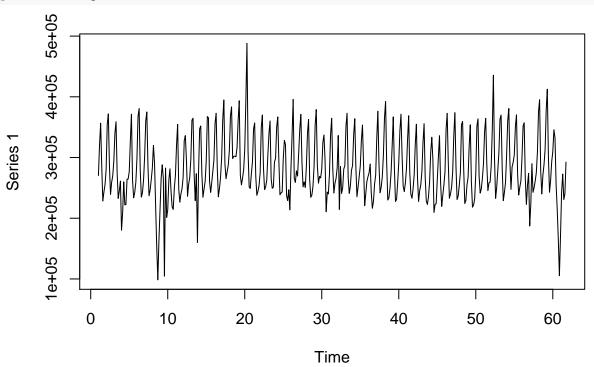
# $Data\_Main\_Characteristics\_Decompose\_ACF\_PACF$

Yun Huang (Amily)

#### Import Data

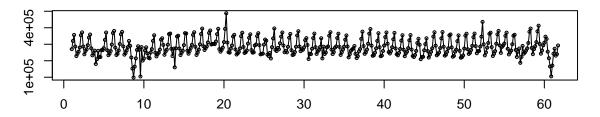
#### Plot ACF and PACF

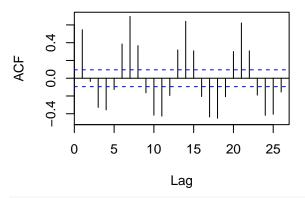
plot(Ridership)

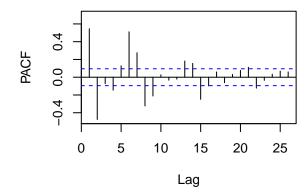


tsdisplay(Ridership)

### Ridership







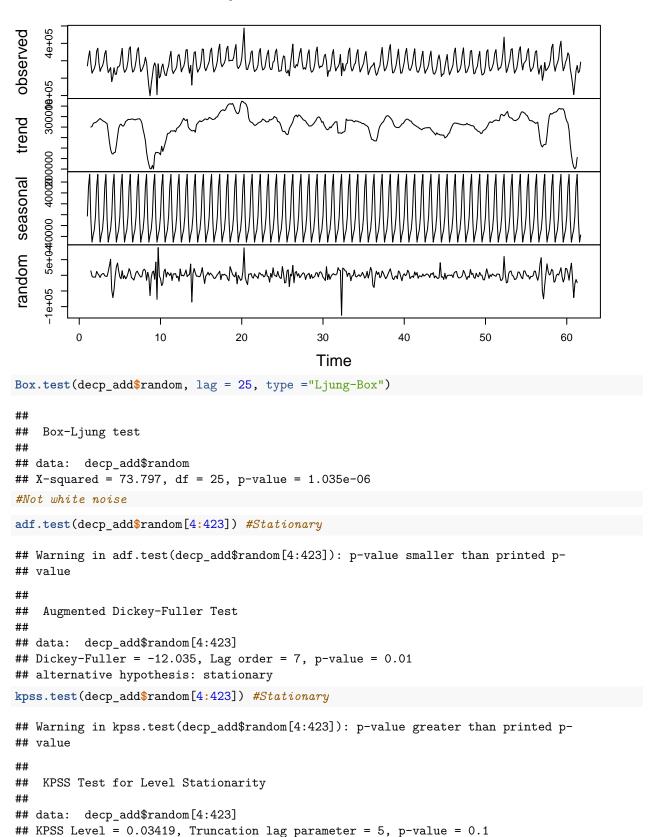
adf.test(Ridership, k=25)

```
##
## Augmented Dickey-Fuller Test
##
## data: Ridership
## Dickey-Fuller = -2.9795, Lag order = 25, p-value = 0.1636
## alternative hypothesis: stationary
```

### Decompose Data

```
decp_add<- decompose(Ridership, type = "additive")
plot(decp_add)</pre>
```

### **Decomposition of additive time series**



## decp\_add\$random

