**Finding Data Set:**

Went to <https://www.census.gov> to obtain data set. Clicked on Topics, then Education, then Education Attainment, then Education Attainment in the United States for 2017, and Table 1. Education Attainment of the Population 18 years and Over, by Age, Sex, Race, and Hispanic Origin: 2017 for All Races. There was no registration needed and document was opened in excel. I deleted both genders and male to focus on female data. I reformatted table to take unnecessary spacing and imported to R from my computer using an excel document.

**Variables:**

[1] "Age" "Total" "None"

[4] "1st - 4th grade" "5th - 6th grade" "7th - 8th grade"

[7] "9th grade" "10th grade" "11th grade2"

[10] "High school graduate" "Some college, no degree" "Associate's degree, occupational"

[13] "Associate's degree, academic" "Bachelor's degree" "Master's degree"

[16] "Professional degree" "Doctoral degree"

**Structure of Data:**

$ Age : chr ".18 years and over" "..18 to 24 years" ".25 years and over" "..25 to 29 years" ...

$ Total : num 127155 14559 112597 11335 10795 ...

$ None : num 410 29 380 5 22 33 28 25 36 41 ...

$ 1st - 4th grade : num 761 24 737 29 28 35 43 56 57 75 ...

$ 5th - 6th grade : num 1575 27 1548 37 94 ...

$ 7th - 8th grade : num 1800 59 1740 82 129 118 145 135 117 126 ...

$ 9th grade : num 1746 120 1626 110 157 ...

$ 10th grade : num 2056 271 1785 161 110 ...

$ 11th grade2 : num 4923 1536 3388 323 261 ...

$ High school graduate : num 35010 3794 31216 2678 2359 ...

$ Some college, no degree : num 24247 5721 18525 2126 1860 ...

$ Associate's degree, occupational: num 5399 364 5035 492 481 ...

$ Associate's degree, academic : num 8278 654 7624 832 734 ...

$ Bachelor's degree : num 26145 1788 24357 3264 2864 ...

$ Master's degree : num 11680 137 11543 969 1294 ...

$ Professional degree : num 1426 19 1407 110 167 ...

$ Doctoral degree : num 1700 16 1685 116 235 ...

**Describe data:**

> Associate's degree, academic

Median Mean “Mode does not exist”

740.0 1727.2

> Bachelor's degree

Median Mean “Mode does not exist”

2354 5475

> Master's degree

Median Mean “Mode does not exist”

1030.5 2493.0

> Professional degree

Median Mean “Mode does not exist”

19.0 106.2

> Doctoral degree

Median Mean “Mode does not exist”

16.0 116.2

**Histogram:**



**Box Plot:**

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