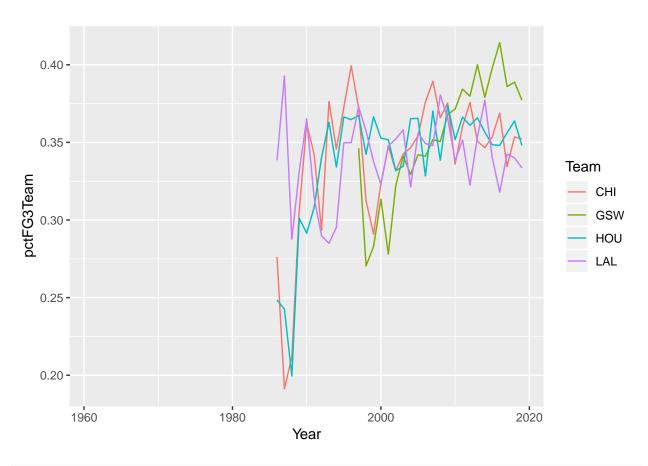
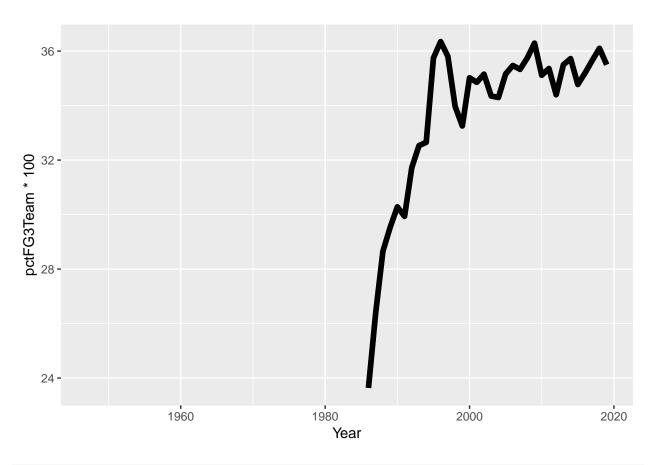
Problem Set 6

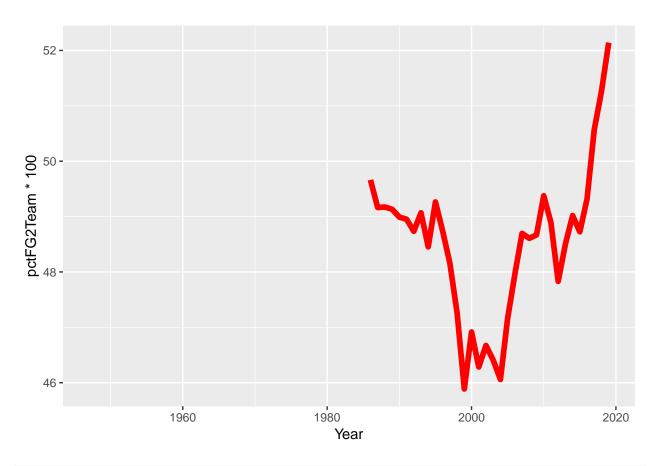
Subeom Lee 2019-03-07

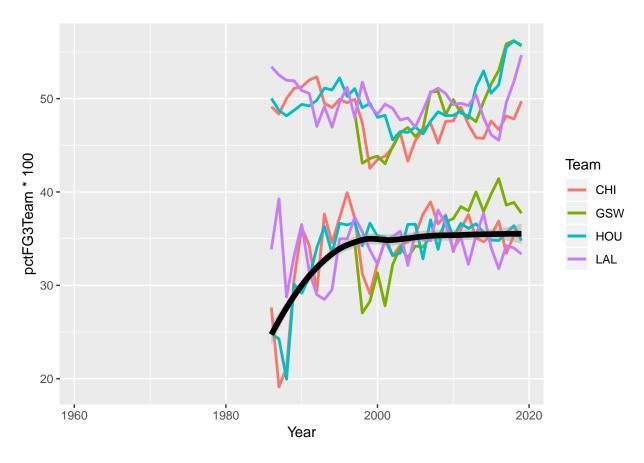
1 Flight delay predictions

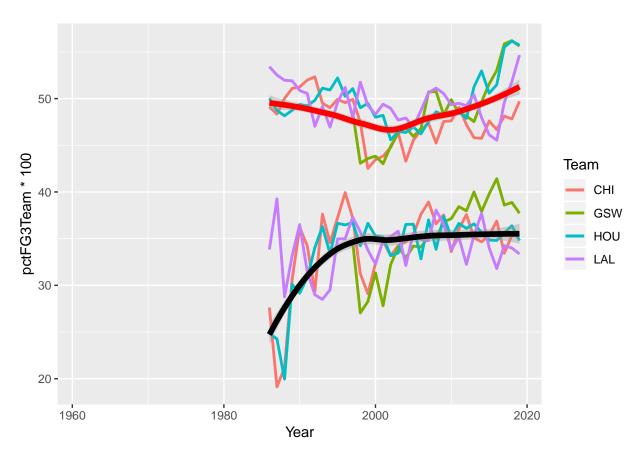
```
#http://asbcllc.com/nbastatR/index.html
library(nbastatR)
library(future)
library(stringi)
library(tidyverse)
library(lubridate)
library(texreg)
library(broom)
library(knitr)
library(ggpubr)
library(ggrepel)
library(janitor)
library(plotly)
plan(multiprocess)
# Run only when needed
# game_logs(seasons = 1947:2019, result_types = c("team", "player"))
# dataGameLogsTeam$Team = substring(dataGameLogsTeam$slugMatchup, 1, 3)
# Run when you updated data
# save(df_nba_player_dict, file='df_nba_player_dict.Rdata')
# save(dataGameLogsTeam, file='dataGameLogsTeam.Rdata')
{\it \# save (data Game Logs Player, file='data Game Logs Player. Rdata')}
load('df_nba_player_dict.Rdata')
load('dataGameLogsTeam.Rdata')
load('dataGameLogsPlayer.Rdata')
colnames(avg)[1] <- "Year"</pre>
colnames(avg)[2] <- "Team"</pre>
avgplot <- avg %>%
           filter(Team %in% c('GSW', 'CHI', 'HOU', 'LAL')) %>%
           ggplot(aes(x=Year, y=pctFG3Team, colour=Team)) +
           geom_line()
avgplot
```

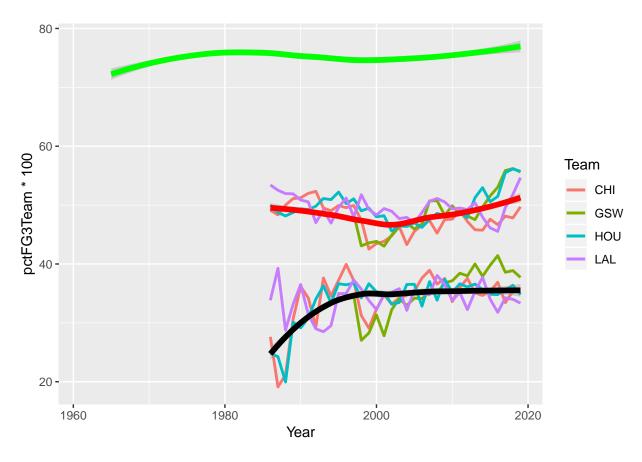


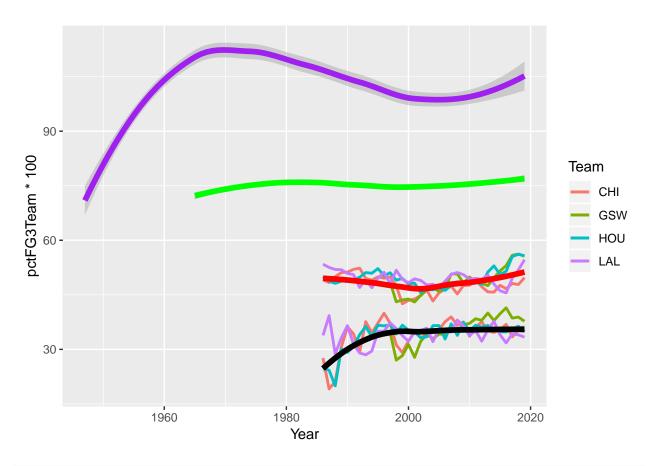












```
# ggplotly(p=ggplot2::last_plot())
# library(ggplot2)
# library(ggpubr)
\# theme_set(theme_pubr())
# figure <- ggarrange(avgplot, avgplot2,</pre>
                                                                                                                   labels = c("Each Team", "All Teams"),
#
                                                                                                                   ncol = 1, nrow = 2)
# figure
 \textit{\# climate <- read.csv('ps5\_data.csv')} \\
\# a <- ggplot(climate) +
#
                                       xlab('Year') +
#
                                          ylab('Temperature(°C)') +
#
                                           the \textit{me} (panel. \textit{border} = element\_rect (colour = "black", \textit{fill} = NA), \textit{panel.} \textit{background} = element\_rect (\textit{fill} = NA), \textit{panel.} \textit{background} = element\_rect (\textit{
                                                                        panel.grid=element_line(color="grey")) +
#
                                          geom_smooth(aes(Year, Lowess.5.), colour="blue", size=1) +
#
                                          geom_line(aes(Year, No_Smoothing), colour="grey", size=1) +
#
                                          geom_point(aes(Year, No_Smoothing), shape=1, size=3)
```