

# Assignment 6 - Kevin Chan

Bude is a small seaside resort town in north Cornwall, England, UK, in the civil parish of Bude-Stratton and at the mouth of the River Neet. It is sometimes formerly known as Bude Haven. It lies southwest of Stratton, south of Flexbury and Poughill, and north of Widemouth Bay and is located along the A3073 road off the A39.

Map of Bude:

```
library(ggmap)
library(tidyverse)

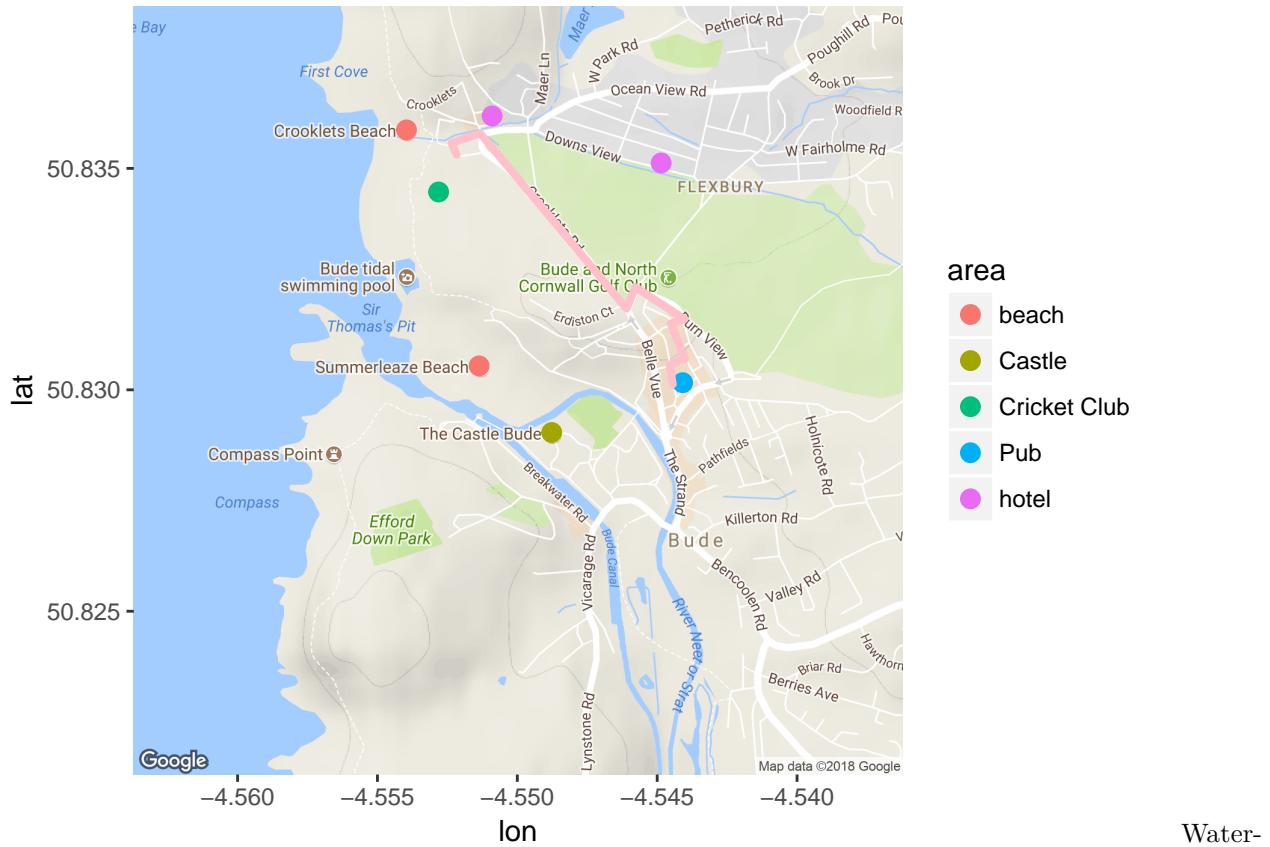
map <- get_googlemap(center = c(-4.55,50.83),zoom = 15)
location <- data.frame(lat=c(50.835869,50.830540,50.834467,50.829036,50.830161),
                        lon=c(-4.553962,-4.551365,-4.552814,-4.548769,-4.544088),
                        area=c("beach","beach","Cricket Club","Castle","Pub"))

from <- "Bude North Cornwall Cricket Club"
to <- "Bar 35, Belle Vue Ln, Bude EX23 8BR"
route_df <- route(from, to, structure = "route")

hotel <- geocode(c("Tommy Jacks Beach Hotel Bude UK","Fairway House Bude UK"))
hotel <- data.frame(lon=hotel$lon, lat=hotel$lat,area="hotel")

location <- rbind(location, hotel)

ggmap(map) +
  geom_point(data = location, aes(x=lon, y=lat, color = area), size =3) +
  geom_path(aes(x = lon, y = lat), colour = "pink", size = 1.4, data = route_df, lineend = "round")
```



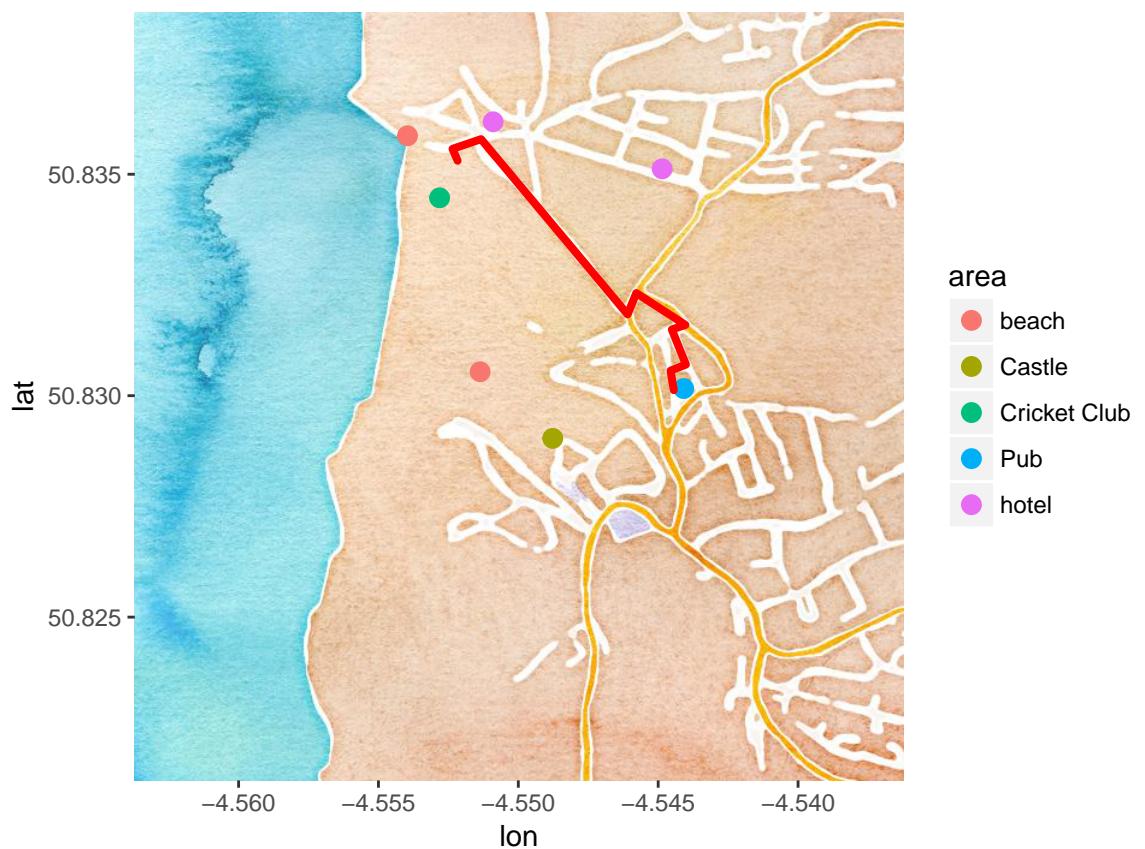
color map:

```
map2 <- get_map(location = c(-4.55, 50.83), source="stamen", maptype = "watercolor", zoom = 15)

ggmap(map2) +
  geom_point(data = location, aes(x=lon, y=lat, color = area), size = 3) +
  geom_path(aes(x = lon, y = lat), colour = "red", size = 1.4, data = route_df, lineend = "round")
```



Figure 1: Crooklet Beach



Places to go in Bude:



Figure 2: Summerlesae Beach



Figure 3: Cricket Club



Figure 4: Bude Castle



Figure 5: Bar 35



Figure 6: Tommy Jacks Beach Hotel



Figure 7: Fairway House