

Population Data Vignette

Kyllan Wunder

#Population data Population Data for Wisconsin's Wastewater treatment plants(WWTP). For cities with more than one WWTP (Madison and Milwaukee) the population is for the whole city.

First column is the WWTP site and the next is the population

site	pop
Algoma	3171
Appleton	74832
Ashland	8000
Baraboo	14000
Beloit	35000
Berlin	6000

```
## # A tibble: 82 x 2
##   site      pop
##   <chr>    <dbl>
## 1 Algoma      3171
## 2 Appleton  74832
## 3 Ashland    8000
## 4 Baraboo   14000
## 5 Beloit   35000
## 6 Berlin     6000
## 7 Black River Falls 5200
## 8 Brookfield 51000
## 9 Burlington 13000
## 10 Cedarburg 12000
## # i 72 more rows
```

Sometimes we split sites by population size into 3 groups Small(below 10,000), Medium(between 10,000 and 100,000), and Large(Over 100,000)

site	pop	popgroup
Algoma	3171	Small
Appleton	74832	Medium
Ashland	8000	Small
Baraboo	14000	Medium
Beloit	35000	Medium
Berlin	6000	Small

To combine cities that have multiple WWTP you can use code similar to this.

site	pop
MMSD-P11	106791
MMSD-P18	89139
MMSD-P2	83127
MMSD-P7	42734
MMSD-P8	70024
Madison	380000