ANZ Presentation

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Data Import and Clean

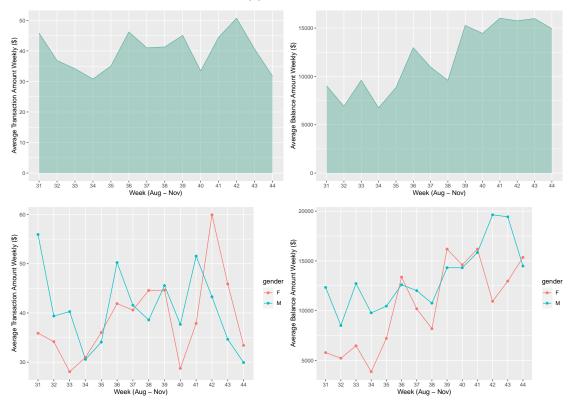
```
anz <- read_xlsx("ANZ.xlsx") #Data import</pre>
anz <- anz[,c(-3:-5,-8,-9,-19,-20,-21,-23)] #Unnecessary column removal
anz <- na.omit(anz) #NA Removals
colSums(is.na(anz)) #Null value Check
##
              status card_present_flag
                                                  long_lat
                                                              txn_description
##
##
                                balance
          first_name
                                                       date
                                                                        gender
##
##
                  age
                        merchant_suburb
                                            merchant_state
                                                                   extraction
##
##
              amount merchant_long_lat
##
                    0
```

Dataframe Manipulation

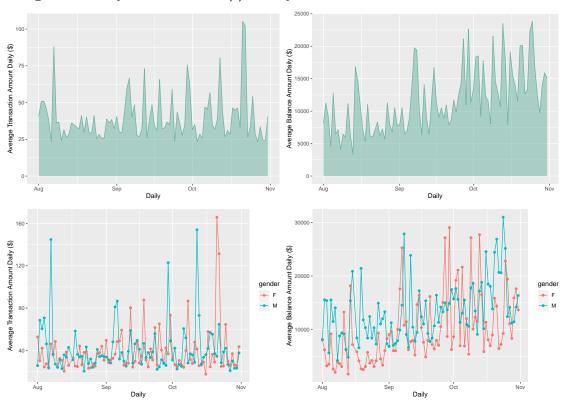
General Summary

```
##
      halance
                           amount
##
                0.24
                       Min. : 0.10
  1st Qu.: 2723.89
                       1st Qu.: 12.08
## Median: 5286.04
                       Median :
                                19.70
## Mean
          : 11871.06
                              : 40.15
                       Mean
## 3rd Qu.: 10278.29
                       3rd Qu.: 33.91
          :267093.66
## Max.
                       Max.
                              :7081.09
## [1] "$40.15 ~ average transaction amount"
## [1] "96 ~ average transactions per person"
## [1] "$11871.06 ~ average balance amount"
## [1] "32 ~ average age of customer"
```

Insights - Weekly Transaction // Weekly Balance

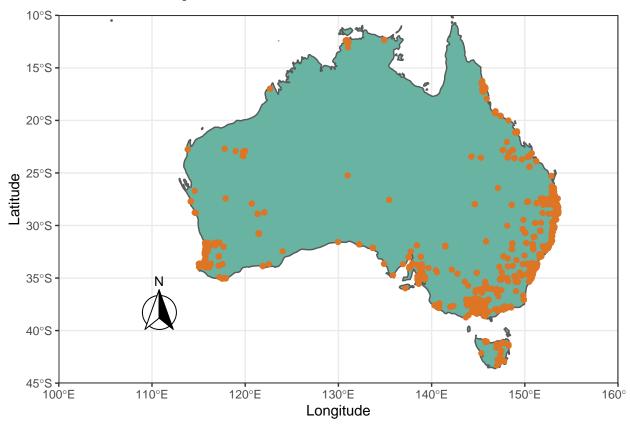


Insights - Daily Transaction // Daily Balance



Insight - Geolocation

Merchant Transaction Map



Merchant Transactions Per State

```
## ## NSW VIC QLD WA SA NT ACT TAS ## 2169 2131 1556 1100 415 205 73 68
```

Top 10 Merchant Transactions Per Suberb

					##
Chatswood	Brisbane City	Southport	Sydney	Melbourne	##
55	79	82	233	255	##
Parramatta	Mount Gambier	Broadbeach	Adelaide	Perth	##
39	41	41	44	45	##