Summary Statistics for Stroke Dataset

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Data Structure

```
## spec_tbl_df [4,981 x 11] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
##  $ gender           : chr [1:4981] "Male" "Male" "Female" "Female" ...
##  $ age              : num [1:4981] 67 80 49 79 81 74 69 78 81 61 ...
##  $ hypertension     : num [1:4981] 0 0 0 1 0 1 0 0 1 0 ...
##  $ heart_disease    : num [1:4981] 1 1 0 0 0 1 0 0 0 1 ...
##  $ ever_married     : chr [1:4981] "Yes" "Yes" "Yes" "Yes" ...
##  $ work_type        : chr [1:4981] "Private" "Private" "Private" "Self-employed" ...
##  $ Residence_type   : chr [1:4981] "Urban" "Rural" "Urban" "Rural" ...
##  $ avg_glucose_level: num [1:4981] 229 106 171 174 186 ...
##  $ bmi              : num [1:4981] 36.6 32.5 34.4 24 29 27.4 22.8 24.2 29.7 36.8 ...
##  $ smoking_status   : chr [1:4981] "formerly smoked" "never smoked" "smokes" "never smoked" ...
##  $ stroke           : num [1:4981] 1 1 1 1 1 1 1 1 1 1 ...
##  - attr(*, "spec")=
##   .. cols(
##   ..   gender = col_character(),
##   ..   age = col_double(),
##   ..   hypertension = col_double(),
##   ..   heart_disease = col_double(),
##   ..   ever_married = col_character(),
##   ..   work_type = col_character(),
##   ..   Residence_type = col_character(),
##   ..   avg_glucose_level = col_double(),
##   ..   bmi = col_double(),
##   ..   smoking_status = col_character(),
##   ..   stroke = col_double()
##   .. )
##  - attr(*, "problems")=<externalptr>
```

Data Summary

```
##     gender               age          hypertension     heart_disease
##  Length:4981        Min.   : 0.08   Min.   :0.00000   Min.   :0.00000
##  Class :character   1st Qu.:25.00   1st Qu.:0.00000   1st Qu.:0.00000
##  Mode  :character   Median :45.00   Median :0.00000   Median :0.00000
##                     Mean   :43.42   Mean   :0.09617   Mean   :0.05521
##                     3rd Qu.:61.00   3rd Qu.:0.00000   3rd Qu.:0.00000
##                     Max.   :82.00   Max.   :1.00000   Max.   :1.00000
##  ever_married        work_type         Residence_type     avg_glucose_level
##  Length:4981        Length:4981        Length:4981        Min.   : 55.12
##  Class :character   Class :character   Class :character   1st Qu.: 77.23
##  Mode  :character   Mode  :character   Mode  :character   Median : 91.85
```

```
##                                                  Mean    :105.94
##                                                  3rd Qu.:113.86
##                                                  Max.    :271.74
##        bmi        smoking_status        stroke
##  Min.    :14.0   Length:4981        Min.    :0.00000
##  1st Qu.:23.7   Class :character   1st Qu.:0.00000
##  Median :28.1   Mode  :character   Median :0.00000
##  Mean    :28.5                      Mean    :0.04979
##  3rd Qu.:32.6                      3rd Qu.:0.00000
##  Max.    :48.9                      Max.    :1.00000
```

Summary Statistics

```
##                    vars    n    mean      sd median trimmed   mad    min     max
## age                  2 4981   43.42 22.66  45.00   43.83 26.69   0.08   82.00
## hypertension         3 4981    0.10  0.29   0.00    0.00  0.00   0.00    1.00
## heart_disease        4 4981    0.06  0.23   0.00    0.00  0.00   0.00    1.00
## avg_glucose_level    8 4981  105.94 45.08  91.85   97.63 25.93  55.12  271.74
## bmi                  9 4981   28.50  6.79  28.10   28.22  6.67  14.00   48.90
## stroke              11 4981    0.05  0.22   0.00    0.00  0.00   0.00    1.00
##                    range  skew kurtosis   se
## age                81.92 -0.14    -1.00 0.32
## hypertension        1.00  2.74     5.50 0.00
## heart_disease       1.00  3.89    13.16 0.00
## avg_glucose_level 216.62  1.59     1.75 0.64
## bmi                34.90  0.37    -0.14 0.10
## stroke              1.00  4.14    15.13 0.00
```