

# Population Data Vignette

#Population data Data for Wisconsin's WWTF/WWTP populations

```
library(DSIWastewater)
```

```
data(pop_data, package = "DSIWastewater")
head(pop_data)
```

```
##           site    pop
## 1 Port Washington 12000
## 3           Racine 139000
## 4         Washburn  2200
## 5         Peshtigo  4000
## 6 South Milwaukee 21156
## 7           Grafton 11400
```

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)

```
populationtemp <- pop_data %>% mutate(popgroup = case_when(pop >= 100000 ~ "Large",
                                                             pop >= 10000 ~ "Medium",
                                                             .default = "Small"))
head(populationtemp)
```

```
##           site    pop popgroup
## 1 Port Washington 12000   Medium
## 3           Racine 139000   Large
## 4         Washburn  2200    Small
## 5         Peshtigo  4000    Small
## 6 South Milwaukee 21156   Medium
## 7           Grafton 11400   Medium
```