R Notebook

af = read\_csv("final\_project\_data/AF\_Data.csv")  
des = read\_csv("final\_project\_data/Descriptors\_Census.csv")  
des$Yr = as.factor(des$Yr)  
des$FallEnrollment = as.double(des$FallEnrollment)  
des2 = des[,c(-1,-2,-3,-4)]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Average Income | Average Property Value /ADM | | | Unemployment Rate | | | Poverty Rate | | % Free & Reduced Lunch |
| Min. : 25047 | Min. : 0 | | | Min. :0.00000 | | | Min. :0.0200 | | Min. :0.0000 |
| 1st Qu.: 50849 | 1st Qu.: 28507 | | | 1st Qu.:0.05000 | | | 1st Qu.:0.1200 | | 1st Qu.:0.5130 |
| Median : 56810 | Median : 41924 | | | Median :0.07000 | | | Median :0.1700 | | Median :0.6690 |
| Mean : 59681 | Mean : 52973 | | | Mean :0.06931 | | | Mean :0.1709 | | Mean :0.6538 |
| 3rd Qu.: 65339 | 3rd Qu.: 56464 | | | 3rd Qu.:0.09000 | | | 3rd Qu.:0.2300 | | 3rd Qu.:0.8020 |
| Max. :219858 | Max. :824541 | | | Max. :0.28000 | | | Max. :0.5600 | | Max. :1.4200 |
| NA’s :7 | NA’s :7 | | | NA’s :7 | | | NA’s :7 | | NA’s :7 |
| FTE Special Education Teachers | | | FTE Counselors | | | FTE Other Staff | | | FTE Administrators |
| Min. : 0.0000 | | | Min. : 0.0000 | | | Min. : 0.00 | | | Min. : 0.000 |
| 1st Qu.: 0.9325 | | | 1st Qu.: 0.3200 | | | 1st Qu.: 0.43 | | | 1st Qu.: 0.930 |
| Median : 1.6900 | | | Median : 0.6700 | | | Median : 1.13 | | | Median : 1.000 |
| Mean : 2.4788 | | | Mean : 0.8944 | | | Mean : 1.62 | | | Mean : 1.449 |
| 3rd Qu.: 3.0000 | | | 3rd Qu.: 1.0000 | | | 3rd Qu.: 2.25 | | | 3rd Qu.: 2.000 |
| Max. :27.5200 | | | Max. :12.4900 | | | Max. :20.63 | | | Max. :22.010 |
| % Non Special Education Teachers | | Average Teacher Salary | | | % with Advanced Degrees | | | Average Years Experience | |
| Min. : 0.00 | | Min. : 0 | | | Min. :0.0000 | | | Min. : 0.00 | |
| 1st Qu.: 10.76 | | 1st Qu.:42318 | | | 1st Qu.:0.1520 | | | 1st Qu.:10.55 | |
| Median : 17.96 | | Median :43886 | | | Median :0.2300 | | | Median :12.75 | |
| Mean : 21.13 | | Mean :44161 | | | Mean :0.2438 | | | Mean :12.80 | |
| 3rd Qu.: 26.99 | | 3rd Qu.:45751 | | | 3rd Qu.:0.3180 | | | 3rd Qu.:14.92 | |
| Max. :171.87 | | Max. :64204 | | | Max. :1.0000 | | | Max. :27.46 | |