

My Solution

Justin Sparto

2022-12-06

Part 1

Find Total Score based on strategy guide (input data)

Initialize DF

```
df = read.table('./data/input.txt', sep='')

# Rename Cols
df <- df %>%
  rename('them' = 'V1',
         'me' = 'V2')

# Add score col
df$my_score = 0
```

Loop through df adding my__score

```
for(i in 1:nrow(df)) {

  if (df$them[i] == 'A' && df$me[i] == 'X'){
    df$my_score[i] <- 4
  }
  else if (df$them[i] == 'B' && df$me[i] == 'Y'){
    df$my_score[i] <- 5
  }
  else if (df$them[i] == 'C' && df$me[i] == 'Z'){
    df$my_score[i] <- 6
  }
  else if (df$them[i] == 'A' && df$me[i] == 'Y'){
    df$my_score[i] <- 8
  }
  else if (df$them[i] == 'A' && df$me[i] == 'Z'){
    df$my_score[i] <- 3
  }
  else if (df$them[i] == 'B' && df$me[i] == 'X'){
    df$my_score[i] <- 1
  }
}
```

```

}
else if (df$them[i] == 'B' && df$me[i] == 'Z'){
  df$my_score[i] <- 9
}
else if (df$them[i] == 'C' && df$me[i] == 'X'){
  df$my_score[i] <- 7
}
else if (df$them[i] == 'C' && df$me[i] == 'Y'){
  df$my_score[i] <- 2
}
else{
  print("Someone's a cheater")
}
}
}

```

Output total score

```

df %>%
  summarise(TotalScore = sum(my_score))

```

```

##   TotalScore
## 1      13565

```

Part 1 Complete

Answer: My Score would be 13,565 if everything goes exactly according to the strategy guide!

Part 2

The guides meaning has changed slightly

```

for(i in 1:nrow(df)) {

  if (df$them[i] == 'A' && df$me[i] == 'X'){
    df$my_score[i] <- 3
  }
  else if (df$them[i] == 'B' && df$me[i] == 'Y'){
    df$my_score[i] <- 5
  }
  else if (df$them[i] == 'C' && df$me[i] == 'Z'){
    df$my_score[i] <- 7
  }
  else if (df$them[i] == 'A' && df$me[i] == 'Y'){
    df$my_score[i] <- 4
  }
  else if (df$them[i] == 'A' && df$me[i] == 'Z'){

```

```

    df$my_score[i] <- 8
  }
  else if (df$them[i] == 'B' && df$me[i] == 'X'){
    df$my_score[i] <- 1
  }
  else if (df$them[i] == 'B' && df$me[i] == 'Z'){
    df$my_score[i] <- 9
  }
  else if (df$them[i] == 'C' && df$me[i] == 'X'){
    df$my_score[i] <- 2
  }
  else if (df$them[i] == 'C' && df$me[i] == 'Y'){
    df$my_score[i] <- 6
  }
  else{
    print("Someone's a cheater")
  }
}

```

```

df %>%
  summarise(TotalScore = sum(my_score))

```

```

##   TotalScore
## 1      12424

```

Part 2 Complete

Answer: My Score would be 12,424 if everything goes exactly according to the strategy guide!