coverage - 100.00%

Files | funcs_for_churning_data.R

File	Lines	Relevant	Covered	Missed	Hits / Line	Coverage
funcs_for_churning_data.R	35	17	17	0	1	100.00%

Files | funcs_for_churning_data.R

```
1    # creates new churned data set
2    generate_after_churn_new_data <- function(data, churn){
3      # modify data for ecdf
4  1x  data <- modify_data_for_ecdf(data)
5      # orders the diff_btwn_dates_in_days in increasing order based on the days
6  1x  data[order(data$diff_btwn_dates_in_days, decreasing = FALSE), ]
7  1x  ecdf_percentiles <- ecdf(data$diff_btwn_dates_in_days)
8  1x  data <- data%>%mutate(churn_probabilities =
9  1x                          1 - ecdf_percentiles(data$diff_btwn_dates_in_days))
10     # orders new dataframe by customer_id for neatness
11 1x  data[order(data$customer_id, decreasing = FALSE), ]
12
13     # add churn flag
14 1x  data <- add_churn_flag(data)
15
16     # writes new dataframe to file
17 1x  write.csv(data, "Cleandata_after_churn.csv", row.names = FALSE)
18
19 1x  return(data) # for-testing purposes
20   }
21   #
22   add_churn_flag <- function(data){
23 2x  ecdf_percentiles <- ecdf(data$diff_btwn_dates_in_days)
24 2x  data <- data%>%mutate(ecdf_probabilities = ecdf_percentiles(data$diff_btwn_dates_in_days))
25 2x  data <- transform(data, churn_flag= ifelse(ecdf_probabilities>0.2, 0, 1))
26 2x  return(data)
27   }
28
29   # Adds a column for number of days since each customer visited from first who stopped
30   modify_data_for_ecdf <- function(data){
31 2x  minDate <- min(data$max_arvl_dt)
32 2x  data <- data%>%mutate(diff_btwn_dates_in_days =
33 2x                          as.numeric(difftime(max_arvl_dt, minDate, units = "days")))
34 2x  return(data)
35   }
```

```
== Testing UnitTesting.R ==============================================================

[ FAIL 0 | WARN 0 | SKIP 0 | PASS 0 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 1 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 2 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 3 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 4 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 5 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 6 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 7 ]
[ FAIL 0 | WARN 0 | SKIP 0 | PASS 8 ] Done!

Test complete
```