R Commands - Data Sets

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Due Monday, April 17th, 2023

2022 MCAS ELA (English Language Arts)

Disability Status:

- Students With Disabilities (Average Scaled Score)

```
Disabilities_2022_Results <- read.csv(file = "Students With Disabilities - 2022 Results.csv")
Disabilities_2022_Results <- Disabilities_2022_Results[-c(1009, 1010, 1011), ]
colnames(Disabilities_2022_Results) <- Disabilities_2022_Results[1, ]
Disabilities_2022_Results <- Disabilities_2022_Results[-1, ]
Disabilities_2022_MCAS_ELA_Results <- subset(Disabilities_2022_Results, Subject == "ELA")
Disabilities <- rep("Students With Disabilities", nrow(Disabilities_2022_MCAS_ELA_Results))
Disabilities_2022_MCAS_ELA_Results$Disabilities <- Disabilities
Disabilities_2022_MCAS_ELA_Scores <- Disabilities_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Disabilities_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Disabilities_2022_MCAS_ELA_Scores)))
```

- Students With No Disabilities (Average Scaled Score)

```
No_Disabilities_2022_Results <- read.csv(file = "Students With No Disabilities - 2022 Results.csv")
No_Disabilities_2022_Results <- No_Disabilities_2022_Results[-c(1058, 1059, 1060), ]
colnames(No_Disabilities_2022_Results) <- No_Disabilities_2022_Results[1, ]
No_Disabilities_2022_Results <- No_Disabilities_2022_Results[-1, ]
No_Disabilities_2022_MCAS_ELA_Results <- subset(No_Disabilities_2022_Results, Subject == "ELA")
No_Disabilities <- rep("Students With No Disabilities", nrow(No_Disabilities_2022_MCAS_ELA_Results))
No_Disabilities_2022_MCAS_ELA_Results$No_Disabilities <- No_Disabilities
No_Disabilities_2022_MCAS_ELA_Scores <- No_Disabilities_2022_MCAS_ELA_Results["Avg. Scaled Score"]
No_Disabilities_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(No_Disabilities_2022_MCAS_ELA_Scores)))
```

Family Income:

- Low Income Households (Average Scaled Score)

```
Low_Income_2022_Results <- read.csv(file = "Low Income Households - 2022 Results.csv")
Low_Income_2022_Results <- Low_Income_2022_Results[-c(1037, 1038, 1039), ]
colnames(Low_Income_2022_Results) <- Low_Income_2022_Results[1, ]
Low_Income_2022_Results <- Low_Income_2022_Results[-1, ]
Low_Income_2022_MCAS_ELA_Results <- subset(Low_Income_2022_Results, Subject == "ELA")
Low_Income_Households <- rep("Low Income Households", nrow(Low_Income_2022_MCAS_ELA_Results))
Low_Income_2022_MCAS_ELA_Results$Low_Income_Households <- Low_Income_Households
Low_Income_2022_MCAS_ELA_Scores <- Low_Income_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Low_Income_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Low_Income_2022_MCAS_ELA_Scores)))
```

- Non-Low Income Households (Average Scaled Score)

```
Non_Low_Income_2022_Results <- read.csv(file = "Non-Low Income Households - 2022 Results.csv")
Non_Low_Income_2022_Results <- Non_Low_Income_2022_Results[-c(1045, 1046, 1047), ]
colnames(Non_Low_Income_2022_Results) <- Non_Low_Income_2022_Results[1, ]
Non_Low_Income_2022_Results <- Non_Low_Income_2022_Results[-1, ]
Non_Low_Income_2022_MCAS_ELA_Results <- subset(Non_Low_Income_2022_Results, Subject == "ELA")
Non_Low_Income_Households <- rep("Non-Low Income Households", nrow(Non_Low_Income_2022_MCAS_ELA_Results))
Non_Low_Income_2022_MCAS_ELA_Results$Non_Low_Income_Households <- Non_Low_Income_Households
Non_Low_Income_2022_MCAS_ELA_Scores <- Non_Low_Income_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Non_Low_Income_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Non_Low_Income_2022_MCAS_ELA_Scores)))
```

Gender:

- Male Students (Average Scaled Score)

```
Male_2022_Results <- read.csv(file = "Male Students - 2022 Results.csv")
Male_2022_Results <- Male_2022_Results[-c(1047, 1048, 1049), ]
colnames(Male_2022_Results) <- Male_2022_Results[1, ]
Male_2022_Results <- Male_2022_Results[-1, ]
Male_2022_MCAS_ELA_Results <- subset(Male_2022_Results, Subject == "ELA")
Male_Students <- rep("Male Students", nrow(Male_2022_MCAS_ELA_Results))
Male_2022_MCAS_ELA_Results$Male_Students <- Male_Students
Male_2022_MCAS_ELA_Scores <- Male_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Male_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Male_2022_MCAS_ELA_Scores)))
```

- Female Students (Average Scaled Score)

```
Female_2022_Results <- read.csv(file = "Female Students - 2022 Results.csv")
Female_2022_Results <- Female_2022_Results[-c(1049, 1050, 1051), ]
colnames(Female_2022_Results) <- Female_2022_Results[1, ]
Female_2022_Results <- Female_2022_Results[-1, ]
Female_2022_MCAS_ELA_Results <- subset(Female_2022_Results, Subject == "ELA")
Female_Students <- rep("Female Students", nrow(Female_2022_MCAS_ELA_Results))
Female_2022_MCAS_ELA_Results$Female_Students <- Female_Students
Female_2022_MCAS_ELA_Scores <- Female_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Female_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Female_2022_MCAS_ELA_Scores)))
```

Race/Ethnicity:

- African American/Black (Average Scaled Score)

```
AA_B_2022_Results <- read.csv(file = "African American:Black Students - 2022 Results.csv")
AA_B_2022_Results <- AA_B_2022_Results[-c(654, 655, 656), ]
colnames(AA_B_2022_Results) <- AA_B_2022_Results[1, ]
AA_B_2022_Results <- AA_B_2022_Results[-1, ]
AA_B_2022_MCAS_ELA_Results <- subset(AA_B_2022_Results, Subject == "ELA")
AA_B_Students <- rep("Afr. Amer./Black", nrow(AA_B_2022_MCAS_ELA_Results))
AA_B_2022_MCAS_ELA_Results$AA_B_Students <- AA_B_Students
AA_B_2022_MCAS_ELA_Scores <- AA_B_2022_MCAS_ELA_Results["Avg. Scaled Score"]
AA_B_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(AA_B_2022_MCAS_ELA_Scores)))
```

- American Indian/Alaska Native (Average Scaled Score)

```
AI_AN_2022_Results <- read.csv(file = "American Indian:Alaska Native Students - 2022 Results.csv")
AI_AN_2022_Results <- AI_AN_2022_Results[-c(40, 41, 42), ]
colnames(AI_AN_2022_Results) <- AI_AN_2022_Results[1, ]
AI_AN_2022_Results <- AI_AN_2022_Results[-1, ]
AI_AN_2022_MCAS_ELA_Results <- subset(AI_AN_2022_Results, Subject == "ELA")
AI_AN_Students <- rep("Amer. Ind./Alaska", nrow(AI_AN_2022_MCAS_ELA_Results))
AI_AN_2022_MCAS_ELA_Results$AI_AN_Students <- AI_AN_Students
AI_AN_2022_MCAS_ELA_Scores <- AI_AN_2022_MCAS_ELA_Results["Avg. Scaled Score"]
AI_AN_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(AI_AN_2022_MCAS_ELA_Scores)))
```

- Asian (Average Scaled Score)

```
Asian_2022_Results <- read.csv(file = "Asian Students - 2022 Results.csv")
Asian_2022_Results <- Asian_2022_Results[-c(547, 548, 549), ]
colnames(Asian_2022_Results) <- Asian_2022_Results[1, ]
Asian_2022_Results <- Asian_2022_Results[-1, ]
Asian_2022_MCAS_ELA_Results <- subset(Asian_2022_Results, Subject == "ELA")
Asian_Students <- rep("Asian", nrow(Asian_2022_MCAS_ELA_Results))
Asian_2022_MCAS_ELA_Results$Asian_Students <- Asian_Students
Asian_2022_MCAS_ELA_Scores <- Asian_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Asian_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Asian_2022_MCAS_ELA_Scores)))
```

- Hispanic/Latino (Average Scaled Score)

```
Hispanic_Latino_2022_Results <- read.csv(file = "Hispanic:Latino Students - 2022 Results.csv")
Hispanic_Latino_2022_Results <- Hispanic_Latino_2022_Results[-c(879, 880, 881), ]
colnames(Hispanic_Latino_2022_Results) <- Hispanic_Latino_2022_Results[1, ]
Hispanic_Latino_2022_Results <- Hispanic_Latino_2022_Results[-1, ]
Hispanic_Latino_2022_MCAS_ELA_Results <- subset(Hispanic_Latino_2022_Results, Subject == "ELA")
Hispanic_Latino_Students <- rep("Hisp./Lat.", nrow(Hispanic_Latino_2022_MCAS_ELA_Results))
Hispanic_Latino_2022_MCAS_ELA_Results$Hispanic_Latino_Students <- Hispanic_Latino_Students
Hispanic_Latino_2022_MCAS_ELA_Scores <- Hispanic_Latino_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Hispanic_Latino_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Hispanic_Latino_2022_MCAS_ELA_Scores)))
```

- Native Hawaiian/Pacific Islander (Average Scaled Score)

```
NH_PI_2022_Results <- read.csv(file = "Native Hawaiian:Pacific Islander Students - 2022 Results.csv")
NH_PI_2022_Results <- NH_PI_2022_Results[-c(13, 14, 15), ]
colnames(NH_PI_2022_Results) <- NH_PI_2022_Results[1, ]
NH_PI_2022_Results <- NH_PI_2022_Results[-1, ]
NH_PI_2022_MCAS_ELA_Results <- subset(NH_PI_2022_Results, Subject == "ELA")
NH_PI_Students <- rep("Hawaii/Pac. Isl.", nrow(NH_PI_2022_MCAS_ELA_Results))
NH_PI_2022_MCAS_ELA_Results$NH_PI_Students <- NH_PI_Students
NH_PI_2022_MCAS_ELA_Scores <- NH_PI_2022_MCAS_ELA_Results["Avg. Scaled Score"]
NH_PI_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(NH_PI_2022_MCAS_ELA_Scores)))
```

- White (Average Scaled Score)

```
White_2022_Results <- read.csv(file = "White Students - 2022 Results.csv")
White_2022_Results <- White_2022_Results[-c(985, 986, 987), ]
colnames(White_2022_Results) <- White_2022_Results[1, ]
White_2022_Results <- White_2022_Results[-1, ]
White_2022_MCAS_ELA_Results <- subset(White_2022_Results, Subject == "ELA")
White_Students <- rep("White", nrow(White_2022_MCAS_ELA_Results))
White_2022_MCAS_ELA_Results$White_Students <- White_Students
White_2022_MCAS_ELA_Scores <- White_2022_MCAS_ELA_Results["Avg. Scaled Score"]
White_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(White_2022_MCAS_ELA_Scores)))
```

- Other (Average Scaled Score)

```
Other_2022_Results <- read.csv(file = "Other Students - 2022 Results.csv")
Other_2022_Results <- Other_2022_Results[-c(707, 708, 709), ]
colnames(Other_2022_Results) <- Other_2022_Results[1, ]
Other_2022_Results <- Other_2022_Results[-1, ]
Other_2022_MCAS_ELA_Results <- subset(Other_2022_Results, Subject == "ELA")
Other_Students <- rep("Other", nrow(Other_2022_MCAS_ELA_Results))
Other_2022_MCAS_ELA_Results$Other_Students <- Other_Students
Other_2022_MCAS_ELA_Scores <- Other_2022_MCAS_ELA_Results["Avg. Scaled Score"]
Other_2022_MCAS_ELA_Scores_List <- as.numeric(unlist(as.list(Other_2022_MCAS_ELA_Scores)))
```

2022 MCAS MATH (Mathematics)

Disability Status:

- Students With Disabilities (Average Scaled Score)

```
Disabilities_2022_Results <- read.csv(file = "Students With Disabilities - 2022 Results.csv")
Disabilities_2022_Results <- Disabilities_2022_Results[-c(1009, 1010, 1011), ]
colnames(Disabilities_2022_Results) <- Disabilities_2022_Results[1, ]
Disabilities_2022_Results <- Disabilities_2022_Results[-1, ]
Disabilities_2022_MCAS_MATH_Results <- subset(Disabilities_2022_Results, Subject == "MATH")
Disabilities <- rep("Students With Disabilities", nrow(Disabilities_2022_MCAS_MATH_Results))
Disabilities_2022_MCAS_MATH_Results$Disabilities <- Disabilities
Disabilities_2022_MCAS_MATH_Scores <- Disabilities_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Disabilities_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Disabilities_2022_MCAS_MATH_Scores)))
```

- Students With No Disabilities (Average Scaled Score)

```
No_Disabilities_2022_Results <- read.csv(file = "Students With No Disabilities - 2022 Results.csv")
No_Disabilities_2022_Results <- No_Disabilities_2022_Results[-c(1058, 1059, 1060), ]
colnames(No_Disabilities_2022_Results) <- No_Disabilities_2022_Results[1, ]
No_Disabilities_2022_Results <- No_Disabilities_2022_Results[-1, ]
No_Disabilities_2022_MCAS_MATH_Results <- subset(No_Disabilities_2022_Results, Subject == "MATH")
No_Disabilities <- rep("Students With No Disabilities", nrow(No_Disabilities_2022_MCAS_MATH_Results))
No_Disabilities_2022_MCAS_MATH_Results$No_Disabilities <- No_Disabilities
No_Disabilities_2022_MCAS_MATH_Scores <- No_Disabilities_2022_MCAS_MATH_Results["Avg. Scaled Score"]
No_Disabilities_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(No_Disabilities_2022_MCAS_MATH_Scores)))
```

Family Income:

- Low Income Households (Average Scaled Score)

```
Low_Income_2022_Results <- read.csv(file = "Low Income Households - 2022 Results.csv")
Low_Income_2022_Results <- Low_Income_2022_Results[-c(1037, 1038, 1039), ]
colnames(Low_Income_2022_Results) <- Low_Income_2022_Results[1, ]
Low_Income_2022_Results <- Low_Income_2022_Results[-1, ]
Low_Income_2022_MCAS_MATH_Results <- subset(Low_Income_2022_Results, Subject == "MATH")
Low_Income_Households <- rep("Low Income Households", nrow(Low_Income_2022_MCAS_MATH_Results))
Low_Income_2022_MCAS_MATH_Results$Low_Income_Households <- Low_Income_Households
Low_Income_2022_MCAS_MATH_Scores <- Low_Income_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Low_Income_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Low_Income_2022_MCAS_MATH_Scores)))
```

- Non-Low Income Households (Average Scaled Score)

```
Non_Low_Income_2022_Results <- read.csv(file = "Non-Low Income Households - 2022 Results.csv")
Non_Low_Income_2022_Results <- Non_Low_Income_2022_Results[-c(1045, 1046, 1047), ]
colnames(Non_Low_Income_2022_Results) <- Non_Low_Income_2022_Results[1, ]
Non_Low_Income_2022_Results <- Non_Low_Income_2022_Results[-1, ]
Non_Low_Income_2022_MCAS_MATH_Results <- subset(Non_Low_Income_2022_Results, Subject == "MATH")
Non_Low_Income_Households <- rep("Non-Low Income Households", nrow(Non_Low_Income_2022_MCAS_MATH_Results))
Non_Low_Income_2022_MCAS_MATH_Results$Non_Low_Income_Households <- Non_Low_Income_Households
Non_Low_Income_2022_MCAS_MATH_Scores <- Non_Low_Income_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Non_Low_Income_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Non_Low_Income_2022_MCAS_MATH_Scores)))
```

Gender:

- Male Students (Average Scaled Score)

```
Male_2022_Results <- read.csv(file = "Male Students - 2022 Results.csv")
Male_2022_Results <- Male_2022_Results[-c(1047, 1048, 1049), ]
colnames(Male_2022_Results) <- Male_2022_Results[1, ]
Male_2022_Results <- Male_2022_Results[-1, ]
Male_2022_MCAS_MATH_Results <- subset(Male_2022_Results, Subject == "MATH")
Male_Students <- rep("Male Students", nrow(Male_2022_MCAS_MATH_Results))
Male_2022_MCAS_MATH_Results$Male_Students <- Male_Students
Male_2022_MCAS_MATH_Scores <- Male_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Male_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Male_2022_MCAS_MATH_Scores)))
```

- Female Students (Average Scaled Score)

```
Female_2022_Results <- read.csv(file = "Female Students - 2022 Results.csv")
Female_2022_Results <- Female_2022_Results[-c(1049, 1050, 1051), ]
colnames(Female_2022_Results) <- Female_2022_Results[1, ]
Female_2022_Results <- Female_2022_Results[-1, ]
Female_2022_MCAS_MATH_Results <- subset(Female_2022_Results, Subject == "MATH")
Female_Students <- rep("Female Students", nrow(Female_2022_MCAS_MATH_Results))
Female_2022_MCAS_MATH_Results$Female_Students <- Female_Students
Female_2022_MCAS_MATH_Scores <- Female_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Female_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Female_2022_MCAS_MATH_Scores)))
```

Race/Ethnicity:

- African American/Black (Average Scaled Score)

```
AA_B_2022_Results <- read.csv(file = "African American:Black Students - 2022 Results.csv")
AA_B_2022_Results <- AA_B_2022_Results[-c(654, 655, 656), ]
colnames(AA_B_2022_Results) <- AA_B_2022_Results[1, ]
AA_B_2022_Results <- AA_B_2022_Results[-1, ]
AA_B_2022_MCAS_MATH_Results <- subset(AA_B_2022_Results, Subject == "MATH")
AA_B_Students <- rep("Afr. Amer./Black", nrow(AA_B_2022_MCAS_MATH_Results))
AA_B_2022_MCAS_MATH_Results$AA_B_Students <- AA_B_Students
AA_B_2022_MCAS_MATH_Scores <- AA_B_2022_MCAS_MATH_Results["Avg. Scaled Score"]
AA_B_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(AA_B_2022_MCAS_MATH_Scores)))
```

- American Indian/Alaska Native (Average Scaled Score)

```
AI_AN_2022_Results <- read.csv(file = "American Indian:Alaska Native Students - 2022 Results.csv")
AI_AN_2022_Results <- AI_AN_2022_Results[-c(40, 41, 42), ]
colnames(AI_AN_2022_Results) <- AI_AN_2022_Results[1, ]
AI_AN_2022_Results <- AI_AN_2022_Results[-1, ]
AI_AN_2022_MCAS_MATH_Results <- subset(AI_AN_2022_Results, Subject == "MATH")
AI_AN_Students <- rep("Amer. Ind./Alaska", nrow(AI_AN_2022_MCAS_MATH_Results))
AI_AN_2022_MCAS_MATH_Results$AI_AN_Students <- AI_AN_Students
AI_AN_2022_MCAS_MATH_Scores <- AI_AN_2022_MCAS_MATH_Results["Avg. Scaled Score"]
AI_AN_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(AI_AN_2022_MCAS_MATH_Scores)))
```

- Asian (Average Scaled Score)

```
Asian_2022_Results <- read.csv(file = "Asian Students - 2022 Results.csv")
Asian_2022_Results <- Asian_2022_Results[-c(547, 548, 549), ]
colnames(Asian_2022_Results) <- Asian_2022_Results[1, ]
Asian_2022_Results <- Asian_2022_Results[-1, ]
Asian_2022_MCAS_MATH_Results <- subset(Asian_2022_Results, Subject == "MATH")
Asian_Students <- rep("Asian", nrow(Asian_2022_MCAS_MATH_Results))
Asian_2022_MCAS_MATH_Results$Asian_Students <- Asian_Students
Asian_2022_MCAS_MATH_Scores <- Asian_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Asian_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Asian_2022_MCAS_MATH_Scores)))
```

- Hispanic/Latino (Average Scaled Score)

```
Hispanic_Latino_2022_Results <- read.csv(file = "Hispanic:Latino Students - 2022 Results.csv")
Hispanic_Latino_2022_Results <- Hispanic_Latino_2022_Results[-c(879, 880, 881), ]
colnames(Hispanic_Latino_2022_Results) <- Hispanic_Latino_2022_Results[1, ]
Hispanic_Latino_2022_Results <- Hispanic_Latino_2022_Results[-1, ]
Hispanic_Latino_2022_MCAS_MATH_Results <- subset(Hispanic_Latino_2022_Results, Subject == "MATH")
Hispanic_Latino_Students <- rep("Hisp./Lat.", nrow(Hispanic_Latino_2022_MCAS_MATH_Results))
Hispanic_Latino_2022_MCAS_MATH_Results$Hispanic_Latino_Students <- Hispanic_Latino_Students
Hispanic_Latino_2022_MCAS_MATH_Scores <- Hispanic_Latino_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Hispanic_Latino_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Hispanic_Latino_2022_MCAS_MATH_Scores)))
```

- Native Hawaiian/Pacific Islander (Average Scaled Score)

```
NH_PI_2022_Results <- read.csv(file = "Native Hawaiian:Pacific Islander Students - 2022 Results.csv")
NH_PI_2022_Results <- NH_PI_2022_Results[-c(13, 14, 15), ]
colnames(NH_PI_2022_Results) <- NH_PI_2022_Results[1, ]
NH_PI_2022_Results <- NH_PI_2022_Results[-1, ]
NH_PI_2022_MCAS_MATH_Results <- subset(NH_PI_2022_Results, Subject == "MATH")
NH_PI_Students <- rep("Hawaii/Pac. Isl.", nrow(NH_PI_2022_MCAS_MATH_Results))
NH_PI_2022_MCAS_MATH_Results$NH_PI_Students <- NH_PI_Students
NH_PI_2022_MCAS_MATH_Scores <- NH_PI_2022_MCAS_MATH_Results["Avg. Scaled Score"]
NH_PI_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(NH_PI_2022_MCAS_MATH_Scores)))
```

- White (Average Scaled Score)

```
White_2022_Results <- read.csv(file = "White Students - 2022 Results.csv")
White_2022_Results <- White_2022_Results[-c(985, 986, 987), ]
colnames(White_2022_Results) <- White_2022_Results[1, ]
White_2022_Results <- White_2022_Results[-1, ]
White_2022_MCAS_MATH_Results <- subset(White_2022_Results, Subject == "MATH")
White_Students <- rep("White", nrow(White_2022_MCAS_MATH_Results))
White_2022_MCAS_MATH_Results$White_Students <- White_Students
White_2022_MCAS_MATH_Scores <- White_2022_MCAS_MATH_Results["Avg. Scaled Score"]
White_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(White_2022_MCAS_MATH_Scores)))
```

- Other (Average Scaled Score)

```
Other_2022_Results <- read.csv(file = "Other Students - 2022 Results.csv")
Other_2022_Results <- Other_2022_Results[-c(707, 708, 709), ]
colnames(Other_2022_Results) <- Other_2022_Results[1, ]
Other_2022_Results <- Other_2022_Results[-1, ]
Other_2022_MCAS_MATH_Results <- subset(Other_2022_Results, Subject == "MATH")
Other_Students <- rep("Other", nrow(Other_2022_MCAS_MATH_Results))
Other_2022_MCAS_MATH_Results$Other_Students <- Other_Students
Other_2022_MCAS_MATH_Scores <- Other_2022_MCAS_MATH_Results["Avg. Scaled Score"]
Other_2022_MCAS_MATH_Scores_List <- as.numeric(unlist(as.list(Other_2022_MCAS_MATH_Scores)))
```