Screen Shots from 2014 American Community Survey Data Assignment

Now that you have looked at this data visually for normality, you will now quantify normality with numbers using the stat.desc() function. Include a screen capture of the results produced.

stat.desc(acs_14_1yr_s0201, basic=TRUE, desc=TRUE, norm=FALSE, p=0.95)

```
> stat.desc(acs_14_1yr_s0201, basic=TRUE, desc=TRUE, norm=FALSE, p=0.95)
          Id          Id2 Geography PopGroupID POPGROUP.display-label RacesReported     HSDegree   BachDegree
nbr.val   NA 1.360000e+02        NA        136                      NA  1.360000e+02 1.360000e+02  136.0000000
nbr.null  NA 0.000000e+00        NA          0                      NA  0.000000e+00 0.000000e+00    0.0000000
nbr.na    NA 0.000000e+00        NA          0                      NA  0.000000e+00 0.000000e+00    0.0000000
min       NA 1.073000e+03        NA          1                      NA  5.002920e+05 6.220000e+01   15.4000000
max       NA 5.507900e+04        NA          1                      NA  1.011670e+07 9.550000e+01   60.3000000
range     NA 5.400600e+04        NA          0                      NA  9.616413e+06 3.330000e+01   44.9000000
sum       NA 3.649306e+06        NA        136                      NA  1.556385e+08 1.191800e+04 4822.7000000
median    NA 2.611200e+04        NA          1                      NA  8.327075e+05 8.870000e+01   34.1000000
mean      NA 2.683313e+04        NA          1                      NA  1.144401e+06 8.763235e+01   35.4610294
SE.mean   NA 1.323036e+03        NA          0                      NA  9.351028e+04 4.388598e-01    0.8154527
CI.mean   NA 2.616557e+03        NA          0                      NA  1.849346e+05 8.679296e-01    1.6127146
var       NA 2.380576e+08        NA          0                      NA  1.189207e+12 2.619332e+01   90.4349886
std.dev   NA 1.542911e+04        NA          0                      NA  1.090508e+06 5.117941e+00    9.5097313
coef.var  NA 5.750024e-01        NA          0                      NA  9.529072e-01 5.840241e-02    0.2681741
```

stat.desc(acs_14_1yr_s0201$HSDegree, basic=FALSE, norm=TRUE)

```
> stat.desc(acs_14_1yr_s0201$HSDegree, basic=FALSE, norm=TRUE)
      median          mean       SE.mean  CI.mean.0.95           var       std.dev      coef.var      skewness      skew.2SE
8.870000e+01  8.763235e+01  4.388598e-01  8.679296e-01  2.619332e+01  5.117941e+00  5.840241e-02 -1.674767e+00 -4.030254e+00
    kurtosis      kurt.2SE    normtest.W    normtest.p
4.352856e+00  5.273885e+00  8.773635e-01  3.193634e-09
```