## Assignment 04

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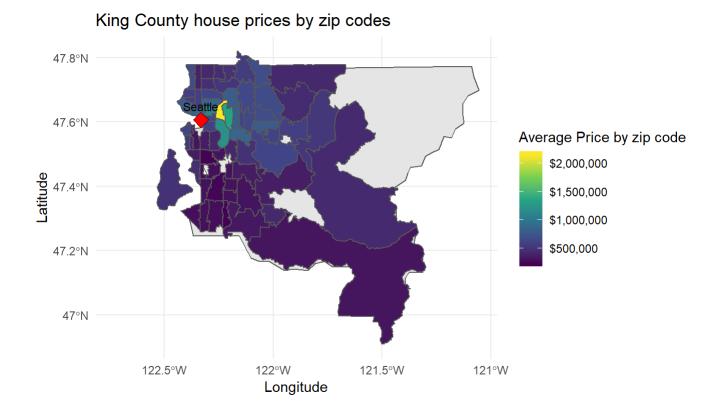
## Question 4

(Extra credit) Try to think about how you can use the zip code data for location information and map price to zipcodes

```
zipcodeShapeData <- st_read('data/tl_2019_us_zcta510.shp', quiet = TRUE)
houses <- read_csv("data/KING COUNTY House Data.csv")
counties <- st_as_sf(map("county", plot = FALSE, fill = TRUE))
counties_wa <-counties %>%
    filter(str_detect(ID, 'washington,'))

counties_wa_king <- counties_wa %>%
    filter(str_detect(ID, "king"))

averagePriceByZip <- houses %>% group_by(zipcode) %>% summarize(averagePrice = mean(price))
mergedShapeAndAvgZipCodeData <- merge(zipcodeShapeData,averagePriceByZip,by.x=c("ZCTA5CE10"),by.y=c("zipcode"))
sites <- data.frame(longitude = c(-122.3321), latitude = c(47.6062))</pre>
```



- a. Mapped mean of price by zip code.
- b. Around Seattle metro area, average house price hovers around 1M.
- c. Interesting facts
- 1. Zipcode highlighted in yellow is 98039, it has an average house price of \$2,161,300.0.
- 2. This zip code is where world's 2 richest people have their home Bill Gates and Jeff Bezos.
- 3. 98039 ZIP code ranks the top in Washington state in Forbes magazine's list of the most expensive ZIP codes in the country.