		16.2
## 4		26.9
## 5		7.2
## 6		43.9
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		0.1
## 3		0.3
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC172
## 1	Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		235540
## 3		109878
## 4		1671420
## 5		199882
## 6		15767634
##		HC02_VC171
## 1	Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		30.1
## 3		22.1
## 4		87.1
## 5		34.1
## 6		386.1
##		HC03_VC172
## 1	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		5.2
## 3		16.2
## 4		26.9
## 5		7.2
## 6		43.9
##		HC04_VC171
## 1	Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English	
## 2		0.1

```

## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Spe
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other tha
## 2
## 3
## 4
## 5
## 6
##
##                                     HC01_VC174
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish
## 2                                     150337
## 3                                     23555
## 4                                     1272191
## 5                                     144270
## 6                                     10329154
##
##                                     HC02_VC174
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish
## 2                                     2600
## 3                                     1257
## 4                                     8028
## 5                                     2744
## 6                                     26828
##
##                                     HC03_VC174
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish
## 2                                     3.3
## 3                                     3.5
## 4                                     20.5
## 5                                     5.2
## 6                                     28.8
##
##                                     HC04_VC174
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish
## 2                                     0.1
## 3                                     0.2
## 4                                     0.1
## 5                                     0.1
## 6                                     0.1
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish - Speak English less than
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish - Speak English 1
## 2
## 3
## 4
## 5

```

```

## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish - Speak English less than
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Spanish - Speak E
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European langua
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European languages -
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European langua
## 2
## 3

```

```

## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European languages - S
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other Indo-European
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander langua
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander langua
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander langua
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander

```

```

## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific Islander language
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Asian and Pacific
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages
## 2
## 3
## 4
## 5
## 6
##
## 1 Estimate; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages - Speak English
## 2
## 3
## 4
## 5
## 6

```

```

##
## 1 Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages - Speak E
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages - Speak English 1
## 2
## 3
## 4
## 5
## 6
##
## 1 Percent Margin of Error; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Other languages -
## 2
## 3
## 4
## 5
## 6
##
##              HC01_VC185
## 1 Estimate; ANCESTRY - Total population
## 2              4830620
## 3              733375
## 4              6641928
## 5              2958208
## 6              38421464
##
##              HC02_VC185
## 1 Margin of Error; ANCESTRY - Total population
## 2              *****
## 3              *****
## 4              *****
## 5              *****
## 6              *****
##
##              HC03_VC185
## 1 Percent; ANCESTRY - Total population
## 2              4830620
## 3              733375
## 4              6641928
## 5              2958208
## 6              38421464
##
##              HC04_VC185
## 1 Percent Margin of Error; ANCESTRY - Total population
## 2              (X)
## 3              (X)
## 4              (X)
## 5              (X)
## 6              (X)
##
##              HC01_VC186
## 1 Estimate; ANCESTRY - Total population - American
## 2              771044
## 3              33676
## 4              341516

```



```

## 5          339595
## 6          1296461
##          HC02_VC186
## 1 Margin of Error; ANCESTRY - Total population - American
## 2          9458
## 3          1774
## 4          6872
## 5          6423
## 6          11304
##          HC03_VC186
## 1 Percent; ANCESTRY - Total population - American
## 2          16.0
## 3          4.6
## 4          5.1
## 5          11.5
## 6          3.4
##          HC04_VC186
## 1 Percent Margin of Error; ANCESTRY - Total population - American
## 2          0.2
## 3          0.2
## 4          0.1
## 5          0.2
## 6          0.1
##          HC01_VC187
## 1 Estimate; ANCESTRY - Total population - Arab
## 2          10757
## 3          1161
## 4          34091
## 5          5466
## 6          287543
##          HC02_VC187
## 1 Margin of Error; ANCESTRY - Total population - Arab
## 2          1385
## 3          299
## 4          2559
## 5          948
## 6          8092
##          HC03_VC187
## 1 Percent; ANCESTRY - Total population - Arab
## 2          0.2
## 3          0.2
## 4          0.5
## 5          0.2
## 6          0.7
##          HC04_VC187
## 1 Percent Margin of Error; ANCESTRY - Total population - Arab
## 2          0.1
## 3          0.1
## 4          0.1
## 5          0.1
## 6          0.1
##          HC01_VC188
## 1 Estimate; ANCESTRY - Total population - Czech
## 2          4182

```

```

## 3 3883
## 4 27153
## 5 7184
## 6 84854
## HC02_VC188
## 1 Margin of Error; ANCESTRY - Total population - Czech
## 2 566
## 3 564
## 4 1395
## 5 976
## 6 2137
## HC03_VC188
## 1 Percent; ANCESTRY - Total population - Czech
## 2 0.1
## 3 0.5
## 4 0.4
## 5 0.2
## 6 0.2
## HC04_VC188
## 1 Percent Margin of Error; ANCESTRY - Total population - Czech
## 2 0.1
## 3 0.1
## 4 0.1
## 5 0.1
## 6 0.1
## HC01_VC189
## 1 Estimate; ANCESTRY - Total population - Danish
## 2 4788
## 3 5627
## 4 42135
## 5 5517
## 6 173741
## HC02_VC189
## 1 Margin of Error; ANCESTRY - Total population - Danish
## 2 640
## 3 676
## 4 2011
## 5 692
## 6 3871
## HC03_VC189
## 1 Percent; ANCESTRY - Total population - Danish
## 2 0.1
## 3 0.8
## 4 0.6
## 5 0.2
## 6 0.5
## HC04_VC189
## 1 Percent Margin of Error; ANCESTRY - Total population - Danish
## 2 0.1
## 3 0.1
## 4 0.1
## 5 0.1
## 6 0.1
## HC01_VC190

```

```

## 1 Estimate; ANCESTRY - Total population - Dutch
## 2                                42000
## 3                                12081
## 4                                88857
## 5                                40781
## 6                                367175
##                                HC02_VC190
## 1 Margin of Error; ANCESTRY - Total population - Dutch
## 2                                1747
## 3                                942
## 4                                2540
## 5                                2131
## 6                                6484
##                                HC03_VC190
## 1 Percent; ANCESTRY - Total population - Dutch
## 2                                0.9
## 3                                1.6
## 4                                1.3
## 5                                1.4
## 6                                1.0
##                                HC04_VC190
## 1 Percent Margin of Error; ANCESTRY - Total population - Dutch
## 2                                0.1
## 3                                0.1
## 4                                0.1
## 5                                0.1
## 6                                0.1
##                                HC01_VC191
## 1 Estimate; ANCESTRY - Total population - English
## 2                                384500
## 3                                59717
## 4                                564224
## 5                                281975
## 6                                2209428
##                                HC02_VC191
## 1 Margin of Error; ANCESTRY - Total population - English
## 2                                6655
## 3                                2085
## 4                                7256
## 5                                5442
## 6                                15035
##                                HC03_VC191
## 1 Percent; ANCESTRY - Total population - English
## 2                                8.0
## 3                                8.1
## 4                                8.5
## 5                                9.5
## 6                                5.8
##                                HC04_VC191
## 1 Percent Margin of Error; ANCESTRY - Total population - English
## 2                                0.1
## 3                                0.3
## 4                                0.1
## 5                                0.2

```

##	6	0.1
##		HC01_VC192
##	1	Estimate; ANCESTRY - Total population - French (except Basque)
##	2	75615
##	3	19537
##	4	161910
##	5	57112
##	6	698528
##		HC02_VC192
##	1	Margin of Error; ANCESTRY - Total population - French (except Basque)
##	2	2714
##	3	1201
##	4	3455
##	5	2361
##	6	7777
##		HC03_VC192
##	1	Percent; ANCESTRY - Total population - French (except Basque)
##	2	1.6
##	3	2.7
##	4	2.4
##	5	1.9
##	6	1.8
##		HC04_VC192
##	1	Percent Margin of Error; ANCESTRY - Total population - French (except Basque)
##	2	0.1
##	3	0.2
##	4	0.1
##	5	0.1
##	6	0.1
##		HC01_VC193
##	1	Estimate; ANCESTRY - Total population - French Canadian
##	2	8467
##	3	5876
##	4	32071
##	5	6356
##	6	108708
##		HC02_VC193
##	1	Margin of Error; ANCESTRY - Total population - French Canadian
##	2	838
##	3	688
##	4	1644
##	5	654
##	6	3055
##		HC03_VC193
##	1	Percent; ANCESTRY - Total population - French Canadian
##	2	0.2
##	3	0.8
##	4	0.5
##	5	0.2
##	6	0.3
##		HC04_VC193
##	1	Percent Margin of Error; ANCESTRY - Total population - French Canadian
##	2	0.1
##	3	0.1

## 4		0.1
## 5		0.1
## 6		0.1
##	HC01_VC194	
## 1	Estimate; ANCESTRY - Total population - German	
## 2	338453	
## 3	120516	
## 4	931486	
## 5	322003	
## 6	3192010	
##	HC02_VC194	
## 1	Margin of Error; ANCESTRY - Total population - German	
## 2	6156	
## 3	2853	
## 4	7977	
## 5	5124	
## 6	14335	
##	HC03_VC194	
## 1	Percent; ANCESTRY - Total population - German	
## 2	7.0	
## 3	16.4	
## 4	14.0	
## 5	10.9	
## 6	8.3	
##	HC04_VC194	
## 1	Percent Margin of Error; ANCESTRY - Total population - German	
## 2	0.1	
## 3	0.4	
## 4	0.1	
## 5	0.2	
## 6	0.1	
##	HC01_VC195	
## 1	Estimate; ANCESTRY - Total population - Greek	
## 2	8081	
## 3	2129	
## 4	21742	
## 5	3082	
## 6	133680	
##	HC02_VC195	
## 1	Margin of Error; ANCESTRY - Total population - Greek	
## 2	1122	
## 3	429	
## 4	1343	
## 5	551	
## 6	4135	
##	HC03_VC195	
## 1	Percent; ANCESTRY - Total population - Greek	
## 2	0.2	
## 3	0.3	
## 4	0.3	
## 5	0.1	
## 6	0.3	
##	HC04_VC195	
## 1	Percent Margin of Error; ANCESTRY - Total population - Greek	

##	2		0.1
##	3		0.1
##	4		0.1
##	5		0.1
##	6		0.1
##		HC01_VC196	
##	1	Estimate; ANCESTRY - Total population - Hungarian	
##	2		5183
##	3		2747
##	4		27539
##	5		2845
##	6		120936
##		HC02_VC196	
##	1	Margin of Error; ANCESTRY - Total population - Hungarian	
##	2		728
##	3		558
##	4		1375
##	5		475
##	6		3500
##		HC03_VC196	
##	1	Percent; ANCESTRY - Total population - Hungarian	
##	2		0.1
##	3		0.4
##	4		0.4
##	5		0.1
##	6		0.3
##		HC04_VC196	
##	1	Percent Margin of Error; ANCESTRY - Total population - Hungarian	
##	2		0.1
##	3		0.1
##	4		0.1
##	5		0.1
##	6		0.1
##		HC01_VC197	
##	1	Estimate; ANCESTRY - Total population - Irish	
##	2		434421
##	3		74757
##	4		617390
##	5		324464
##	6		2525617
##		HC02_VC197	
##	1	Margin of Error; ANCESTRY - Total population - Irish	
##	2		7203
##	3		2426
##	4		7197
##	5		4987
##	6		14483
##		HC03_VC197	
##	1	Percent; ANCESTRY - Total population - Irish	
##	2		9.0
##	3		10.2
##	4		9.3
##	5		11.0
##	6		6.6

```

##                                     HC04_VC197
## 1 Percent Margin of Error; ANCESTRY - Total population - Irish
## 2                                     0.1
## 3                                     0.3
## 4                                     0.1
## 5                                     0.2
## 6                                     0.1
##                                     HC01_VC198
## 1 Estimate; ANCESTRY - Total population - Italian
## 2                                     82100
## 3                                     21059
## 4                                     287939
## 5                                     47287
## 6                                     1502654
##                                     HC02_VC198
## 1 Margin of Error; ANCESTRY - Total population - Italian
## 2                                     2856
## 3                                     1368
## 4                                     5299
## 5                                     2286
## 6                                     11430
##                                     HC03_VC198
## 1 Percent; ANCESTRY - Total population - Italian
## 2                                     1.7
## 3                                     2.9
## 4                                     4.3
## 5                                     1.6
## 6                                     3.9
##                                     HC04_VC198
## 1 Percent Margin of Error; ANCESTRY - Total population - Italian
## 2                                     0.1
## 3                                     0.2
## 4                                     0.1
## 5                                     0.1
## 6                                     0.1
##                                     HC01_VC199
## 1 Estimate; ANCESTRY - Total population - Lithuanian
## 2                                     2091
## 3                                     1048
## 4                                     11413
## 5                                     1676
## 6                                     49676
##                                     HC02_VC199
## 1 Margin of Error; ANCESTRY - Total population - Lithuanian
## 2                                     393
## 3                                     282
## 4                                     897
## 5                                     295
## 6                                     2109
##                                     HC03_VC199
## 1 Percent; ANCESTRY - Total population - Lithuanian
## 2                                     0.0
## 3                                     0.1
## 4                                     0.2

```

```

## 5                                0.1
## 6                                0.1
##                                HC04_VC199
## 1 Percent Margin of Error; ANCESTRY - Total population - Lithuanian
## 2                                0.1
## 3                                0.1
## 4                                0.1
## 5                                0.1
## 6                                0.1
##                                HC01_VC200
## 1 Estimate; ANCESTRY - Total population - Norwegian
## 2                                15485
## 3                                27505
## 4                                115761
## 5                                13693
## 6                                389222
##                                HC02_VC200
## 1 Margin of Error; ANCESTRY - Total population - Norwegian
## 2                                1216
## 3                                1548
## 4                                3800
## 5                                948
## 6                                6400
##                                HC03_VC200
## 1 Percent; ANCESTRY - Total population - Norwegian
## 2                                0.3
## 3                                3.8
## 4                                1.7
## 5                                0.5
## 6                                1.0
##                                HC04_VC200
## 1 Percent Margin of Error; ANCESTRY - Total population - Norwegian
## 2                                0.1
## 3                                0.2
## 4                                0.1
## 5                                0.1
## 6                                0.1
##                                HC01_VC201
## 1 Estimate; ANCESTRY - Total population - Polish
## 2                                28533
## 3                                14151
## 4                                156859
## 5                                24180
## 6                                495915
##                                HC02_VC201
## 1 Margin of Error; ANCESTRY - Total population - Polish
## 2                                1532
## 3                                1001
## 4                                3611
## 5                                1416
## 6                                5726
##                                HC03_VC201
## 1 Percent; ANCESTRY - Total population - Polish
## 2                                0.6

```


## 3	1.9	
## 4	2.4	
## 5	0.8	
## 6	1.3	
##		HC04_VC201
## 1	Percent Margin of Error; ANCESTRY - Total population - Polish	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC202
## 1	Estimate; ANCESTRY - Total population - Portuguese	
## 2		3077
## 3		2524
## 4		16313
## 5		3001
## 6		344561
##		HC02_VC202
## 1	Margin of Error; ANCESTRY - Total population - Portuguese	
## 2		505
## 3		484
## 4		1391
## 5		509
## 6		5618
##		HC03_VC202
## 1	Percent; ANCESTRY - Total population - Portuguese	
## 2		0.1
## 3		0.3
## 4		0.2
## 5		0.1
## 6		0.9
##		HC04_VC202
## 1	Percent Margin of Error; ANCESTRY - Total population - Portuguese	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##		HC01_VC203
## 1	Estimate; ANCESTRY - Total population - Russian	
## 2		8258
## 3		9905
## 4		50900
## 5		4584
## 6		424043
##		HC02_VC203
## 1	Margin of Error; ANCESTRY - Total population - Russian	
## 2		861
## 3		1089
## 4		2526
## 5		661
## 6		6643
##		HC03_VC203

```

## 1 Percent; ANCESTRY - Total population - Russian
## 2          0.2
## 3          1.4
## 4          0.8
## 5          0.2
## 6          1.1
##
##                                     HC04_VC203
## 1 Percent Margin of Error; ANCESTRY - Total population - Russian
## 2          0.1
## 3          0.1
## 4          0.1
## 5          0.1
## 6          0.1
##
##                                     HC01_VC204
## 1 Estimate; ANCESTRY - Total population - Scotch-Irish
## 2          72244
## 3          8915
## 4          54417
## 5          37103
## 6          224162
##
##                                     HC02_VC204
## 1 Margin of Error; ANCESTRY - Total population - Scotch-Irish
## 2          2489
## 3          854
## 4          2109
## 5          1668
## 6          3904
##
##                                     HC03_VC204
## 1 Percent; ANCESTRY - Total population - Scotch-Irish
## 2          1.5
## 3          1.2
## 4          0.8
## 5          1.3
## 6          0.6
##
##                                     HC04_VC204
## 1 Percent Margin of Error; ANCESTRY - Total population - Scotch-Irish
## 2          0.1
## 3          0.1
## 4          0.1
## 5          0.1
## 6          0.1
##
##                                     HC01_VC205
## 1 Estimate; ANCESTRY - Total population - Scottish
## 2          85827
## 3          19107
## 4          122794
## 5          50272
## 6          502749
##
##                                     HC02_VC205
## 1 Margin of Error; ANCESTRY - Total population - Scottish
## 2          2762
## 3          951
## 4          3249
## 5          1609

```

## 6		5657
##	HC03_VC205	
## 1	Percent; ANCESTRY - Total population - Scottish	
## 2		1.8
## 3		2.6
## 4		1.8
## 5		1.7
## 6		1.3
##	HC04_VC205	
## 1	Percent Margin of Error; ANCESTRY - Total population - Scottish	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##	HC01_VC206	
## 1	Estimate; ANCESTRY - Total population - Slovak	
## 2		2023
## 3		885
## 4		9165
## 5		970
## 6		25052
##	HC02_VC206	
## 1	Margin of Error; ANCESTRY - Total population - Slovak	
## 2		393
## 3		272
## 4		788
## 5		209
## 6		1562
##	HC03_VC206	
## 1	Percent; ANCESTRY - Total population - Slovak	
## 2		0.0
## 3		0.1
## 4		0.1
## 5		0.0
## 6		0.1
##	HC04_VC206	
## 1	Percent Margin of Error; ANCESTRY - Total population - Slovak	
## 2		0.1
## 3		0.1
## 4		0.1
## 5		0.1
## 6		0.1
##	HC01_VC207	
## 1	Estimate; ANCESTRY - Total population - Subsaharan African	
## 2		44429
## 3		3478
## 4		35975
## 5		8370
## 6		261286
##	HC02_VC207	
## 1	Margin of Error; ANCESTRY - Total population - Subsaharan African	
## 2		2467
## 3		611

```

## 4 2224
## 5 808
## 6 7384
## HC03_VC207
## 1 Percent; ANCESTRY - Total population - Subsaharan African
## 2 0.9
## 3 0.5
## 4 0.5
## 5 0.3
## 6 0.7
## HC04_VC207
## 1 Percent Margin of Error; ANCESTRY - Total population - Subsaharan African
## 2 0.1
## 3 0.1
## 4 0.1
## 5 0.1
## 6 0.1
## HC01_VC208
## 1 Estimate; ANCESTRY - Total population - Swedish
## 2 17223
## 3 16355
## 4 101191
## 5 15925
## 6 408532
## HC02_VC208
## 1 Margin of Error; ANCESTRY - Total population - Swedish
## 2 1402
## 3 1044
## 4 3155
## 5 1107
## 6 6375
## HC03_VC208
## 1 Percent; ANCESTRY - Total population - Swedish
## 2 0.4
## 3 2.2
## 4 1.5
## 5 0.5
## 6 1.1
## HC04_VC208
## 1 Percent Margin of Error; ANCESTRY - Total population - Swedish
## 2 0.1
## 3 0.1
## 4 0.1
## 5 0.1
## 6 0.1
## HC01_VC209
## 1 Estimate; ANCESTRY - Total population - Swiss
## 2 4209
## 3 3577
## 4 18181
## 5 5778
## 6 101474
## HC02_VC209
## 1 Margin of Error; ANCESTRY - Total population - Swiss

```

## 2	564
## 3	633
## 4	1185
## 5	740
## 6	2670
##	HC03_VC209
## 1	Percent; ANCESTRY - Total population - Swiss
## 2	0.1
## 3	0.5
## 4	0.3
## 5	0.2
## 6	0.3
##	HC04_VC209
## 1	Percent Margin of Error; ANCESTRY - Total population - Swiss
## 2	0.1
## 3	0.1
## 4	0.1
## 5	0.1
## 6	0.1
##	HC01_VC210
## 1	Estimate; ANCESTRY - Total population - Ukrainian
## 2	2021
## 3	3028
## 4	14270
## 5	1612
## 6	104546
##	HC02_VC210
## 1	Margin of Error; ANCESTRY - Total population - Ukrainian
## 2	344
## 3	617
## 4	1108
## 5	301
## 6	3524
##	HC03_VC210
## 1	Percent; ANCESTRY - Total population - Ukrainian
## 2	0.0
## 3	0.4
## 4	0.2
## 5	0.1
## 6	0.3
##	HC04_VC210
## 1	Percent Margin of Error; ANCESTRY - Total population - Ukrainian
## 2	0.1
## 3	0.1
## 4	0.1
## 5	0.1
## 6	0.1
##	HC01_VC211
## 1	Estimate; ANCESTRY - Total population - Welsh
## 2	18576
## 3	6193
## 4	43079
## 5	13426
## 6	160710

```

##                                     HC02_VC211
## 1 Margin of Error; ANCESTRY - Total population - Welsh
## 2                                     1374
## 3                                     664
## 4                                     2027
## 5                                     1159
## 6                                     3623
##                                     HC03_VC211
## 1 Percent; ANCESTRY - Total population - Welsh
## 2                                     0.4
## 3                                     0.8
## 4                                     0.6
## 5                                     0.5
## 6                                     0.4
##                                     HC04_VC211
## 1 Percent Margin of Error; ANCESTRY - Total population - Welsh
## 2                                     0.1
## 3                                     0.1
## 4                                     0.1
## 5                                     0.1
## 6                                     0.1
##                                     HC01_VC212
## 1 Estimate; ANCESTRY - Total population - West Indian (excluding Hispanic origin groups)
## 2                                     8914
## 3                                     1074
## 4                                     10246
## 5                                     3641
## 6                                     83185
##                                     HC02_VC212
## 1 Margin of Error; ANCESTRY - Total population - West Indian (excluding Hispanic origin groups)
## 2                                     1051
## 3                                     334
## 4                                     1153
## 5                                     530
## 6                                     3550
##                                     HC03_VC212
## 1 Percent; ANCESTRY - Total population - West Indian (excluding Hispanic origin groups)
## 2                                     0.2
## 3                                     0.1
## 4                                     0.2
## 5                                     0.1
## 6                                     0.2
##                                     HC04_VC212
## 1 Percent Margin of Error; ANCESTRY - Total population - West Indian (excluding Hispanic origin groups)
## 2                                     (X)
## 3                                     (X)
## 4                                     (X)
##                                     HC01_VC216
## 1 Estimate; COMPUTERS AND INTERNET USE - Total households
## 2                                     (X)
## 3                                     (X)
## 4                                     (X)

```

```

## 5 (X)
## 6 (X)
## HC02_VC216
## 1 Margin of Error; COMPUTERS AND INTERNET USE - Total households
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC03_VC216
## 1 Percent; COMPUTERS AND INTERNET USE - Total households
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC04_VC216
## 1 Percent Margin of Error; COMPUTERS AND INTERNET USE - Total households
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC01_VC217
## 1 Estimate; COMPUTERS AND INTERNET USE - Total households - With a computer
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC02_VC217
## 1 Margin of Error; COMPUTERS AND INTERNET USE - Total households - With a computer
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC03_VC217
## 1 Percent; COMPUTERS AND INTERNET USE - Total households - With a computer
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC04_VC217
## 1 Percent Margin of Error; COMPUTERS AND INTERNET USE - Total households - With a computer
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC01_VC218
## 1 Estimate; COMPUTERS AND INTERNET USE - Total households - With a broadband Internet subscription
## 2 (X)

```

```

## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
## HC02_
## 1 Margin of Error; COMPUTERS AND INTERNET USE - Total households - With a broadband Internet subscrip
## 2
## 3
## 4
## 5
## 6
## HC03_VC218
## 1 Percent; COMPUTERS AND INTERNET USE - Total households - With a broadband Internet subscription
## 2 (X)
## 3 (X)
## 4 (X)
## 5 (X)
## 6 (X)
##
## 1 Percent Margin of Error; COMPUTERS AND INTERNET USE - Total households - With a broadband Internet
## 2
## 3
## 4
## 5
## 6

```

The original data contains a lot of variable which are not relevant to this study, therefore a subset of the data is extracted. The following are the variables that are selected for the project as described below:

GEO.display.label: Geography HC01_VC03 Estimate; HOUSEHOLDS BY TYPE - Total households
 HC01_VC04: Estimate: Total households - Family households (families)
 HC01_VC06: Estimate: Total households - Family households (families) - Married-couple family
 HC01_VC08: Estimate: Total households - Family households (families) - Male householder, no wife present
 HC01_VC10: Estimate: Total households - Family households (families) - Female householder, no husband present
 HC01_VC76: Estimate: SCHOOL ENROLLMENT - Population 3 years and over enrolled in school
 HC01_VC88: Estimate: EDUCATIONAL ATTAINMENT - Population 25 years and over - High school graduate
 HC03_VC88: Percent: EDUCATIONAL ATTAINMENT - Population 25 years and over - High school graduate
 HC01_VC91: Estimate: EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree
 HC03_VC91: Percent; EDUCATIONAL ATTAINMENT - Population 25 years and over - Bachelor's degree

```
vars <- c("GEO.display.label", "HC01_VC03", "HC01_VC04", "HC01_VC06",
          "HC01_VC08", "HC01_VC10", "HC01_VC76", "HC01_VC88", "HC03_VC88",
          "HC01_VC91", "HC03_VC91")
```

```
familyEduDS <- originDS[-1, vars]
```

```
head(familyEduDS)
```

##	GEO.display.label	HC01_VC03	HC01_VC04	HC01_VC06	HC01_VC08	HC01_VC10
## 2	Alabama	1848325	1238967	880942	78073	279952
## 3	Alaska	250969	167562	124649	14733	28180
## 4	Arizona	2412212	1581380	1142828	131803	306749
## 5	Arkansas	1138025	759924	558920	50484	150520
## 6	California	12717801	8732734	6245351	759047	1728336
## 7	Colorado	2024468	1300972	1003324	91627	206021


```
##      HC01_VC76 HC01_VC88 HC03_VC88 HC01_VC91 HC03_VC91
## 2      1206014   1005295      31.0    478812     14.8
## 3      195151   129324      27.8     83201     17.9
## 4      1754549  1063765      24.4    753425     17.3
## 5       750024   685277      34.9    267741     13.6
## 6     10579176  5231824      20.7   5002596     19.8
## 7     1395787   767325      21.8    847977     24.1
```

providing meaningful names to columns:

```
columnNames <- c("states", "total_house_hold", "total_family", "married_couple_family",
  "husband_only_family", "wife_only_family", "school_enrollment",
  "high_school_grad", "percent_high_school", "bachelor_deg_holder",
  "percent_bachelor")
```

```
colnames(familyEduDS) <- columnNames
```

```
head(familyEduDS)
```

```
##      states total_house_hold total_family married_couple_family
## 2    Alabama      1848325      1238967      880942
## 3    Alaska       250969      167562      124649
## 4    Arizona      2412212      1581380      1142828
## 5    Arkansas      1138025      759924      558920
## 6 California      12717801     8732734      6245351
## 7    Colorado      2024468      1300972      1003324
## husband_only_family wife_only_family school_enrollment high_school_grad
## 2              78073          279952          1206014          1005295
## 3              14733           28180           195151           129324
## 4              131803          306749          1754549          1063765
## 5              50484          150520           750024           685277
## 6              759047          1728336          10579176          5231824
## 7              91627          206021           1395787           767325
## percent_high_school bachelor_deg_holder percent_bachelor
## 2              31.0          478812           14.8
## 3              27.8           83201           17.9
## 4              24.4          753425           17.3
## 5              34.9          267741           13.6
## 6              20.7          5002596           19.8
## 7              21.8          847977           24.1
```

converting column type to numeric for columns holding numbers:

```
familyEduDS[2:11] <- sapply(familyEduDS[2:11], as.numeric)
```

Calculate percentage of types of families in relation to total number of families:

```
percent_married_couple <- familyEduDS$married_couple_family/familyEduDS$total_house_hold
percent_husband_only <- familyEduDS$husband_only_family/familyEduDS$total_house_hold
percent_wife_only <- familyEduDS$wife_only_family/familyEduDS$total_house_hold
```

Research question

Does larger number of married couple families cause larger number of educated population compared to the number of families of single parents?

case

Each case represents a state in the United States, there are 51 of them.

Data collection

The data represents selected social characteristics in the United States in the period of 5 years from 2011 to 2015 and compiled by American Community Survey, US Census Bureau, the premier source for detailed information about the American people and workforce.

The data was published by US Census Bureau and posted in American Fact Finder website: https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP02&src=pt

Type of study

This is an observational study

Data Source

The data was published by US Census Bureau and posted in American Fact Finder website: https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP02&src=pt

Response

The response variables are the estimates of school enrollment, high school graduates and bachelor degree and they are numerical.

Explanatory

The explanatory variables are the estimates of family types and are numerical.

Relevant summary statistics

```
describe(percent_married_couple)
```

```
##      vars   n mean    sd median trimmed  mad   min   max range  skew kurtosis
## X1      1 51 0.48 0.05   0.49   0.49 0.02 0.24 0.61  0.37 -2.68    15.66
##      se
## X1 0.01
```

```
describe(percent_husband_only)
```

```
##      vars   n mean    sd median trimmed  mad   min   max range  skew kurtosis se
## X1      1 51 0.05 0.01   0.05   0.05  0 0.04 0.06  0.02 1.19      1  0
```

```
describe(percent_wife_only)
```

```
##      vars   n mean    sd median trimmed  mad   min   max range  skew kurtosis se
## X1      1 51 0.12 0.02   0.13   0.12 0.03 0.08 0.19  0.11 0.22    -0.35  0
```

```
describe(familyEduDS$school_enrollment)
```

```
##      vars  n    mean      sd median trimmed      mad    min      max  
## X1      1 51 1618207 1900477 1093200 1233916 981914.1 148169 10579176  
##      range skew kurtosis      se  
## X1 10431007 2.73      8.86 266120
```

```
describe(familyEduDS$high_school_grad)
```

```
##      vars  n    mean      sd median trimmed      mad    min      max    range  
## X1      1 51 1151422 1160948 796141 922337.6 760432.9 81697 5231824 5150127  
##      skew kurtosis      se  
## X1 1.71      2.54 162565.2
```

```
describe(familyEduDS$bachelor_deg_holder)
```

```
##      vars  n    mean      sd median trimmed      mad    min      max    range  
## X1      1 51 767961.7 898297 478812 583714.2 503347.2 65787 5002596 4936809  
##      skew kurtosis      se  
## X1 2.59      8.2 125786.7
```

```
describe(familyEduDS$percent_high_school)
```

```
##      vars  n mean      sd median trimmed mad min  max range skew kurtosis  se  
## X1      1 51 28.77 4.17   28.4   28.77   4  18 40.7  22.7 0.11    0.42 0.58
```

```
describe(familyEduDS$percent_bachelor)
```

```
##      vars  n mean      sd median trimmed mad min  max range skew kurtosis  
## X1      1 51 18.38 2.83   18.4   18.43 2.82 11.7 24.1  12.4 -0.2    -0.5  
##      se  
## X1 0.4
```

```
qplot(percent_married_couple, geom = "histogram")
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

