Introduction

We set the working directory

```
## set working directory
setwd('D:/Group Folder/SEQUENTIAL FILES')
```

This file is pretty small. We are just combining the results of the predictive model with the results of the clustering algorithm.

```
library(tidyverse)
library(lubridate)

clusters <- read_csv('3 Data Generated
Files/per_person_clusters.csv')
```

Lifetime and Churn

Here, we are just reading the predictive file in, selecting only the relevant columns, and then joining with the cluster results.

```
life_churn <-
  read_csv('5 Predictive
Files/output_prediction_life_churn.csv') %>%
  inner_join(clusters, by =
               c('ID_DEMO', 'MEMBERSHIP_TYPE_CODE',
                 'MEMBERSHIP_STATUS_CODE'))


write.csv(life_churn,
          '5 Predictive
Files/life_churn_clusters_predictions.csv',
          row.names=F)
```

Non-member

Here, we are just reading the predictive file in, selecting only the relevant columns, and then joining with the cluster results.

```
non_member <-
  read_csv('5 Predictive Files/output_prediction_no.csv')
%>%
  inner_join(clusters, by =
             c('ID_DEMO', 'MEMBERSHIP_TYPE_CODE',
               'MEMBERSHIP_STATUS_CODE'))

write.csv(non_member,
          '5 Predictive
Files/non_clusters_predictions.csv',
          row.names=F)
```