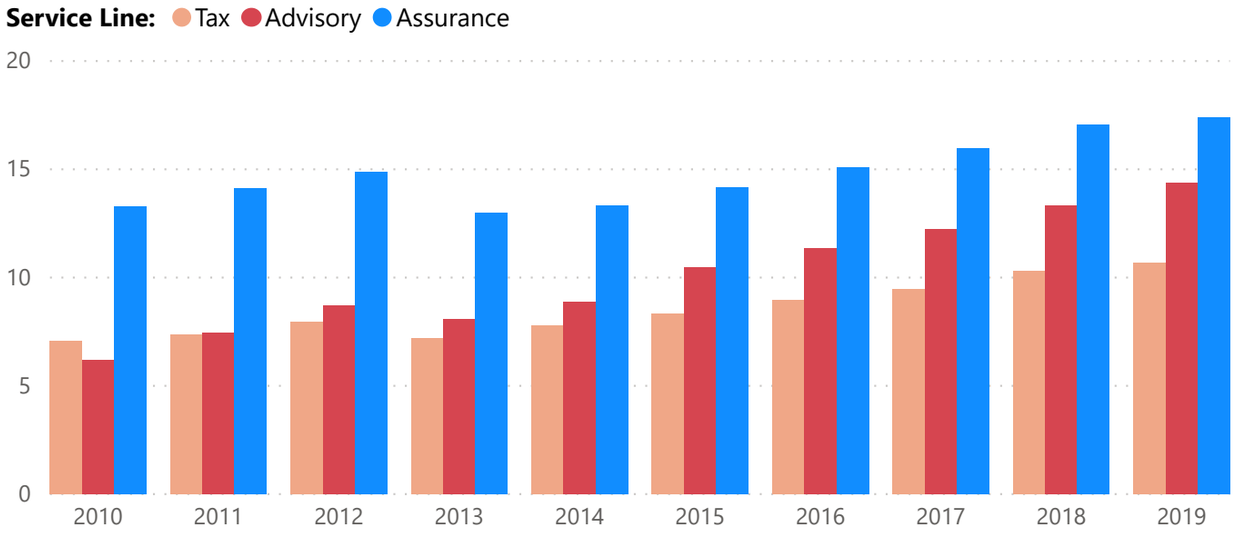
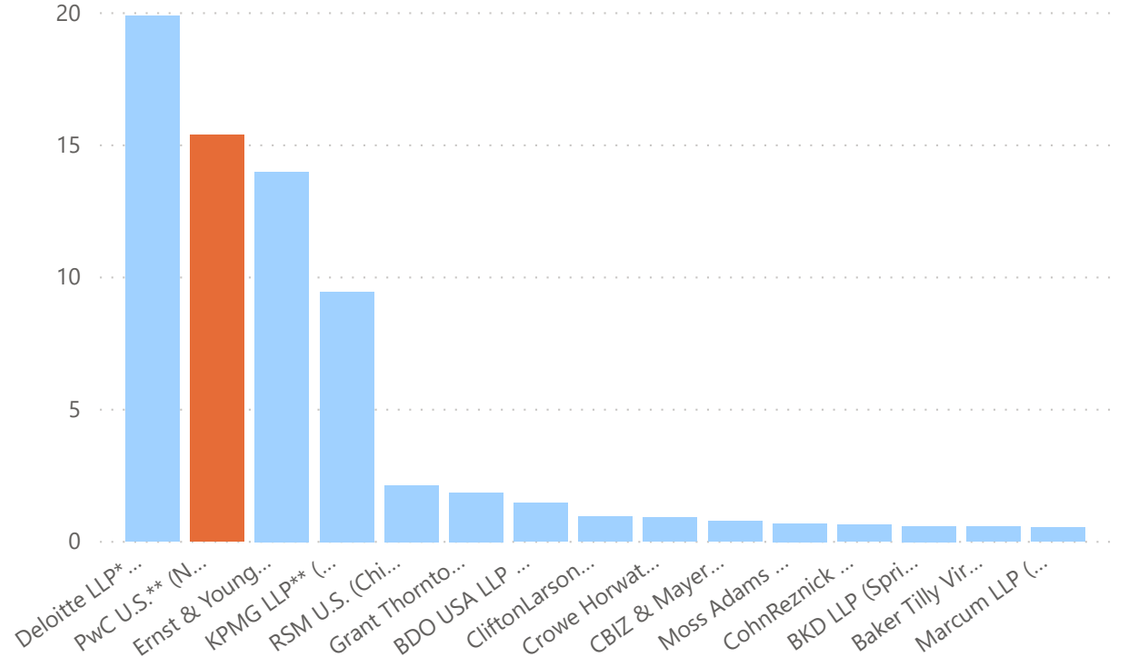
Designed by: Morteza Maleki **Utilized Tool:** Microsoft Power BI
Date: February, 23, 2020 **Raw Data Source:** www.pwc.com

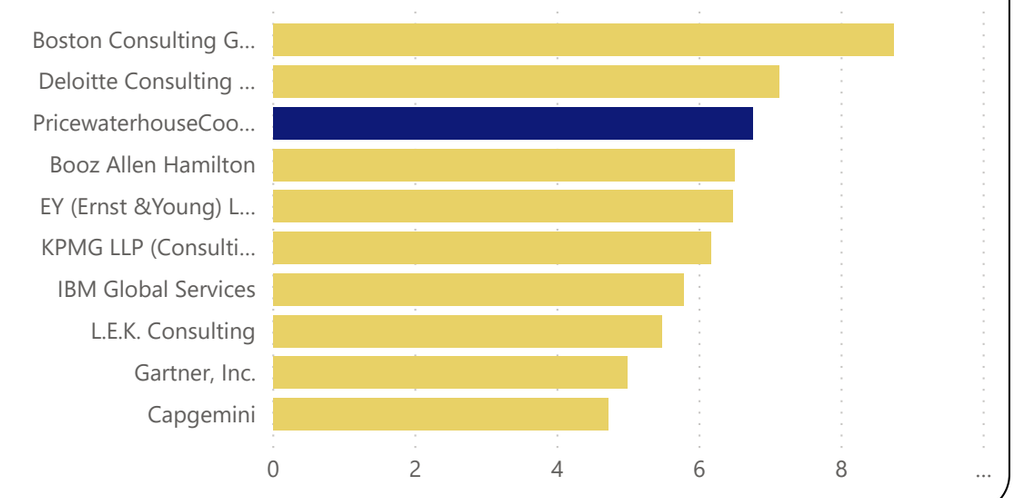
Aggregated Revenue of PwC from 2010 to 2019, by Service Line (in billion U.S. dollars)



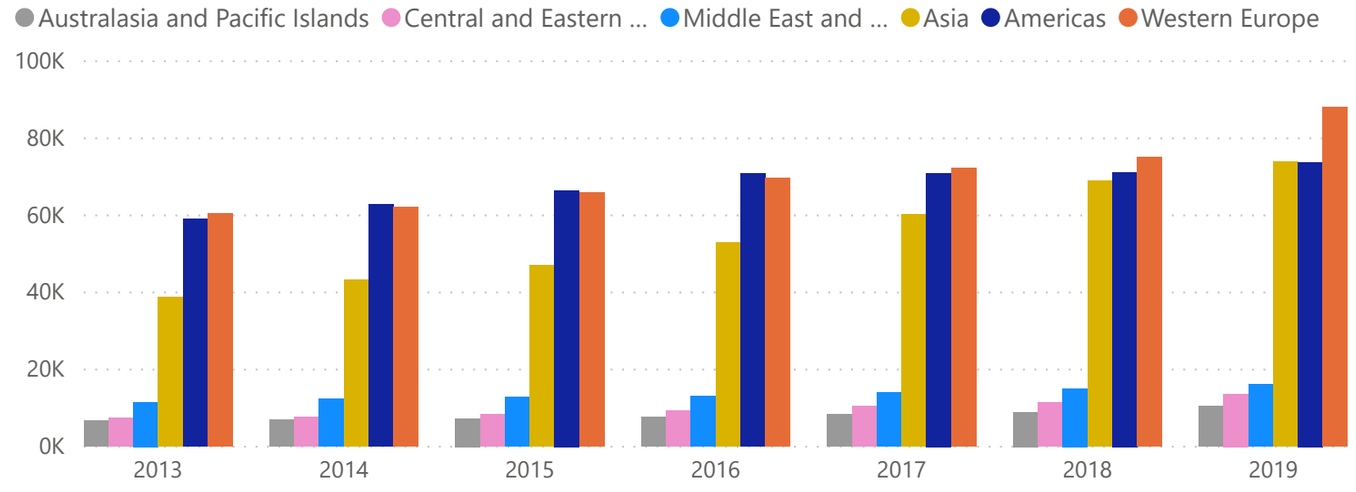
Leading U.S. Accounting Firms by U.S. Revenue (2018)



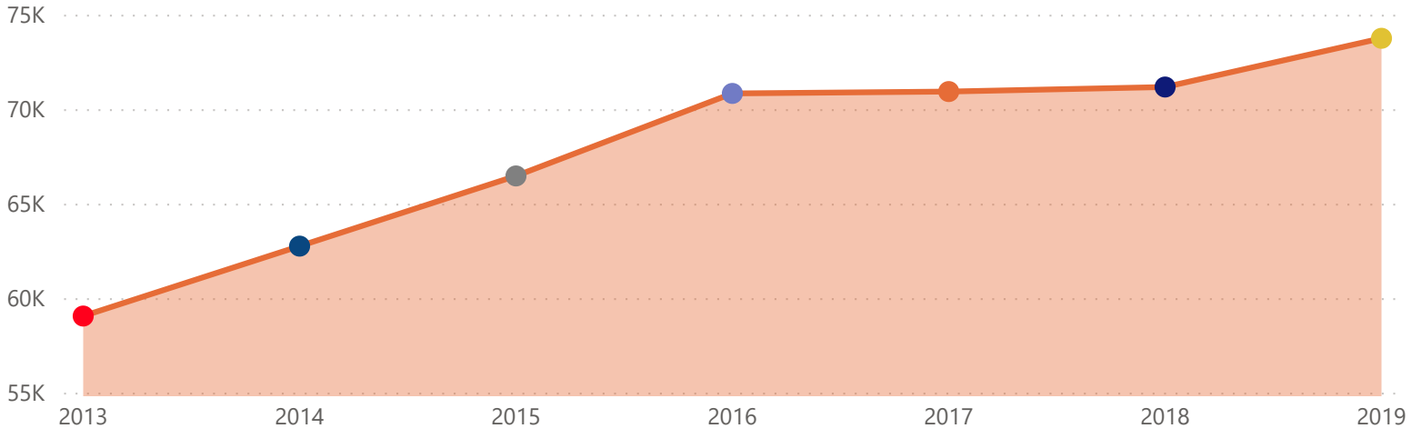
Leading Consulting Firms in the U.S. in 2019, by Prestige Rating



Number of PwC Employees Worldwide from 2013 to 2019, by Region



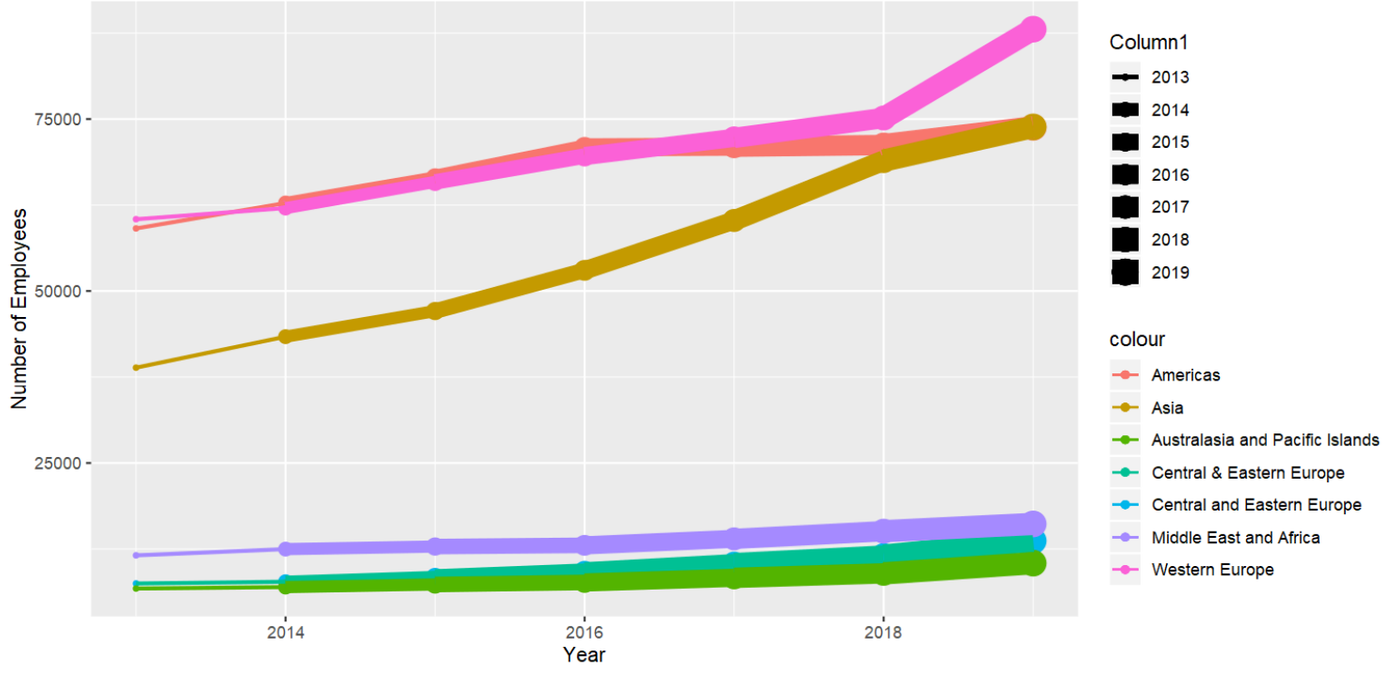
Number of PwC Employees in Americas from 2013 - 2019



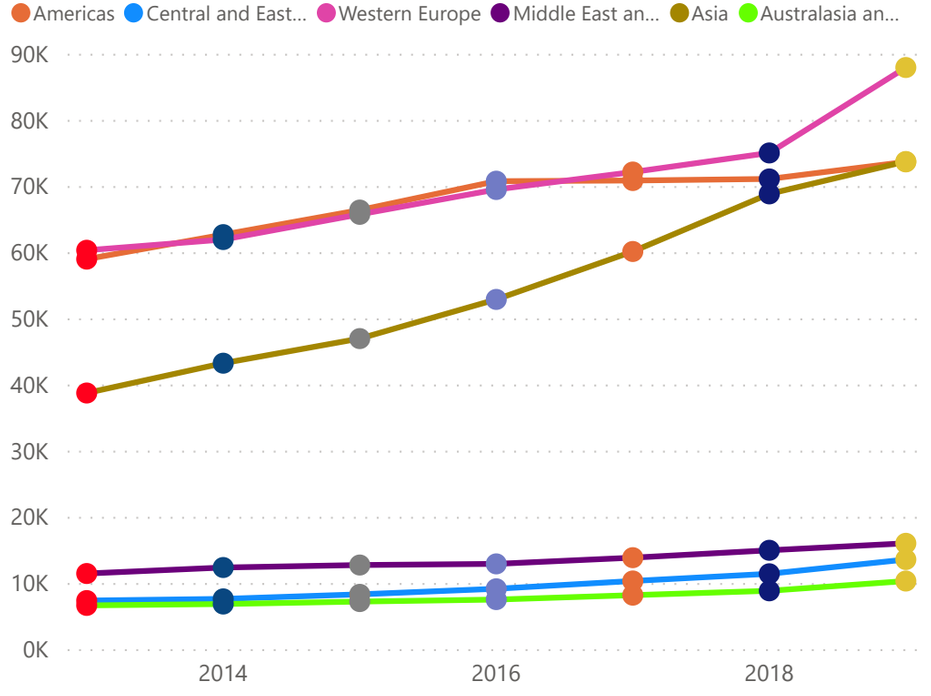
Total Number of PwC Employees Worldwide in 2019

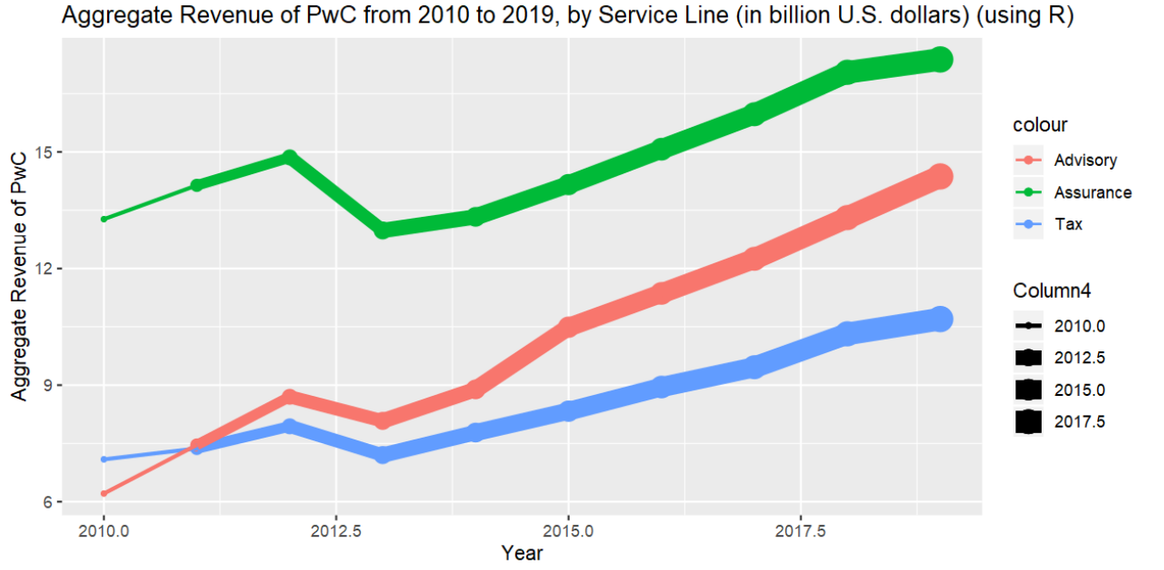
276005

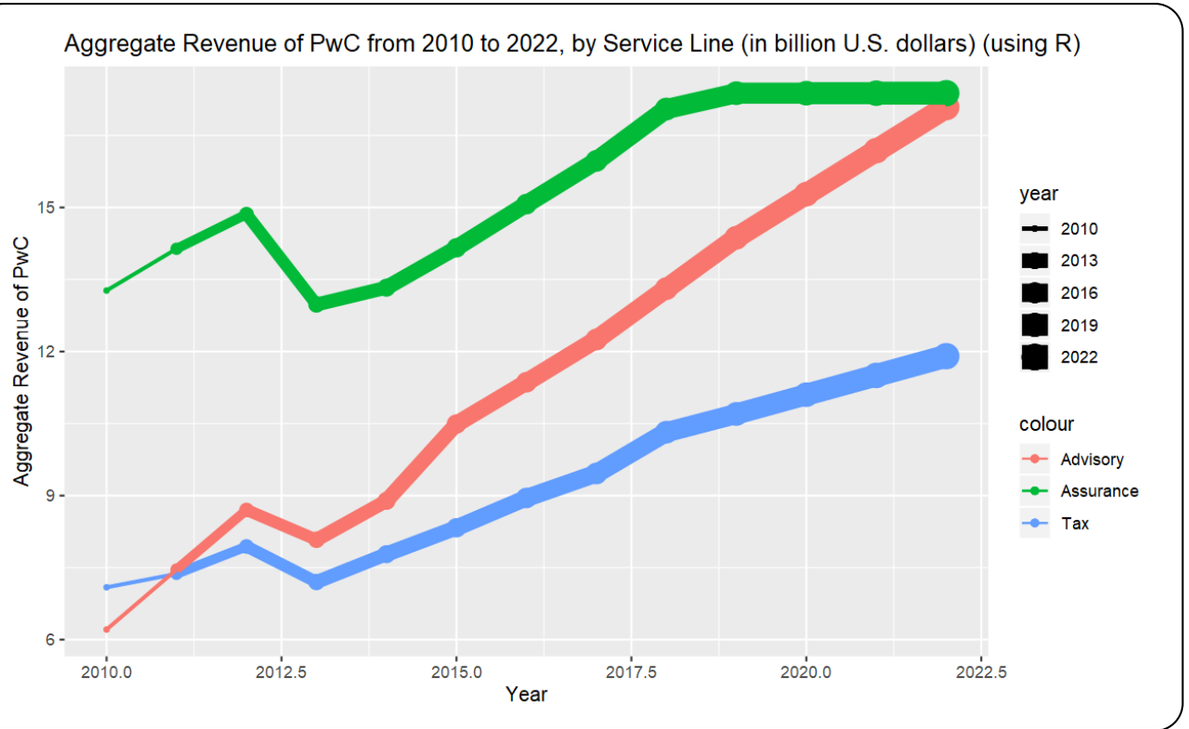
Number of PwC Employees by Continent from 2013 to 2019 (using R)



Number of PwC Employees by Continent from 2013 to 2019







 # Predicting Tax, Assurance, and Advisory in 2020, 2021, and 2022 based on ARIMA using R

```
library(tidyverse)
library(forecast)
dataset_Tax <- ts(dataset[, 2])
dataset_Advisory <- ts(dataset[, 3])
dataset_Assurance <- ts(dataset[, 4])
fit_Tax <- auto.arima(dataset_Tax)
fit_Advisory <- auto.arima(dataset_Advisory)
fit_Assurance <- auto.arima(dataset_Assurance)
pred_Tax <- forecast(fit_Tax, 3)
pred_Advisory <- forecast(fit_Advisory, 3)
pred_Assurance <- forecast(fit_Assurance, 3)
results_Tax <- as.numeric(pred_Tax$mean)
results_Advisory <- as.numeric(pred_Advisory$mean)
results_Assurance <- as.numeric(pred_Assurance$mean)
df <- data.frame(matrix(nrow = 3, ncol = 4))
colnames(df) <-c("year", "Tax", "Advisory", "Assurance")
df[1:3,1 ] <- c(2020, 2021, 2022)
for (i in 1:3){
  df[i, 2] <- results_Tax[i]
}
for (i in 1:3){
 df[i, 3] <- results_Advisory[i]
}
for (i in 1:3){
 df[i, 4] <- results_Assurance[i]
}
df[, 2] <- cbind(as.numeric(pred_Tax$mean), df[,2])
colnames(dataset) <- c("year", "Tax", "Advisory", "Assurance")
new_df <- rbind(dataset, df)
ggplot(new_df) + labs(x = "Year", y= "Aggregate Revenue of PwC", title = "Aggregate
Revenue of PwC from 2010 to 2022, by Service Line (in billion U.S. dollars) (using
R)") +
 geom_point(aes(x= year, y = new_df$Tax, color = "Tax", size = year) ) +
 geom_point(aes(x= year, y = new_df$`Advisory`, color ="Advisory", size = year)) +
 geom_point(aes(x= year, y = new_df$`Assurance`, color ="Assurance",size = year)) +
 geom_line(aes(x= year, y = new_df$Tax, color = "Tax", size = year) ) +
 geom_line(aes(x= year, y = new_df$`Advisory`, color ="Advisory", size =year)) +
 geom_line(aes(x= year, y = new_df$`Assurance`, color ="Assurance",size = year))
```