

travelSurveyTools-psrctest

suzanne

2024-01-05

```
#set config
usethis::use_git_config(user.name = "Ennazus", user.email = "childresssuzanne@gmail.com")

# #Go to github page to generate token
usethis::create_github_token()
```

```
## * Call 'gitcreds::gitcreds_set()' to register this token in the local Git credential store
## It is also a great idea to store this token in any password-management software that you use
## * Open URL 'https://github.com/settings/tokens/new?scopes=repo,user,gist,workflow&description=DESCRIPTION'
```

```
#paste your PAT into pop-up that follows...
credentials::set_github_pat()

#now remotes::install_github() will work

# install Jan 11 version of package for consistency
remotes::install_github('RSGInc/travelSurveyTools', ref = "b3f264c", force = TRUE)
```

```
## Using github PAT from envvar GITHUB_PAT
## Downloading GitHub repo RSGInc/travelSurveyTools@b3f264c
```

```
## vctrs (0.6.1 -> 0.6.5) [CRAN]
## rlang (1.1.0 -> 1.1.3) [CRAN]
## purrr (1.0.1 -> 1.0.2) [CRAN]
## glue (1.6.2 -> 1.7.0) [CRAN]
## dplyr (1.1.2 -> 1.1.4) [CRAN]
## cli (3.6.0 -> 3.6.2) [CRAN]
## fansi (1.0.4 -> 1.0.6) [CRAN]
## utf8 (1.2.3 -> 1.2.4) [CRAN]
## stringi (1.7.12 -> 1.8.3) [CRAN]
```

```
## Installing 9 packages: vctrs, rlang, purrr, glue, dplyr, cli, fansi, utf8, stringi
```

```
## Warning: package 'dplyr' is in use and will not be installed
```

```
## Installing packages into 'C:/Users/SChildress/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)
```

```
## package 'vctrs' successfully unpacked and MD5 sums checked
```

```

## Warning: cannot remove prior installation of package 'vctr'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\vctr\libs\x64\vctr.dll
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\vctr\libs\x64\vctr.dll:
## Permission denied

## Warning: restored 'vctr'

## package 'rlang' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'rlang'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\rlang\libs\x64\rlang.dll
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\rlang\libs\x64\rlang.dll:
## Permission denied

## Warning: restored 'rlang'

## package 'purrr' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'purrr'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\purrr\libs\x64\purrr.dll
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\purrr\libs\x64\purrr.dll:
## Permission denied

## Warning: restored 'purrr'

## package 'glue' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'glue'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\glue\libs\x64\glue.dll
## to C:\Users\SChildress\AppData\Local\R\win-library\4.2\glue\libs\x64\glue.dll:
## Permission denied

## Warning: restored 'glue'

## package 'cli' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'cli'

```

```

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\cli\libs\x64\cli.dll
## to C:\Users\SChildress\AppData\Local\R\win-library\4.2\cli\libs\x64\cli.dll:
## Permission denied

## Warning: restored 'cli'

## package 'fansi' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'fansi'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\fansi\libs\x64\fansi.dll
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\fansi\libs\x64\fansi.dll:
## Permission denied

## Warning: restored 'fansi'

## package 'utf8' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'utf8'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\utf8\libs\x64\utf8.dll
## to C:\Users\SChildress\AppData\Local\R\win-library\4.2\utf8\libs\x64\utf8.dll:
## Permission denied

## Warning: restored 'utf8'

## package 'stringi' successfully unpacked and MD5 sums checked

## Warning: cannot remove prior installation of package 'stringi'

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\stringi\libs\icudt69l.dat
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\stringi\libs\icudt69l.dat:
## Invalid argument

## Warning in file.copy(savedcopy, lib, recursive = TRUE): problem copying
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\00LOCK\stringi\libs\x64\stringi.dll
## to
## C:\Users\SChildress\AppData\Local\R\win-library\4.2\stringi\libs\x64\stringi.dll:
## Permission denied

## Warning: restored 'stringi'

```

```
##
## The downloaded binary packages are in
## C:\Users\SChildress\AppData\Local\Temp\RtmpcrYzKF\downloaded_packages
## -- R CMD build -----
##      checking for file 'C:\Users\SChildress\AppData\Local\Temp\RtmpcrYzKF\remotes3c40152c2a9\RSG
##      - preparing 'travelSurveyTools':
##      checking DESCRIPTION meta-information ...      checking DESCRIPTION meta-information ...    v  check
##      - checking for LF line-endings in source and make files and shell scripts
##      - checking for empty or unneeded directories
##      - building 'travelSurveyTools_0.0.0.9000.tar.gz'
##
##
```

```
## Installing package into 'C:/Users/SChildress/AppData/Local/R/win-library/4.2'
## (as 'lib' is unspecified)
```

Note: it's still called rsgSurveyTools

```
library(travelSurveyTools)
```

```
## Warning: replacing previous import 'data.table::last' by 'dplyr::last' when
## loading 'travelSurveyTools'
```

```
## Warning: replacing previous import 'data.table::first' by 'dplyr::first' when
## loading 'travelSurveyTools'
```

```
## Warning: replacing previous import 'data.table::between' by 'dplyr::between'
## when loading 'travelSurveyTools'
```

```
## Warning: replacing previous import 'srvyr::filter' by 'stats::filter' when
## loading 'travelSurveyTools'
```

```
## Warning: replacing previous import 'dplyr::lag' by 'stats::lag' when loading
## 'travelSurveyTools'
```

```
hhts_connect <- function(connection = NULL){
  if(!is.null(connection)) return(connection)
  if(config::is_active('default')){
    con <- DBI::dbConnect(odbc::odbc(),
                          driver = "ODBC Driver 17 for SQL Server",
                          server = "AWS-PROD-SQL\\Sockeye",
                          database = "hhts_cleaning",
                          trusted_connection = "yes",
                          port = 1433)
  }else
  {
    con <- DBI::dbConnect(RSQLite::SQLite(), 'hh_survey.db')
  }
}
```

```

# Point to where the 2023 codebook lives:
codebook_path = 'J:/Projects/Surveys/HHTravel/Survey2023/Data/data_deliverable_81823/codebook_guide/PSRC

# Read Data =====

#data as delivered
hh<-get_table(db_name = "HouseholdTravelSurvey2023", "combined_data", "v_household")
person<-get_table(db_name = "HouseholdTravelSurvey2023", "combined_data", "v_person")
day<-get_table(db_name = "HouseholdTravelSurvey2023", "combined_data", "v_day")
vehicle<-get_table(db_name = "HouseholdTravelSurvey2023", "combined_data", "v_vehicle")
trip<-get_table(db_name ="HouseholdTravelSurvey2023", "combined_data", "v_trip")
# Codebook -----

variables = readxl::read_xlsx(
  codebook_path,
  sheet = 'variable_list_2023'
)

values = readxl::read_xlsx(
  codebook_path,
  sheet = 'value_labels_2023'
)

```

```

## Warning: Expecting logical in H1461 / R1461C8: got 'could be imputed'

## Warning: Expecting logical in H1468 / R1468C8: got 'new meaning for "can drive"
## labels'

## Warning: Expecting logical in H1469 / R1469C8: got 'new meaning for "can drive"
## labels'

## Warning: Expecting logical in H1470 / R1470C8: got 'new meaning for "can drive"
## labels'

## Warning: Expecting logical in H1535 / R1535C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1545 / R1545C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1590 / R1590C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1600 / R1600C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1645 / R1645C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1655 / R1655C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

```

```
## Warning: Expecting logical in H1700 / R1700C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1710 / R1710C8: got 'does PSRC want one of these
## to map to the new value, "Other motorcycle in household"?'

## Warning: Expecting logical in H1811 / R1811C8: got 'can be condensed with mode
## "car" for compatibility between 2021 & 2023'
```

```
setDT(variables)
setDT(values)
```

```
setnames(hh, 'hhid', 'hh_id')
setnames(person, 'hhid', 'hh_id')
setnames(day, 'hhid', 'hh_id')
setnames(trip, c('hhid', 'tripid'), c('hh_id', 'trip_id'))
setnames(vehicle, c('hhid', 'vehid'), c('hh_id', 'vehicle_id'))
```

```
values[, val_order := seq_len(nrow(values))]

setnames(values, 'final_label', 'label')

setnames(variables, 'description_2023', 'description')

setnames(variables, c('hh_23', 'per_23', 'veh_23', 'day_23', 'trip_23', 'location_final'),
          c('hh', 'person', 'vehicle', 'day', 'trip', 'location'))

setnames(variables, 'data_type_2023', 'data_type')

variables[, shared_name := ifelse(
  grepl('--', description),
  sub('_[^_]*$', '', variable), variable)
]

variables[, is_checkbox := ifelse(grepl('--', description), 1, 0)]

variable_list = variables[!is.na(hh) | !is.na(person) | !is.na(day) | !is.na(trip) | !is.na(vehicle) | !is.na(trip_id)]

setnames(day, 'day_weight_2023', 'day_weight')

setDT(hh)
setDT(person)
setDT(day)
setDT(vehicle)
setDT(trip)
```

```
hts_data = list('hh' = hh, 'person' = person, 'day' = day, 'trip' = trip, 'vehicle' = vehicle)
```

```
hts_summary(hts_data = hts_data, summarize_var = 'age', summarize_by = 'employment', variables_dt = variables)
```

```
## Creating a summary of person age broken down by person employment
```

```

## $n_ls
## $n_ls$unwtd
## $n_ls$unwtd$Households
## [1] 4662
##
## $n_ls$unwtd$Persons
## [1] 9395
##
##
## $n_ls$wtd
## $n_ls$wtd$Persons
## [1] 9395
##
##
## $n_ls$units
## [1] "persons"
##
##
## $cat_summary
## $cat_summary$wtd
##
##
## 1:      Employed full time (35+ hours/week, paid)
## 2:      Employed full time (35+ hours/week, paid)
## 3:      Employed full time (35+ hours/week, paid)
## 4:      Employed full time (35+ hours/week, paid)
## 5:      Employed full time (35+ hours/week, paid)
## 6:      Employed full time (35+ hours/week, paid)
## 7:      Employed full time (35+ hours/week, paid)
## 8:      Employed part time (fewer than 35 hours/week, paid)
## 9:      Employed part time (fewer than 35 hours/week, paid)
## 10:     Employed part time (fewer than 35 hours/week, paid)
## 11:     Employed part time (fewer than 35 hours/week, paid)
## 12:     Employed part time (fewer than 35 hours/week, paid)
## 13:     Employed part time (fewer than 35 hours/week, paid)
## 14:     Employed part time (fewer than 35 hours/week, paid)
## 15:     Employed part time (fewer than 35 hours/week, paid)
## 16:     Employed part time (fewer than 35 hours/week, paid)
## 17:      Self-employed
## 18:      Self-employed
## 19:      Self-employed
## 20:      Self-employed
## 21:      Self-employed
## 22:      Self-employed
## 23:      Self-employed
## 24:      Self-employed
## 25:      Self-employed
## 26:      Unpaid volunteer or intern
## 27:      Unpaid volunteer or intern
## 28:      Unpaid volunteer or intern
## 29:      Unpaid volunteer or intern
## 30:      Unpaid volunteer or intern
## 31:      Unpaid volunteer or intern
## 32:      Unpaid volunteer or intern
## 33:      Unpaid volunteer or intern

```

```

## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 37: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 38: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 39: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 40: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 41: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 42: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 43: Unemployed and looking for work
## 44: Unemployed and looking for work
## 45: Unemployed and looking for work
## 46: Unemployed and looking for work
## 47: Unemployed and looking for work
## 48: Unemployed and looking for work
## 49: Unemployed and looking for work
## 50: Unemployed and looking for work
## 51: Employed but not currently working (e.g., on leave, furloughed 100%)
## 52: Employed but not currently working (e.g., on leave, furloughed 100%)
## 53: Employed but not currently working (e.g., on leave, furloughed 100%)
## 54: Employed but not currently working (e.g., on leave, furloughed 100%)
## 55: Employed but not currently working (e.g., on leave, furloughed 100%)
## 56: Employed but not currently working (e.g., on leave, furloughed 100%)
## 57: Missing: Skip Logic
## 58: Missing: Skip Logic
## 59: Missing: Skip Logic
## employment
##
##      age count      prop est
## 1: 18-24 years   240 0.058622374 240
## 2: 25-34 years  1402 0.342452369 1402
## 3: 35-44 years  1150 0.280898876 1150
## 4: 45-54 years   715 0.174645823  715
## 5: 55-64 years   479 0.117000489  479
## 6: 65-74 years   103 0.025158769  103
## 7: 75-84 years    5 0.001221299    5
## 8: 16-17 years   33 0.045143639   33
## 9: 18-24 years  118 0.161422709  118
## 10: 25-34 years  154 0.210670315  154
## 11: 35-44 years  133 0.181942544  133
## 12: 45-54 years   89 0.121751026   89
## 13: 55-64 years  112 0.153214774  112
## 14: 65-74 years   71 0.097127223   71
## 15: 75-84 years   20 0.027359781   20
## 16: 85 or years older    1 0.001367989    1
## 17: 16-17 years    1 0.002087683    1
## 18: 18-24 years   14 0.029227557   14
## 19: 25-34 years   71 0.148225470   71
## 20: 35-44 years  108 0.225469729  108
## 21: 45-54 years   91 0.189979123   91
## 22: 55-64 years  108 0.225469729  108
## 23: 65-74 years   63 0.131524008   63
## 24: 75-84 years   21 0.043841336   21
## 25: 85 or years older    2 0.004175365    2
## 26: 16-17 years    1 0.014925373    1

```



```

## 27:      18-24 years      9 0.134328358      9
## 28:      25-34 years      8 0.119402985      8
## 29:      35-44 years      7 0.104477612      7
## 30:      45-54 years      5 0.074626866      5
## 31:      55-64 years      6 0.089552239      6
## 32:      65-74 years     25 0.373134328     25
## 33:      75-84 years      6 0.089552239      6
## 34:      16-17 years     89 0.038966725     89
## 35:      18-24 years    125 0.054728546    125
## 36:      25-34 years    143 0.062609457    143
## 37:      35-44 years    151 0.066112084    151
## 38:      45-54 years    144 0.063047285    144
## 39:      55-64 years    385 0.168563923    385
## 40:      65-74 years    789 0.345446585    789
## 41:      75-84 years    403 0.176444834    403
## 42: 85 or years older     55 0.024080560     55
## 43:      16-17 years     11 0.027918782     11
## 44:      18-24 years     53 0.134517766     53
## 45:      25-34 years    129 0.327411168    129
## 46:      35-44 years     83 0.210659898     83
## 47:      45-54 years     62 0.157360406     62
## 48:      55-64 years     48 0.121827411     48
## 49:      65-74 years      6 0.015228426      6
## 50:      75-84 years      2 0.005076142      2
## 51:      18-24 years      1 0.015151515      1
## 52:      25-34 years     22 0.333333333     22
## 53:      35-44 years     19 0.287878788     19
## 54:      45-54 years     13 0.196969697     13
## 55:      55-64 years      8 0.121212121      8
## 56:      65-74 years      3 0.045454545      3
## 57: Under 5 years old    397 0.310156250    397
## 58:      5-11 years     577 0.450781250    577
## 59:      12-15 years    306 0.239062500    306
##           age count      prop  est
##
## $cat_summary$weight_name
## [1] "person_weight"
##
## $cat_summary$sunwtd
##
##                                     employment
## 1:      Employed full time (35+ hours/week, paid)
## 2:      Employed full time (35+ hours/week, paid)
## 3:      Employed full time (35+ hours/week, paid)
## 4:      Employed full time (35+ hours/week, paid)
## 5:      Employed full time (35+ hours/week, paid)
## 6:      Employed full time (35+ hours/week, paid)
## 7:      Employed full time (35+ hours/week, paid)
## 8:      Employed part time (fewer than 35 hours/week, paid)
## 9:      Employed part time (fewer than 35 hours/week, paid)
## 10:     Employed part time (fewer than 35 hours/week, paid)
## 11:     Employed part time (fewer than 35 hours/week, paid)
## 12:     Employed part time (fewer than 35 hours/week, paid)
## 13:     Employed part time (fewer than 35 hours/week, paid)
## 14:     Employed part time (fewer than 35 hours/week, paid)

```

```

## 15:                Employed part time (fewer than 35 hours/week, paid)
## 16:                Employed part time (fewer than 35 hours/week, paid)
## 17:                Self-employed
## 18:                Self-employed
## 19:                Self-employed
## 20:                Self-employed
## 21:                Self-employed
## 22:                Self-employed
## 23:                Self-employed
## 24:                Self-employed
## 25:                Self-employed
## 26:                Unpaid volunteer or intern
## 27:                Unpaid volunteer or intern
## 28:                Unpaid volunteer or intern
## 29:                Unpaid volunteer or intern
## 30:                Unpaid volunteer or intern
## 31:                Unpaid volunteer or intern
## 32:                Unpaid volunteer or intern
## 33:                Unpaid volunteer or intern
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 37: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 38: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 39: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 40: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 41: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 42: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 43:                Unemployed and looking for work
## 44:                Unemployed and looking for work
## 45:                Unemployed and looking for work
## 46:                Unemployed and looking for work
## 47:                Unemployed and looking for work
## 48:                Unemployed and looking for work
## 49:                Unemployed and looking for work
## 50:                Unemployed and looking for work
## 51:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 52:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 53:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 54:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 55:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 56:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 57:                Missing: Skip Logic
## 58:                Missing: Skip Logic
## 59:                Missing: Skip Logic
##                                employment
##
##          age count      prop
## 1:    18-24 years    240 0.058622374
## 2:    25-34 years   1402 0.342452369
## 3:    35-44 years   1150 0.280898876
## 4:    45-54 years    715 0.174645823
## 5:    55-64 years    479 0.117000489
## 6:    65-74 years    103 0.025158769
## 7:    75-84 years     5 0.001221299

```

## 8:	16-17 years	33	0.045143639
## 9:	18-24 years	118	0.161422709
## 10:	25-34 years	154	0.210670315
## 11:	35-44 years	133	0.181942544
## 12:	45-54 years	89	0.121751026
## 13:	55-64 years	112	0.153214774
## 14:	65-74 years	71	0.097127223
## 15:	75-84 years	20	0.027359781
## 16:	85 or years older	1	0.001367989
## 17:	16-17 years	1	0.002087683
## 18:	18-24 years	14	0.029227557
## 19:	25-34 years	71	0.148225470
## 20:	35-44 years	108	0.225469729
## 21:	45-54 years	91	0.189979123
## 22:	55-64 years	108	0.225469729
## 23:	65-74 years	63	0.131524008
## 24:	75-84 years	21	0.043841336
## 25:	85 or years older	2	0.004175365
## 26:	16-17 years	1	0.014925373
## 27:	18-24 years	9	0.134328358
## 28:	25-34 years	8	0.119402985
## 29:	35-44 years	7	0.104477612
## 30:	45-54 years	5	0.074626866
## 31:	55-64 years	6	0.089552239
## 32:	65-74 years	25	0.373134328
## 33:	75-84 years	6	0.089552239
## 34:	16-17 years	89	0.038966725
## 35:	18-24 years	125	0.054728546
## 36:	25-34 years	143	0.062609457
## 37:	35-44 years	151	0.066112084
## 38:	45-54 years	144	0.063047285
## 39:	55-64 years	385	0.168563923
## 40:	65-74 years	789	0.345446585
## 41:	75-84 years	403	0.176444834
## 42:	85 or years older	55	0.024080560
## 43:	16-17 years	11	0.027918782
## 44:	18-24 years	53	0.134517766
## 45:	25-34 years	129	0.327411168
## 46:	35-44 years	83	0.210659898
## 47:	45-54 years	62	0.157360406
## 48:	55-64 years	48	0.121827411
## 49:	65-74 years	6	0.015228426
## 50:	75-84 years	2	0.005076142
## 51:	18-24 years	1	0.015151515
## 52:	25-34 years	22	0.333333333
## 53:	35-44 years	19	0.287878788
## 54:	45-54 years	13	0.196969697
## 55:	55-64 years	8	0.121212121
## 56:	65-74 years	3	0.045454545
## 57:	Under 5 years old	397	0.310156250
## 58:	5-11 years	577	0.450781250
## 59:	12-15 years	306	0.239062500
##	age count		prop
##			

```
##
## $num_summary
## NULL
##
## $outliers
## NULL
##
## $var_is_shared
## [1] FALSE
##
## $summarize_var
## [1] "age"
##
## $summarize_var_desc
## [1] "Age"
##
## $summarize_by
## [1] "employment"
##
## $summarize_by_desc
## [1] "Employment status"
```

```
hts_summary(hts_data = hts_data, summarize_var = 'num_trips', summarize_by = 'employment', variables_dt
```

```
## Creating a summary of day num_trips broken down by person employment
```

```
## $n_ls
## $n_ls$unwtd
## $n_ls$unwtd$Households
## [1] 4654
##
## $n_ls$unwtd$Persons
## [1] 8987
##
## $n_ls$unwtd$Days
## [1] 25000
##
##
## $n_ls$wtd
## $n_ls$wtd$Days
## [1] 25000
##
## $n_ls$wtd$Persons
## [1] 25000
##
##
## $n_ls$units
## [1] "days"
##
##
## $cat_summary
## $cat_summary$wtd
##
```

employment

```

## 1:      Employed full time (35+ hours/week, paid)
## 2:      Employed full time (35+ hours/week, paid)
## 3:      Employed full time (35+ hours/week, paid)
## 4:      Employed full time (35+ hours/week, paid)
## 5:      Employed full time (35+ hours/week, paid)
## 6:      Employed full time (35+ hours/week, paid)
## 7:      Employed full time (35+ hours/week, paid)
## 8:      Employed part time (fewer than 35 hours/week, paid)
## 9:      Employed part time (fewer than 35 hours/week, paid)
## 10:     Employed part time (fewer than 35 hours/week, paid)
## 11:     Employed part time (fewer than 35 hours/week, paid)
## 12:     Employed part time (fewer than 35 hours/week, paid)
## 13:     Employed part time (fewer than 35 hours/week, paid)
## 14:     Employed part time (fewer than 35 hours/week, paid)
## 15:      Self-employed
## 16:      Self-employed
## 17:      Self-employed
## 18:      Self-employed
## 19:      Self-employed
## 20:      Self-employed
## 21:      Self-employed
## 22:      Unpaid volunteer or intern
## 23:      Unpaid volunteer or intern
## 24:      Unpaid volunteer or intern
## 25:      Unpaid volunteer or intern
## 26:      Unpaid volunteer or intern
## 27:      Unpaid volunteer or intern
## 28:      Unpaid volunteer or intern
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36:      Unemployed and looking for work
## 37:      Unemployed and looking for work
## 38:      Unemployed and looking for work
## 39:      Unemployed and looking for work
## 40:      Unemployed and looking for work
## 41:      Unemployed and looking for work
## 42:      Unemployed and looking for work
## 43:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 44:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 45:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 46:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 47:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 48:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 49:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 50:      Missing: Skip Logic
## 51:      Missing: Skip Logic
## 52:      Missing: Skip Logic
## 53:      Missing: Skip Logic
## 54:      Missing: Skip Logic

```

## 55:					Missing: Skip Logic
## 56:					Missing: Skip Logic
##					employment
##	num_trips	count	prop	est	
## 1:	Exactly 0	1652	0.148748424	1652	
## 2:	0-2	2701	0.243201873	2701	
## 3:	2-4	2929	0.263731316	2929	
## 4:	4-6	1997	0.179812714	1997	
## 5:	6-8	1126	0.101386638	1126	
## 6:	8-10	540	0.048622366	540	
## 7:	10 or more	161	0.014496668	161	
## 8:	Exactly 0	309	0.159114315	309	
## 9:	0-2	454	0.233779609	454	
## 10:	2-4	481	0.247682801	481	
## 11:	4-6	339	0.174562307	339	
## 12:	6-8	210	0.108135942	210	
## 13:	8-10	115	0.059217302	115	
## 14:	10 or more	34	0.017507724	34	
## 15:	Exactly 0	265	0.199248120	265	
## 16:	0-2	283	0.212781955	283	
## 17:	2-4	317	0.238345865	317	
## 18:	4-6	244	0.183458647	244	
## 19:	6-8	128	0.096240602	128	
## 20:	8-10	65	0.048872180	65	
## 21:	10 or more	28	0.021052632	28	
## 22:	Exactly 0	25	0.141242938	25	
## 23:	0-2	49	0.276836158	49	
## 24:	2-4	51	0.288135593	51	
## 25:	4-6	30	0.169491525	30	
## 26:	6-8	13	0.073446328	13	
## 27:	8-10	8	0.045197740	8	
## 28:	10 or more	1	0.005649718	1	
## 29:	Exactly 0	1541	0.277908025	1541	
## 30:	0-2	1247	0.224887286	1247	
## 31:	2-4	1208	0.217853922	1208	
## 32:	4-6	823	0.148422002	823	
## 33:	6-8	435	0.078449053	435	
## 34:	8-10	231	0.041659152	231	
## 35:	10 or more	60	0.010820559	60	
## 36:	Exactly 0	327	0.302497687	327	
## 37:	0-2	247	0.228492137	247	
## 38:	2-4	246	0.227567068	246	
## 39:	4-6	122	0.112858464	122	
## 40:	6-8	74	0.068455134	74	
## 41:	8-10	46	0.042553191	46	
## 42:	10 or more	19	0.017576318	19	
## 43:	Exactly 0	54	0.278350515	54	
## 44:	0-2	48	0.247422680	48	
## 45:	2-4	37	0.190721649	37	
## 46:	4-6	29	0.149484536	29	
## 47:	6-8	15	0.077319588	15	
## 48:	8-10	7	0.036082474	7	
## 49:	10 or more	4	0.020618557	4	
## 50:	Exactly 0	1291	0.356137931	1291	

```

## 51:      0-2   1126 0.310620690 1126
## 52:      2-4    733 0.202206897  733
## 53:      4-6    302 0.083310345  302
## 54:      6-8    115 0.031724138  115
## 55:      8-10    40 0.011034483   40
## 56: 10 or more    18 0.004965517   18
##      num_trips count      prop est
##
## $cat_summary$weight_name
## [1] "day_weight"
##
## $cat_summary$unwtd
##
##                                     employment
## 1:                               Employed full time (35+ hours/week, paid)
## 2:                               Employed full time (35+ hours/week, paid)
## 3:                               Employed full time (35+ hours/week, paid)
## 4:                               Employed full time (35+ hours/week, paid)
## 5:                               Employed full time (35+ hours/week, paid)
## 6:                               Employed full time (35+ hours/week, paid)
## 7:                               Employed full time (35+ hours/week, paid)
## 8:                               Employed part time (fewer than 35 hours/week, paid)
## 9:                               Employed part time (fewer than 35 hours/week, paid)
## 10:                              Employed part time (fewer than 35 hours/week, paid)
## 11:                              Employed part time (fewer than 35 hours/week, paid)
## 12:                              Employed part time (fewer than 35 hours/week, paid)
## 13:                              Employed part time (fewer than 35 hours/week, paid)
## 14:                              Employed part time (fewer than 35 hours/week, paid)
## 15:                              Self-employed
## 16:                              Self-employed
## 17:                              Self-employed
## 18:                              Self-employed
## 19:                              Self-employed
## 20:                              Self-employed
## 21:                              Self-employed
## 22:                              Unpaid volunteer or intern
## 23:                              Unpaid volunteer or intern
## 24:                              Unpaid volunteer or intern
## 25:                              Unpaid volunteer or intern
## 26:                              Unpaid volunteer or intern
## 27:                              Unpaid volunteer or intern
## 28:                              Unpaid volunteer or intern
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36:                              Unemployed and looking for work
## 37:                              Unemployed and looking for work
## 38:                              Unemployed and looking for work
## 39:                              Unemployed and looking for work
## 40:                              Unemployed and looking for work
## 41:                              Unemployed and looking for work

```

```

## 42: Unemployed and looking for work
## 43: Employed but not currently working (e.g., on leave, furloughed 100%)
## 44: Employed but not currently working (e.g., on leave, furloughed 100%)
## 45: Employed but not currently working (e.g., on leave, furloughed 100%)
## 46: Employed but not currently working (e.g., on leave, furloughed 100%)
## 47: Employed but not currently working (e.g., on leave, furloughed 100%)
## 48: Employed but not currently working (e.g., on leave, furloughed 100%)
## 49: Employed but not currently working (e.g., on leave, furloughed 100%)
## 50: Missing: Skip Logic
## 51: Missing: Skip Logic
## 52: Missing: Skip Logic
## 53: Missing: Skip Logic
## 54: Missing: Skip Logic
## 55: Missing: Skip Logic
## 56: Missing: Skip Logic
## employment
##      num_trips count      prop
## 1: Exactly 0 1652 0.148748424
## 2:      0-2 2701 0.243201873
## 3:      2-4 2929 0.263731316
## 4:      4-6 1997 0.179812714
## 5:      6-8 1126 0.101386638
## 6:      8-10 540 0.048622366
## 7: 10 or more 161 0.014496668
## 8: Exactly 0 309 0.159114315
## 9:      0-2 454 0.233779609
## 10:     2-4 481 0.247682801
## 11:     4-6 339 0.174562307
## 12:     6-8 210 0.108135942
## 13:     8-10 115 0.059217302
## 14: 10 or more 34 0.017507724
## 15: Exactly 0 265 0.199248120
## 16:     0-2 283 0.212781955
## 17:     2-4 317 0.238345865
## 18:     4-6 244 0.183458647
## 19:     6-8 128 0.096240602
## 20:     8-10 65 0.048872180
## 21: 10 or more 28 0.021052632
## 22: Exactly 0 25 0.141242938
## 23:     0-2 49 0.276836158
## 24:     2-4 51 0.288135593
## 25:     4-6 30 0.169491525
## 26:     6-8 13 0.073446328
## 27:     8-10 8 0.045197740
## 28: 10 or more 1 0.005649718
## 29: Exactly 0 1541 0.277908025
## 30:     0-2 1247 0.224887286
## 31:     2-4 1208 0.217853922
## 32:     4-6 823 0.148422002
## 33:     6-8 435 0.078449053
## 34:     8-10 231 0.041659152
## 35: 10 or more 60 0.010820559
## 36: Exactly 0 327 0.302497687
## 37:     0-2 247 0.228492137

```



```

## 38:      2-4    246 0.227567068
## 39:      4-6    122 0.112858464
## 40:      6-8     74 0.068455134
## 41:      8-10    46 0.042553191
## 42: 10 or more    19 0.017576318
## 43: Exactly 0     54 0.278350515
## 44:      0-2     48 0.247422680
## 45:      2-4     37 0.190721649
## 46:      4-6     29 0.149484536
## 47:      6-8     15 0.077319588
## 48:      8-10     7 0.036082474
## 49: 10 or more     4 0.020618557
## 50: Exactly 0   1291 0.356137931
## 51:      0-2   1126 0.310620690
## 52:      2-4    733 0.202206897
## 53:      4-6    302 0.083310345
## 54:      6-8    115 0.031724138
## 55:      8-10    40 0.011034483
## 56: 10 or more    18 0.004965517
##      num_trips count      prop
##
##
## $num_summary
## $num_summary$unwtd
##
##                                     employment
## 1:                                     Employed full time (35+ hours/week, paid)
## 2:                                     Employed part time (fewer than 35 hours/week, paid)
## 3:                                     Self-employed
## 4:                                     Unpaid volunteer or intern
## 5: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 6:                                     Unemployed and looking for work
## 7:                                     Employed but not currently working (e.g., on leave, furloughed 100%)
## 8:                                     Missing: Skip Logic
##      count min max      mean  mean_se median
## 1: 11106    0 11 3.750585 0.02572387      3
## 2:  1942    0 11 3.843460 0.06452306      4
## 3:  1330    0 11 3.669173 0.07899704      3
## 4:   177    0 11 3.502825 0.19128232      3
## 5:  5545    0 11 3.098106 0.03765768      2
## 6:  1081    0 11 2.945421 0.08626552      2
## 7:   194    0 11 3.077320 0.20656566      2
## 8:  3625    0 11 2.093241 0.03684303      2
##
## $num_summary$wtd
##
##                                     employment
## 1:                                     Employed full time (35+ hours/week, paid)
## 2:                                     Employed part time (fewer than 35 hours/week, paid)
## 3:                                     Self-employed
## 4:                                     Unpaid volunteer or intern
## 5: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 6:                                     Unemployed and looking for work
## 7:                                     Employed but not currently working (e.g., on leave, furloughed 100%)
## 8:                                     Missing: Skip Logic
##      count min max      mean  mean_se median

```

```
## 1: 11106 0 11 3.750585 0.02572387 3
## 2: 1942 0 11 3.843460 0.06452306 4
## 3: 1330 0 11 3.669173 0.07899704 3
## 4: 177 0 11 3.502825 0.19128232 3
## 5: 5545 0 11 3.098106 0.03765768 2
## 6: 1081 0 11 2.945421 0.08626552 2
## 7: 194 0 11 3.077320 0.20656566 2
## 8: 3625 0 11 2.093241 0.03684303 2
##
##
## $outliers
## threshold num_removed min_outlier max_outlier
## 1: 0.975 738 12 75
##
## $var_is_shared
## NULL
##
## $summarize_var
## [1] "num_trips"
##
## $summarize_var_desc
## [1] "Household, person, or person-day number of trips"
##
## $summarize_by
## [1] "employment"
##
## $summarize_by_desc
## [1] "Employment status"
```

```
hts_summary(hts_data = hts_data, summarize_var = 'speed_mph', summarize_by = 'employment', variables_dt
```

```
## Creating a summary of trip speed_mph broken down by person employment
```

```
## $n_ls
## $n_ls$unwtd
## $n_ls$unwtd$Households
## [1] 4347
##
## $n_ls$unwtd$Persons
## [1] 7662
##
## $n_ls$unwtd$Days
## [1] 20177
##
## $n_ls$unwtd$Trips
## [1] 91841
##
##
## $n_ls$wtd
## $n_ls$wtd$Trips
## [1] 91841
##
## $n_ls$wtd$Persons
```

```

## [1] 91841
##
##
## $n_ls$units
## [1] "trips"
##
##
## $cat_summary
## $cat_summary$wtd
##
##
## 1:      Employed full time (35+ hours/week, paid)
## 2:      Employed full time (35+ hours/week, paid)
## 3:      Employed full time (35+ hours/week, paid)
## 4:      Employed full time (35+ hours/week, paid)
## 5:      Employed full time (35+ hours/week, paid)
## 6:      Employed full time (35+ hours/week, paid)
## 7:      Employed full time (35+ hours/week, paid)
## 8:      Employed part time (fewer than 35 hours/week, paid)
## 9:      Employed part time (fewer than 35 hours/week, paid)
## 10:     Employed part time (fewer than 35 hours/week, paid)
## 11:     Employed part time (fewer than 35 hours/week, paid)
## 12:     Employed part time (fewer than 35 hours/week, paid)
## 13:     Employed part time (fewer than 35 hours/week, paid)
## 14:     Employed part time (fewer than 35 hours/week, paid)
## 15:      Self-employed
## 16:      Self-employed
## 17:      Self-employed
## 18:      Self-employed
## 19:      Self-employed
## 20:      Self-employed
## 21:      Self-employed
## 22:      Unpaid volunteer or intern
## 23:      Unpaid volunteer or intern
## 24:      Unpaid volunteer or intern
## 25:      Unpaid volunteer or intern
## 26:      Unpaid volunteer or intern
## 27:      Unpaid volunteer or intern
## 28:      Unpaid volunteer or intern
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36:      Unemployed and looking for work
## 37:      Unemployed and looking for work
## 38:      Unemployed and looking for work
## 39:      Unemployed and looking for work
## 40:      Unemployed and looking for work
## 41:      Unemployed and looking for work
## 42:      Unemployed and looking for work
## 43:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 44:      Employed but not currently working (e.g., on leave, furloughed 100%)

```

```

## 45:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 46:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 47:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 48:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 49:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 50:                                           Missing: Skip Logic
## 51:                                           Missing: Skip Logic
## 52:                                           Missing: Skip Logic
## 53:                                           Missing: Skip Logic
## 54:                                           Missing: Skip Logic
## 55:                                           Missing: Skip Logic
## 56:                                           Missing: Skip Logic
##
##      speed_mph count      prop      est
## 1:  1 or less  1978 0.04313127  1978
## 2:      1-10 20999 0.45789359 20999
## 3:     10-19 10661 0.23246838 10661
## 4:     19-28  6265 0.13661143  6265
## 5:     28-37  3157 0.06883995  3157
## 6:     37-46  1514 0.03301352  1514
## 7: 46 or more  1286 0.02804187  1286
## 8:  1 or less   368 0.04267161   368
## 9:      1-10  3820 0.44294991  3820
## 10:     10-19  2113 0.24501391  2113
## 11:     19-28  1301 0.15085807  1301
## 12:     28-37   579 0.06713822   579
## 13:     37-46   258 0.02991651   258
## 14: 46 or more   185 0.02145176   185
## 15:  1 or less   263 0.04297386   263
## 16:      1-10  2528 0.41307190  2528
## 17:     10-19  1628 0.26601307  1628
## 18:     19-28   929 0.15179739   929
## 19:     28-37   436 0.07124183   436
## 20:     37-46   184 0.03006536   184
## 21: 46 or more   152 0.02483660   152
## 22:  1 or less    45 0.06189821    45
## 23:      1-10   371 0.51031637   371
## 24:     10-19   143 0.19669876   143
## 25:     19-28    89 0.12242091    89
## 26:     28-37    45 0.06189821    45
## 27:     37-46    17 0.02338377    17
## 28: 46 or more    17 0.02338377    17
## 29:  1 or less   925 0.04965110   925
## 30:      1-10  8435 0.45276436  8435
## 31:     10-19  4619 0.24793344  4619
## 32:     19-28  2577 0.13832528  2577
## 33:     28-37  1131 0.06070853  1131
## 34:     37-46   497 0.02667740   497
## 35: 46 or more   446 0.02393988   446
## 36:  1 or less   186 0.05104281   186
## 37:      1-10  1832 0.50274424  1832
## 38:     10-19   797 0.21871570   797
## 39:     19-28   437 0.11992316   437
## 40:     28-37   200 0.05488474   200

```

```

## 41:      37-46      94 0.02579583      94
## 42: 46 or more      98 0.02689352      98
## 43: 1 or less      31 0.05335628      31
## 44:      1-10     260 0.44750430     260
## 45:      10-19     169 0.29087780     169
## 46:      19-28      63 0.10843373      63
## 47:      28-37      26 0.04475043      26
## 48:      37-46      15 0.02581756      15
## 49: 46 or more      17 0.02925990      17
## 50: 1 or less     301 0.03932071     301
## 51:      1-10    3082 0.40261267    3082
## 52:      10-19   2099 0.27419987   2099
## 53:      19-28   1127 0.14722404   1127
## 54:      28-37    584 0.07629001    584
## 55:      37-46    260 0.03396473    260
## 56: 46 or more    202 0.02638798    202
##      speed_mph count      prop      est
##
## $cat_summary$weight_name
## [1] "trip_weight"
##
## $cat_summary$unwtd
##
##                                     employment
## 1:                               Employed full time (35+ hours/week, paid)
## 2:                               Employed full time (35+ hours/week, paid)
## 3:                               Employed full time (35+ hours/week, paid)
## 4:                               Employed full time (35+ hours/week, paid)
## 5:                               Employed full time (35+ hours/week, paid)
## 6:                               Employed full time (35+ hours/week, paid)
## 7:                               Employed full time (35+ hours/week, paid)
## 8:                               Employed part time (fewer than 35 hours/week, paid)
## 9:                               Employed part time (fewer than 35 hours/week, paid)
## 10:                              Employed part time (fewer than 35 hours/week, paid)
## 11:                              Employed part time (fewer than 35 hours/week, paid)
## 12:                              Employed part time (fewer than 35 hours/week, paid)
## 13:                              Employed part time (fewer than 35 hours/week, paid)
## 14:                              Employed part time (fewer than 35 hours/week, paid)
## 15:                              Self-employed
## 16:                              Self-employed
## 17:                              Self-employed
## 18:                              Self-employed
## 19:                              Self-employed
## 20:                              Self-employed
## 21:                              Self-employed
## 22:                              Unpaid volunteer or intern
## 23:                              Unpaid volunteer or intern
## 24:                              Unpaid volunteer or intern
## 25:                              Unpaid volunteer or intern
## 26:                              Unpaid volunteer or intern
## 27:                              Unpaid volunteer or intern
## 28:                              Unpaid volunteer or intern
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)

```

```

## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 36: Unemployed and looking for work
## 37: Unemployed and looking for work
## 38: Unemployed and looking for work
## 39: Unemployed and looking for work
## 40: Unemployed and looking for work
## 41: Unemployed and looking for work
## 42: Unemployed and looking for work
## 43: Employed but not currently working (e.g., on leave, furloughed 100%)
## 44: Employed but not currently working (e.g., on leave, furloughed 100%)
## 45: Employed but not currently working (e.g., on leave, furloughed 100%)
## 46: Employed but not currently working (e.g., on leave, furloughed 100%)
## 47: Employed but not currently working (e.g., on leave, furloughed 100%)
## 48: Employed but not currently working (e.g., on leave, furloughed 100%)
## 49: Employed but not currently working (e.g., on leave, furloughed 100%)
## 50: Missing: Skip Logic
## 51: Missing: Skip Logic
## 52: Missing: Skip Logic
## 53: Missing: Skip Logic
## 54: Missing: Skip Logic
## 55: Missing: Skip Logic
## 56: Missing: Skip Logic
## employment
## speed_mph count prop
## 1: 1 or less 1978 0.04313127
## 2: 1-10 20999 0.45789359
## 3: 10-19 10661 0.23246838
## 4: 19-28 6265 0.13661143
## 5: 28-37 3157 0.06883995
## 6: 37-46 1514 0.03301352
## 7: 46 or more 1286 0.02804187
## 8: 1 or less 368 0.04267161
## 9: 1-10 3820 0.44294991
## 10: 10-19 2113 0.24501391
## 11: 19-28 1301 0.15085807
## 12: 28-37 579 0.06713822
## 13: 37-46 258 0.02991651
## 14: 46 or more 185 0.02145176
## 15: 1 or less 263 0.04297386
## 16: 1-10 2528 0.41307190
## 17: 10-19 1628 0.26601307
## 18: 19-28 929 0.15179739
## 19: 28-37 436 0.07124183
## 20: 37-46 184 0.03006536
## 21: 46 or more 152 0.02483660
## 22: 1 or less 45 0.06189821
## 23: 1-10 371 0.51031637
## 24: 10-19 143 0.19669876
## 25: 19-28 89 0.12242091
## 26: 28-37 45 0.06189821
## 27: 37-46 17 0.02338377

```

```

## 28: 46 or more      17 0.02338377
## 29:  1 or less     925 0.04965110
## 30:      1-10    8435 0.45276436
## 31:     10-19    4619 0.24793344
## 32:     19-28    2577 0.13832528
## 33:     28-37    1131 0.06070853
## 34:     37-46     497 0.02667740
## 35: 46 or more     446 0.02393988
## 36:  1 or less     186 0.05104281
## 37:      1-10    1832 0.50274424
## 38:     10-19     797 0.21871570
## 39:     19-28     437 0.11992316
## 40:     28-37     200 0.05488474
## 41:     37-46      94 0.02579583
## 42: 46 or more      98 0.02689352
## 43:  1 or less      31 0.05335628
## 44:      1-10     260 0.44750430
## 45:     10-19     169 0.29087780
## 46:     19-28      63 0.10843373
## 47:     28-37      26 0.04475043
## 48:     37-46      15 0.02581756
## 49: 46 or more      17 0.02925990
## 50:  1 or less     301 0.03932071
## 51:      1-10    3082 0.40261267
## 52:     10-19    2099 0.27419987
## 53:     19-28    1127 0.14722404
## 54:     28-37     584 0.07629001
## 55:     37-46     260 0.03396473
## 56: 46 or more     202 0.02638798
##      speed_mph count      prop
##
##
## $num_summary
## $num_summary$unwtd
##
##                               employment
## 1:                               Employed full time (35+ hours/week, paid)
## 2:                               Employed part time (fewer than 35 hours/week, paid)
## 3:                               Self-employed
## 4:                               Unpaid volunteer or intern
## 5: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 6:                               Unemployed and looking for work
## 7:                               Employed but not currently working (e.g., on leave, furloughed 100%)
## 8:                               Missing: Skip Logic
##      count min      max      mean      mean_se      median
## 1: 45860   0 142.1266 13.77292 0.06477651  9.961693
## 2:  8624   0 139.4879 13.69470 0.14499222 10.385517
## 3:  6120   0 140.7859 14.26139 0.17110045 11.367973
## 4:   727   0 125.9293 12.34289 0.51862865  7.765029
## 5: 18630   0 141.4865 13.37187 0.09980936  9.913542
## 6:  3644   0 136.7767 12.60543 0.23704110  8.139776
## 7:   581   0 122.8881 13.32449 0.63310976  9.881315
## 8:  7655   0 141.4865 14.82544 0.15560910 11.761077
##
## $num_summary$wtd

```

```
##
## 1:                               employment
## 2:                               Employed full time (35+ hours/week, paid)
## 3:                               Employed part time (fewer than 35 hours/week, paid)
## 4:                               Self-employed
## 5:                               Unpaid volunteer or intern
## 6: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 7:                               Unemployed and looking for work
## 8:                               Employed but not currently working (e.g., on leave, furloughed 100%)
##                               Missing: Skip Logic
```

```
##      count min      max      mean      mean_se      median
## 1: 45860   0 142.1266 13.77292 0.06477651   9.961693
## 2:  8624   0 139.4879 13.69470 0.14499222  10.385517
## 3:  6120   0 140.7859 14.26139 0.17110045  11.367973
## 4:   727   0 125.9293 12.34289 0.51862865   7.765029
## 5: 18630   0 141.4865 13.37187 0.09980936   9.913542
## 6:  3644   0 136.7767 12.60543 0.23704110   8.139776
## 7:   581   0 122.8881 13.32449 0.63310976   9.881315
## 8:  7655   0 141.4865 14.82544 0.15560910  11.761077
```

```
##
##
## $outliers
##      threshold num_removed min_outlier max_outlier
## 1:      0.975         2355    142.7107    28345664
```

```
##
## $var_is_shared
## NULL
##
## $summarize_var
## [1] "speed_mph"
##
## $summarize_var_desc
## [1] "Trip speed in miles per hour (derived)"
##
## $summarize_by
## [1] "employment"
##
## $summarize_by_desc
## [1] "Employment status"
```

```
hts_summary(hts_data = hts_data, summarize_var = 'race', summarize_by = 'employment', variables_dt = va
```

```
## Creating a summary of person race broken down by person employment
```

```
## $n_ls
## $n_ls$unwtd
## $n_ls$unwtd$Households
## [1] 4662
##
## $n_ls$unwtd$Persons
## [1] 7612
##
##
## $n_ls$wtd
```



```

## $n_ls$wtd$Persons
## [1] 53284
##
##
## $n_ls$units
## [1] "persons"
##
##
## $cat_summary
## $cat_summary$wtd
##
##                                     employment
## 1:                               Employed full time (35+ hours/week, paid)
## 2:                               Employed full time (35+ hours/week, paid)
## 3:                               Employed full time (35+ hours/week, paid)
## 4:                               Employed full time (35+ hours/week, paid)
## 5:                               Employed full time (35+ hours/week, paid)
## 6:                               Employed full time (35+ hours/week, paid)
## 7:                               Employed full time (35+ hours/week, paid)
## 8:                               Employed part time (fewer than 35 hours/week, paid)
## 9:                               Employed part time (fewer than 35 hours/week, paid)
## 10:                              Employed part time (fewer than 35 hours/week, paid)
## 11:                              Employed part time (fewer than 35 hours/week, paid)
## 12:                              Employed part time (fewer than 35 hours/week, paid)
## 13:                              Employed part time (fewer than 35 hours/week, paid)
## 14:                              Employed part time (fewer than 35 hours/week, paid)
## 15:                              Self-employed
## 16:                              Self-employed
## 17:                              Self-employed
## 18:                              Self-employed
## 19:                              Self-employed
## 20:                              Self-employed
## 21:                              Self-employed
## 22:                              Unpaid volunteer or intern
## 23:                              Unpaid volunteer or intern
## 24:                              Unpaid volunteer or intern
## 25:                              Unpaid volunteer or intern
## 26:                              Unpaid volunteer or intern
## 27:                              Unpaid volunteer or intern
## 28: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35:                              Unemployed and looking for work
## 36:                              Unemployed and looking for work
## 37:                              Unemployed and looking for work
## 38:                              Unemployed and looking for work
## 39:                              Unemployed and looking for work
## 40:                              Unemployed and looking for work
## 41:                              Unemployed and looking for work
## 42:                               Employed but not currently working (e.g., on leave, furloughed 100%)
## 43:                               Employed but not currently working (e.g., on leave, furloughed 100%)

```

```

## 44:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 45:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 46:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 47:      Employed but not currently working (e.g., on leave, furloughed 100%)
## 48:      Employed but not currently working (e.g., on leave, furloughed 100%)
##
##                                     employment
##                                     race count      prop  est
##  1:      Race -- African American or Black    128 0.031151132 128
##  2:      Race -- American Indian or Alaska Native    50 0.012168411  50
##  3:      Race -- Asian    845 0.205646143 845
##  4: Race -- Native Hawaiian or Pacific Islander    49 0.011925043  49
##  5:      Race -- Prefer not to answer    399 0.097103918 399
##  6:      Race -- Other    98 0.023850085  98
##  7:      Race -- White    2540 0.618155269 2540
##  8:      Race -- African American or Black    28 0.040756914  28
##  9:      Race -- American Indian or Alaska Native    8 0.011644833   8
## 10:      Race -- Asian    105 0.152838428 105
## 11: Race -- Native Hawaiian or Pacific Islander    10 0.014556041  10
## 12:      Race -- Prefer not to answer    70 0.101892285  70
## 13:      Race -- Other    10 0.014556041  10
## 14:      Race -- White    456 0.663755459 456
## 15:      Race -- African American or Black    10 0.020661157  10
## 16:      Race -- American Indian or Alaska Native    10 0.020661157  10
## 17:      Race -- Asian    58 0.119834711  58
## 18: Race -- Native Hawaiian or Pacific Islander    1 0.002066116   1
## 19:      Race -- Prefer not to answer    51 0.105371901  51
## 20:      Race -- Other    13 0.026859504  13
## 21:      Race -- White    341 0.704545455 341
## 22:      Race -- African American or Black    5 0.062500000   5
## 23:      Race -- American Indian or Alaska Native    6 0.075000000   6
## 24:      Race -- Asian    11 0.137500000  11
## 25:      Race -- Prefer not to answer    9 0.112500000   9
## 26:      Race -- Other    4 0.050000000   4
## 27:      Race -- White    45 0.562500000  45
## 28:      Race -- African American or Black    58 0.026161479  58
## 29:      Race -- American Indian or Alaska Native    35 0.015787100  35
## 30:      Race -- Asian    294 0.132611637 294
## 31: Race -- Native Hawaiian or Pacific Islander    14 0.006314840  14
## 32:      Race -- Prefer not to answer    214 0.096526838 214
## 33:      Race -- Other    39 0.017591340  39
## 34:      Race -- White    1563 0.705006766 1563
## 35:      Race -- African American or Black    35 0.090206186  35
## 36:      Race -- American Indian or Alaska Native    9 0.023195876   9
## 37:      Race -- Asian    70 0.180412371  70
## 38: Race -- Native Hawaiian or Pacific Islander    7 0.018041237   7
## 39:      Race -- Prefer not to answer    41 0.105670103  41
## 40:      Race -- Other    12 0.030927835  12
## 41:      Race -- White    214 0.551546392 214
## 42:      Race -- African American or Black    2 0.028985507   2
## 43:      Race -- American Indian or Alaska Native    1 0.014492754   1
## 44:      Race -- Asian    13 0.188405797  13
## 45: Race -- Native Hawaiian or Pacific Islander    4 0.057971014   4
## 46:      Race -- Prefer not to answer    7 0.101449275   7
## 47:      Race -- Other    3 0.043478261   3

```

```

## 48:          Race -- White      39 0.565217391    39
##                               race count      prop  est
##
## $cat_summary$weight_name
## [1] "person_weight"
##
## $cat_summary$unwtd
##                               employment
## 1:          Employed full time (35+ hours/week, paid)
## 2:          Employed full time (35+ hours/week, paid)
## 3:          Employed full time (35+ hours/week, paid)
## 4:          Employed full time (35+ hours/week, paid)
## 5:          Employed full time (35+ hours/week, paid)
## 6:          Employed full time (35+ hours/week, paid)
## 7:          Employed full time (35+ hours/week, paid)
## 8:          Employed part time (fewer than 35 hours/week, paid)
## 9:          Employed part time (fewer than 35 hours/week, paid)
## 10:         Employed part time (fewer than 35 hours/week, paid)
## 11:         Employed part time (fewer than 35 hours/week, paid)
## 12:         Employed part time (fewer than 35 hours/week, paid)
## 13:         Employed part time (fewer than 35 hours/week, paid)
## 14:         Employed part time (fewer than 35 hours/week, paid)
## 15:         Self-employed
## 16:         Self-employed
## 17:         Self-employed
## 18:         Self-employed
## 19:         Self-employed
## 20:         Self-employed
## 21:         Self-employed
## 22:         Unpaid volunteer or intern
## 23:         Unpaid volunteer or intern
## 24:         Unpaid volunteer or intern
## 25:         Unpaid volunteer or intern
## 26:         Unpaid volunteer or intern
## 27:         Unpaid volunteer or intern
## 28: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 29: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 32: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 33: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 34: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 35:         Unemployed and looking for work
## 36:         Unemployed and looking for work
## 37:         Unemployed and looking for work
## 38:         Unemployed and looking for work
## 39:         Unemployed and looking for work
## 40:         Unemployed and looking for work
## 41:         Unemployed and looking for work
## 42:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 43:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 44:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 45:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 46:         Employed but not currently working (e.g., on leave, furloughed 100%)

```

```

## 47:          Employed but not currently working (e.g., on leave, furloughed 100%)
## 48:          Employed but not currently working (e.g., on leave, furloughed 100%)
##                                     employment
##                                     race count      prop
## 1:          Race -- African American or Black    128 0.031151132
## 2:    Race -- American Indian or Alaska Native     50 0.012168411
## 3:          Race -- Asian                        845 0.205646143
## 4: Race -- Native Hawaiian or Pacific Islander     49 0.011925043
## 5:          Race -- Prefer not to answer          399 0.097103918
## 6:          Race -- Other                         98 0.023850085
## 7:          Race -- White                       2540 0.618155269
## 8:          Race -- African American or Black      28 0.040756914
## 9:    Race -- American Indian or Alaska Native      8 0.011644833
## 10:          Race -- Asian                       105 0.152838428
## 11: Race -- Native Hawaiian or Pacific Islander    10 0.014556041
## 12:          Race -- Prefer not to answer          70 0.101892285
## 13:          Race -- Other                        10 0.014556041
## 14:          Race -- White                       456 0.663755459
## 15:          Race -- African American or Black     10 0.020661157
## 16:    Race -- American Indian or Alaska Native    10 0.020661157
## 17:          Race -- Asian                        58 0.119834711
## 18: Race -- Native Hawaiian or Pacific Islander     1 0.002066116
## 19:          Race -- Prefer not to answer          51 0.105371901
## 20:          Race -- Other                        13 0.026859504
## 21:          Race -- White                       341 0.704545455
## 22:          Race -- African American or Black      5 0.062500000
## 23:    Race -- American Indian or Alaska Native     6 0.075000000
## 24:          Race -- Asian                       11 0.137500000
## 25:          Race -- Prefer not to answer           9 0.112500000
## 26:          Race -- Other                        4 0.050000000
## 27:          Race -- White                       45 0.562500000
## 28:          Race -- African American or Black     58 0.026161479
## 29:    Race -- American Indian or Alaska Native    35 0.015787100
## 30:          Race -- Asian                       294 0.132611637
## 31: Race -- Native Hawaiian or Pacific Islander    14 0.006314840
## 32:          Race -- Prefer not to answer          214 0.096526838
## 33:          Race -- Other                        39 0.017591340
## 34:          Race -- White                      1563 0.705006766
## 35:          Race -- African American or Black     35 0.090206186
## 36:    Race -- American Indian or Alaska Native     9 0.023195876
## 37:          Race -- Asian                        70 0.180412371
## 38: Race -- Native Hawaiian or Pacific Islander     7 0.018041237
## 39:          Race -- Prefer not to answer          41 0.105670103
## 40:          Race -- Other                        12 0.030927835
## 41:          Race -- White                      214 0.551546392
## 42:          Race -- African American or Black      2 0.028985507
## 43:    Race -- American Indian or Alaska Native     1 0.014492754
## 44:          Race -- Asian                       13 0.188405797
## 45: Race -- Native Hawaiian or Pacific Islander     4 0.057971014
## 46:          Race -- Prefer not to answer           7 0.101449275
## 47:          Race -- Other                        3 0.043478261
## 48:          Race -- White                       39 0.565217391
##                                     race count      prop
##

```

```

##
## $num_summary
## NULL
##
## $outliers
## NULL
##
## $var_is_shared
## [1] TRUE
##
## $summarize_var
## [1] "race"
##
## $summarize_var_desc
## [1] "Race -- African American or Black"
## [2] "Race -- American Indian or Alaska Native"
## [3] "Race -- Asian"
## [4] "Race -- Native Hawaiian or Pacific Islander"
## [5] "Race -- Prefer not to answer"
## [6] "Race -- Other"
## [7] "Race -- White"
##
## $summarize_by
## [1] "employment"
##
## $summarize_by_desc
## [1] "Employment status"

hts_summary(hts_data = hts_data, summarize_var = 'employment', summarize_by = 'race', variables_dt = va

## Creating a summary of person employment broken down by person race

## $n_ls
## $n_ls$unwtd
## $n_ls$unwtd$Households
## [1] 4662
##
## $n_ls$unwtd$Persons
## [1] 7612
##
##
## $n_ls$wtd
## $n_ls$wtd$Persons
## [1] 7612
##
##
## $n_ls$units
## [1] "persons"
##
##
## $cat_summary
## $cat_summary$wtd
##
race

```

```

## 1:          Race -- African American or Black
## 2:          Race -- African American or Black
## 3:          Race -- African American or Black
## 4:          Race -- African American or Black
## 5:          Race -- African American or Black
## 6:          Race -- African American or Black
## 7:          Race -- African American or Black
## 8:    Race -- American Indian or Alaska Native
## 9:    Race -- American Indian or Alaska Native
## 10:   Race -- American Indian or Alaska Native
## 11:   Race -- American Indian or Alaska Native
## 12:   Race -- American Indian or Alaska Native
## 13:                                     Race -- Asian
## 14:                                     Race -- Asian
## 15:                                     Race -- Asian
## 16:                                     Race -- Asian
## 17:                                     Race -- Asian
## 18:                                     Race -- Asian
## 19:                                     Race -- Asian
## 20: Race -- Native Hawaiian or Pacific Islander
## 21: Race -- Native Hawaiian or Pacific Islander
## 22: Race -- Native Hawaiian or Pacific Islander
## 23: Race -- Native Hawaiian or Pacific Islander
## 24: Race -- Native Hawaiian or Pacific Islander
## 25: Race -- Native Hawaiian or Pacific Islander
## 26:                                     Race -- White
## 27:                                     Race -- White
## 28:                                     Race -- White
## 29:                                     Race -- White
## 30:                                     Race -- White
## 31:                                     Race -- White
## 32:                                     Race -- White
## 33:                                     Two or more
## 34:                                     Two or more
## 35:                                     Two or more
## 36:                                     Two or more
## 37:                                     Two or more
## 38:                                     Two or more
## 39:                                     Two or more
## 40:          Race -- Prefer not to answer
## 41:          Race -- Prefer not to answer
## 42:          Race -- Prefer not to answer
## 43:          Race -- Prefer not to answer
## 44:          Race -- Prefer not to answer
## 45:          Race -- Prefer not to answer
## 46:          Race -- Prefer not to answer
## 47:          Race -- Other
## 48:          Race -- Other
## 49:          Race -- Other
## 50:          Race -- Other
## 51:          Race -- Other
## 52:          Race -- Other
## 53:          Race -- Other
##                                     race

```

```

##                                     employment
## 1:                               Employed full time (35+ hours/week, paid)
## 2:                               Employed part time (fewer than 35 hours/week, paid)
## 3:                               Self-employed
## 4:                               Unpaid volunteer or intern
## 5: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 6:                               Unemployed and looking for work
## 7:                               Employed but not currently working (e.g., on leave, furloughed 100%)
## 8:                               Employed full time (35+ hours/week, paid)
## 9:                               Employed part time (fewer than 35 hours/week, paid)
## 10:                              Self-employed
## 11:                              Unpaid volunteer or intern
## 12: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 13:                              Employed full time (35+ hours/week, paid)
## 14:                              Employed part time (fewer than 35 hours/week, paid)
## 15:                              Self-employed
## 16:                              Unpaid volunteer or intern
## 17: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 18:                              Unemployed and looking for work
## 19:                              Employed but not currently working (e.g., on leave, furloughed 100%)
## 20:                              Employed full time (35+ hours/week, paid)
## 21:                              Employed part time (fewer than 35 hours/week, paid)
## 22:                              Self-employed
## 23: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 24:                              Unemployed and looking for work
## 25:                              Employed but not currently working (e.g., on leave, furloughed 100%)
## 26:                              Employed full time (35+ hours/week, paid)
## 27:                              Employed part time (fewer than 35 hours/week, paid)
## 28:                              Self-employed
## 29:                              Unpaid volunteer or intern
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31:                              Unemployed and looking for work
## 32:                              Employed but not currently working (e.g., on leave, furloughed 100%)
## 33:                              Employed full time (35+ hours/week, paid)
## 34:                              Employed part time (fewer than 35 hours/week, paid)
## 35:                              Self-employed
## 36:                              Unpaid volunteer or intern
## 37: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 38:                              Unemployed and looking for work
## 39:                              Employed but not currently working (e.g., on leave, furloughed 100%)
## 40:                              Employed full time (35+ hours/week, paid)
## 41:                              Employed part time (fewer than 35 hours/week, paid)
## 42:                              Self-employed
## 43:                              Unpaid volunteer or intern
## 44: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 45:                              Unemployed and looking for work
## 46:                              Employed but not currently working (e.g., on leave, furloughed 100%)
## 47:                              Employed full time (35+ hours/week, paid)
## 48:                              Employed part time (fewer than 35 hours/week, paid)
## 49:                              Self-employed
## 50:                              Unpaid volunteer or intern
## 51: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 52:                              Unemployed and looking for work
## 53:                              Employed but not currently working (e.g., on leave, furloughed 100%)

```

##		count	prop	est	employment
## 1:	100	0.495049505	100		
## 2:	21	0.103960396	21		
## 3:	6	0.029702970	6		
## 4:	2	0.009900990	2		
## 5:	45	0.222772277	45		
## 6:	27	0.133663366	27		
## 7:	1	0.004950495	1		
## 8:	15	0.405405405	15		
## 9:	3	0.081081081	3		
## 10:	3	0.081081081	3		
## 11:	1	0.027027027	1		
## 12:	15	0.405405405	15		
## 13:	721	0.610499577	721		
## 14:	79	0.066892464	79		
## 15:	49	0.041490262	49		
## 16:	7	0.005927180	7		
## 17:	256	0.216765453	256		
## 18:	60	0.050804403	60		
## 19:	9	0.007620660	9		
## 20:	18	0.500000000	18		
## 21:	2	0.055555556	2		
## 22:	1	0.027777778	1		
## 23:	8	0.222222222	8		
## 24:	5	0.138888889	5		
## 25:	2	0.055555556	2		
## 26:	2368	0.486142476	2368		
## 27:	422	0.086635188	422		
## 28:	317	0.065079039	317		
## 29:	36	0.007390680	36		
## 30:	1498	0.307534387	1498		
## 31:	194	0.039827551	194		
## 32:	36	0.007390680	36		
## 33:	195	0.525606469	195		
## 34:	41	0.110512129	41		
## 35:	24	0.064690027	24		
## 36:	9	0.024258760	9		
## 37:	72	0.194070081	72		
## 38:	24	0.064690027	24		
## 39:	6	0.016172507	6		
## 40:	399	0.504424779	399		
## 41:	70	0.088495575	70		
## 42:	51	0.064475348	51		
## 43:	9	0.011378003	9		
## 44:	214	0.270543616	214		
## 45:	41	0.051833123	41		
## 46:	7	0.008849558	7		
## 47:	72	0.585365854	72		
## 48:	6	0.048780488	6		
## 49:	8	0.065040650	8		
## 50:	1	0.008130081	1		
## 51:	27	0.219512195	27		
## 52:	7	0.056910569	7		


```

## 53:      2 0.016260163      2
##      count      prop est
##
## $cat_summary$weight_name
## [1] "person_weight"
##
## $cat_summary$unwtd
##
##                                     race
## 1:      Race -- African American or Black
## 2:      Race -- African American or Black
## 3:      Race -- African American or Black
## 4:      Race -- African American or Black
## 5:      Race -- African American or Black
## 6:      Race -- African American or Black
## 7:      Race -- African American or Black
## 8:      Race -- American Indian or Alaska Native
## 9:      Race -- American Indian or Alaska Native
## 10:     Race -- American Indian or Alaska Native
## 11:     Race -- American Indian or Alaska Native
## 12:     Race -- American Indian or Alaska Native
## 13:                                     Race -- Asian
## 14:                                     Race -- Asian
## 15:                                     Race -- Asian
## 16:                                     Race -- Asian
## 17:                                     Race -- Asian
## 18:                                     Race -- Asian
## 19:                                     Race -- Asian
## 20: Race -- Native Hawaiian or Pacific Islander
## 21: Race -- Native Hawaiian or Pacific Islander
## 22: Race -- Native Hawaiian or Pacific Islander
## 23: Race -- Native Hawaiian or Pacific Islander
## 24: Race -- Native Hawaiian or Pacific Islander
## 25: Race -- Native Hawaiian or Pacific Islander
## 26:                                     Race -- White
## 27:                                     Race -- White
## 28:                                     Race -- White
## 29:                                     Race -- White
## 30:                                     Race -- White
## 31:                                     Race -- White
## 32:                                     Race -- White
## 33:                                     Two or more
## 34:                                     Two or more
## 35:                                     Two or more
## 36:                                     Two or more
## 37:                                     Two or more
## 38:                                     Two or more
## 39:                                     Two or more
## 40:      Race -- Prefer not to answer
## 41:      Race -- Prefer not to answer
## 42:      Race -- Prefer not to answer
## 43:      Race -- Prefer not to answer
## 44:      Race -- Prefer not to answer
## 45:      Race -- Prefer not to answer
## 46:      Race -- Prefer not to answer

```

```

## 47:          Race -- Other
## 48:          Race -- Other
## 49:          Race -- Other
## 50:          Race -- Other
## 51:          Race -- Other
## 52:          Race -- Other
## 53:          Race -- Other
##           race
##
##           employment
## 1:          Employed full time (35+ hours/week, paid)
## 2:          Employed part time (fewer than 35 hours/week, paid)
## 3:          Self-employed
## 4:          Unpaid volunteer or intern
## 5: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 6:          Unemployed and looking for work
## 7:          Employed but not currently working (e.g., on leave, furloughed 100%)
## 8:          Employed full time (35+ hours/week, paid)
## 9:          Employed part time (fewer than 35 hours/week, paid)
## 10:         Self-employed
## 11:         Unpaid volunteer or intern
## 12: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 13:         Employed full time (35+ hours/week, paid)
## 14:         Employed part time (fewer than 35 hours/week, paid)
## 15:         Self-employed
## 16:         Unpaid volunteer or intern
## 17: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 18:         Unemployed and looking for work
## 19:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 20:         Employed full time (35+ hours/week, paid)
## 21:         Employed part time (fewer than 35 hours/week, paid)
## 22:         Self-employed
## 23: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 24:         Unemployed and looking for work
## 25:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 26:         Employed full time (35+ hours/week, paid)
## 27:         Employed part time (fewer than 35 hours/week, paid)
## 28:         Self-employed
## 29:         Unpaid volunteer or intern
## 30: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 31:         Unemployed and looking for work
## 32:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 33:         Employed full time (35+ hours/week, paid)
## 34:         Employed part time (fewer than 35 hours/week, paid)
## 35:         Self-employed
## 36:         Unpaid volunteer or intern
## 37: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 38:         Unemployed and looking for work
## 39:         Employed but not currently working (e.g., on leave, furloughed 100%)
## 40:         Employed full time (35+ hours/week, paid)
## 41:         Employed part time (fewer than 35 hours/week, paid)
## 42:         Self-employed
## 43:         Unpaid volunteer or intern
## 44: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 45:         Unemployed and looking for work

```

```

## 46:                Employed but not currently working (e.g., on leave, furloughed 100%)
## 47:                Employed full time (35+ hours/week, paid)
## 48:                Employed part time (fewer than 35 hours/week, paid)
## 49:                Self-employed
## 50:                Unpaid volunteer or intern
## 51: Not employed and not looking for work (e.g., retired, stay-at-home parent, student)
## 52:                Unemployed and looking for work
## 53:                Employed but not currently working (e.g., on leave, furloughed 100%)
##                                employment
##      count      prop
##  1:   100 0.495049505
##  2:    21 0.103960396
##  3:     6 0.029702970
##  4:     2 0.009900990
##  5:    45 0.222772277
##  6:    27 0.133663366
##  7:     1 0.004950495
##  8:    15 0.405405405
##  9:     3 0.081081081
## 10:     3 0.081081081
## 11:     1 0.027027027
## 12:    15 0.405405405
## 13:   721 0.610499577
## 14:    79 0.066892464
## 15:    49 0.041490262
## 16:     7 0.005927180
## 17:   256 0.216765453
## 18:    60 0.050804403
## 19:     9 0.007620660
## 20:    18 0.500000000
## 21:     2 0.055555556
## 22:     1 0.027777778
## 23:     8 0.222222222
## 24:     5 0.138888889
## 25:     2 0.055555556
## 26:  2368 0.486142476
## 27:   422 0.086635188
## 28:   317 0.065079039
## 29:    36 0.007390680
## 30:  1498 0.307534387
## 31:   194 0.039827551
## 32:    36 0.007390680
## 33:   195 0.525606469
## 34:    41 0.110512129
## 35:    24 0.064690027
## 36:     9 0.024258760
## 37:    72 0.194070081
## 38:    24 0.064690027
## 39:     6 0.016172507
## 40:   399 0.504424779
## 41:    70 0.088495575
## 42:    51 0.064475348
## 43:     9 0.011378003
## 44:   214 0.270543616

```

```

## 45:    41 0.051833123
## 46:     7 0.008849558
## 47:    72 0.585365854
## 48:     6 0.048780488
## 49:     8 0.065040650
## 50:     1 0.008130081
## 51:    27 0.219512195
## 52:     7 0.056910569
## 53:     2 0.016260163
##      count      prop
##
##
## $num_summary
## NULL
##
## $outliers
## NULL
##
## $var_is_shared
## [1] FALSE
##
## $summarize_var
## [1] "employment"
##
## $summarize_var_desc
## [1] "Employment status"
##
## $summarize_by
## [1] "race"
##
## $summarize_by_desc
## [1] "Race -- African American or Black"
## [2] "Race -- American Indian or Alaska Native"
## [3] "Race -- Asian"
## [4] "Race -- Native Hawaiian or Pacific Islander"
## [5] "Race -- Prefer not to answer"
## [6] "Race -- Other"
## [7] "Race -- White"

```