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| --- | --- | --- |
| Problem | Script | Result |
| 1 | # PROBLEM 1  url <- "https://emergency.cdc.gov/han/han00384.asp"  page <- read\_html(url)  table <- html\_table(page, fill = TRUE)  table <- as.data.frame(table)  # Problem 1.A  class(table)  # Problem 1.B  colnames(table)[3] = "NumFenSeiz"  HighestVal <- head(table, 1)  LowestVal <- tail(table, 1)  printValues <- function(High, Low)  {  return(printf("Highest State: (%s) %d\nLowest State: (%s) %d", High$State[1], High$NumFenSeiz[1], Low$State[1], Low$NumFenSeiz[1]))  }  printValues(HighestVal, LowestVal) |  |
| 1.A |  |  |
| 1.B |  |  |
| 2 | # PROBLEM 2  hurricanes <- read.csv("https://people.sc.fsu.edu/~jburkardt/data/csv/hurricanes.csv")  hurricanes$AvgPre2010 <- NA  hurricanes$AvgPost2010 <- NA  AvgPre2010Yearly <- colSums(hurricanes[, c(3:7)])  AvgPost2010Yearly <- colSums(hurricanes[, c(8:13)])  PerYearAvg <- colSums(hurricanes[, c(3:13)])  AvgPre2010 <- sum(AvgPre2010Yearly) / 5  AvgPost2010 <- sum(AvgPost2010Yearly) / 6  png( filename = "hurricane\_avgs\_line\_chart.png")  plot(AvgPre2010Yearly, type = "o", col = "red", xlab = "Yearly Averages", ylab = "Number of Hurricanes", main = "Hurricane Yearly Averages Pre % Post 2010")  lines(AvgPost2010Yearly, type = "o", col = "blue")  dev.off() |  |
| 2.A | AvgPre2010Yearly <- colSums(hurricanes[, c(3:7)])  AvgPost2010Yearly <- colSums(hurricanes[, c(8:13)])  PerYearAvg <- colSums(hurricanes[, c(3:13)])  AvgPre2010 <- sum(AvgPre2010Yearly) / 5  AvgPost2010 <- sum(AvgPost2010Yearly) / 6 |  |
| 2.B | png( filename = "hurricane\_avgs\_line\_chart.png")  plot(AvgPre2010Yearly, type = "o", col = "red", xlab = "Yearly Averages", ylab = "Number of Hurricanes", main = "Hurricane Yearly Averages Pre % Post 2010")  lines(AvgPost2010Yearly, type = "o", col = "blue")  dev.off() |  |
| 3 | # PROBLEM 3  overdose.data <- read\_excel("opioid.xlsx", sheet = 1, skip = 6)  totalDeaths <- overdose.data[1, 6:19]  femaleDeath <- overdose.data[2, 6:19]  maleDeath <- overdose.data[3, 6:19]  overdose.deaths <- cbind(rbind(femaleDeath, maleDeath)) | I just couldn’t figure out how to graph the way I wanted to. I understand how to get the data I need but graphing it correctly I don’t understand. |