

Assignment 6: ggmaps

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Regular Bude Map

-map with markers of Bude & North Cornwall Golf Club, Bude Tide Pools, The Carrier's Inn Pub and Compass Point lookout

```
reg_map <- get_googlemap(center = c(-4.55,50.83),zoom = 13)

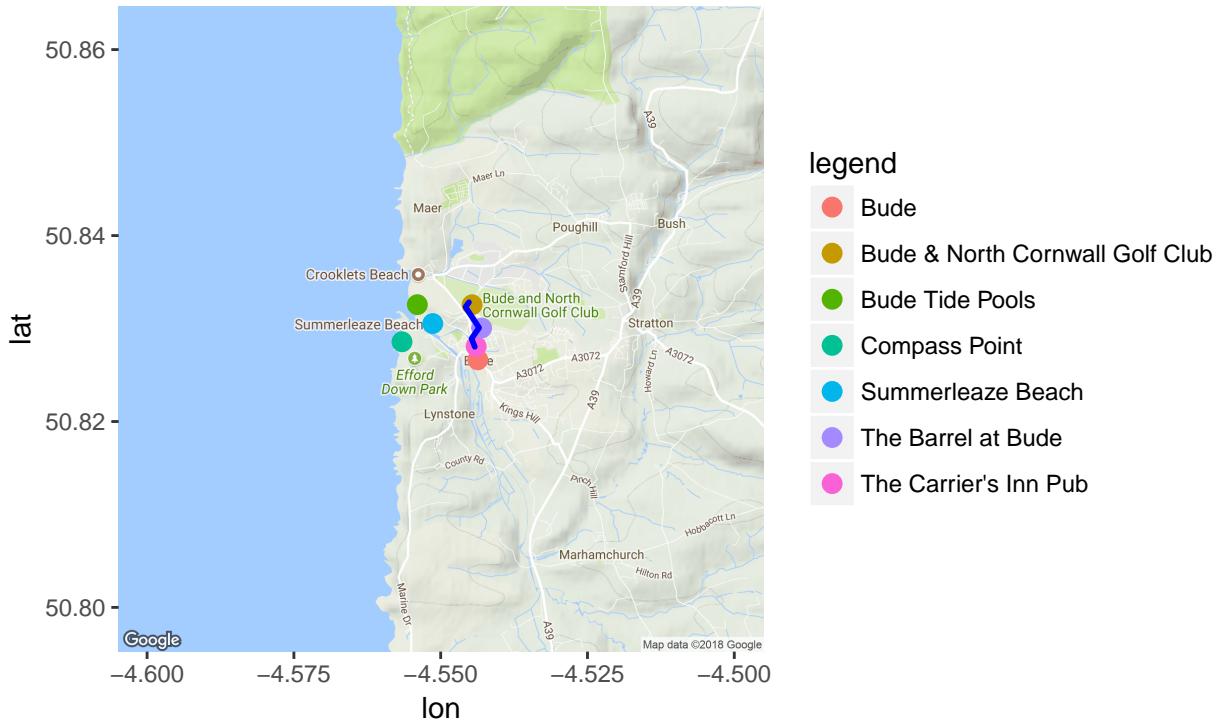
## Source : https://maps.googleapis.com/maps/api/staticmap?center=50.83,-4.55&zoom=13&size=640x640&scale=1

location <- data.frame(lat=c(50.82664,50.828579,50.832559,50.828088, 50.832574,
                           50.830540,50.830066),
                        lon=c(-4.543678,-4.556585,-4.544649,-4.543960, -4.553974,
                              -4.551349,-4.543023),
                        legend=c("Bude","Compass Point","Bude & North Cornwall Golf Club",
                                "The Carrier's Inn Pub","Bude Tide Pools","Summerleaze Beach",
                                "The Barrel at Bude"))

#path data frame from Carriers Inn Pub and Bude Golf Club
start <- "Bude and North Cornwall Golf Club"
end <- "The Carrier's Inn Pub, The Strand, Bude EX23 8QU, UK"
path <- route(start, end, structure = "route")

## Source : https://maps.googleapis.com/maps/api/directions/json?origin=Bude%20and%20North%20Cornwall%20Golf%20Club&destination=The%20Carrier's%20Inn%20Pub,%20The%20Strand,%20Bude%20EX23%208QU,%20UK&mode=driving&key=AIzaSyCwJLcXWzDyfjPQHgkVqfOOGdIwvZM0EY

ggmap(reg_map) +
  geom_point(data = location, aes(x=lon, y=lat, color = legend), size =3) +
  geom_path(aes(x = lon, y = lat), colour = "blue", size = 1,
            data = path, lineend = "round")
```



Water Color Bude Map

-same map with markers of Bude & North Cornwall Golf Club, Bude Tide Pools, The Carrier's Inn Pub and Compass Point lookout

```
reg_map <- get_googlemap(center = c(-4.55,50.83),zoom = 13)

## Source : https://maps.googleapis.com/maps/api/staticmap?center=50.83,-4.55&zoom=13&size=640x640&scale=1&maptype=watercolor
location <- data.frame(lat=c(50.82664,50.828579,50.832559,50.828088, 50.832574,
                           50.830540,50.830066),
                        lon=c(-4.543678,-4.556585,-4.544649,-4.543960, -4.553974,
                             -4.551349,-4.543023),
                        legend=c("Bude","Compass Point","Bude & North Cornwall Golf Club",
                               "The Carrier's Inn Pub","Bude Tide Pools","Summerleaze Beach",
                               "The Barrel at Bude"))

#path data frame from Carriers Inn Pub and Bude Golf Club
start <- "Bude and North Cornwall Golf Club"
end <- "The Carrier's Inn Pub, The Strand, Bude EX23 8QU, UK"
path <- route(start, end, structure = "route")

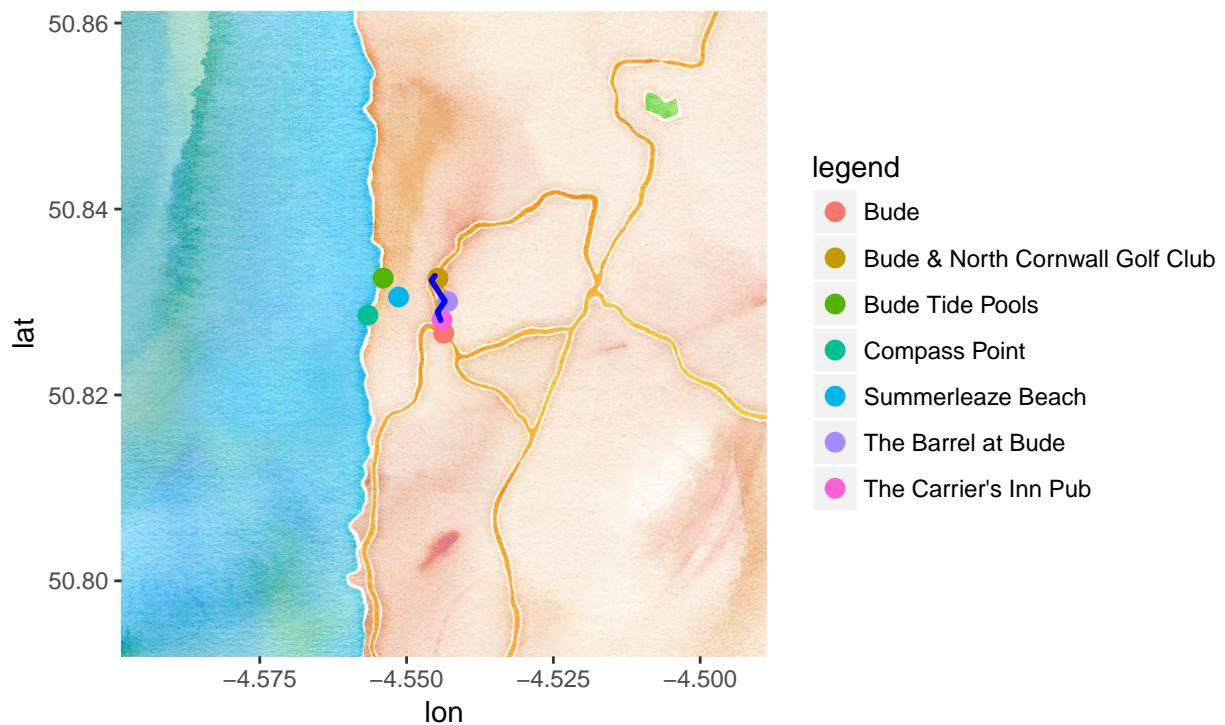
## Source : https://maps.googleapis.com/maps/api/directions/json?origin=Bude%20and%20North%20Cornwall%20England&destination=The%20Carrier's%20Inn%20Pub,%20The%20Strand,%20Bude%20EX23%208QU,%20UK
watercolor_map <- get_map(location = c("Bude, England"), source="stamen",maptype = "watercolor",zoom = 13)

## Source : https://maps.googleapis.com/maps/api/staticmap?center=Bude,+England&zoom=13&size=640x640&scale=1&maptype=watercolor
## Source : https://maps.googleapis.com/maps/api/geocode/json?address=Bude%2C%20England
## Source : http://tile.stamen.com/watercolor/13/3991/2747.jpg
## Source : http://tile.stamen.com/watercolor/13/3992/2747.jpg
```

```

## Source : http://tile.stamen.com/watercolor/13/3993/2747.jpg
## Source : http://tile.stamen.com/watercolor/13/3991/2748.jpg
## Source : http://tile.stamen.com/watercolor/13/3992/2748.jpg
## Source : http://tile.stamen.com/watercolor/13/3993/2748.jpg
## Source : http://tile.stamen.com/watercolor/13/3991/2749.jpg
## Source : http://tile.stamen.com/watercolor/13/3992/2749.jpg
## Source : http://tile.stamen.com/watercolor/13/3993/2749.jpg
## Source : http://tile.stamen.com/watercolor/13/3991/2750.jpg
## Source : http://tile.stamen.com/watercolor/13/3992/2750.jpg
## Source : http://tile.stamen.com/watercolor/13/3993/2750.jpg
gmap(watercolor_map) +
  geom_point(data = location, aes(x=lon, y=lat, color = legend), size = 3) +
  geom_path(aes(x = lon, y = lat), colour = "blue", size = 1, data = path, lineend = "round")
)

```



Bude and North Cornwall Golf Club



Bude Tide Pools



The Carrier's Inn Pub



Compass Point



The Summerleaze Beach



The Barrel at Bude

