GPS Coordinate Plots

Surakshya Dhakal

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The exercise aims to explore the possibilities of handheld GNSS/GPS receivers and increase the understanding of some errors and their consequences.

Read in the Datasets

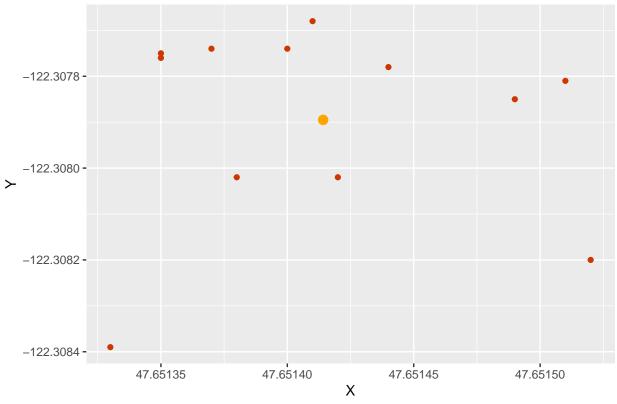
```
# GPS coordinates collected outside Bloedel Hall
ob <- read.csv("../data/OutsideBloedel.csv")

# GPS coordinates collected over the True North control point
tn <- read.csv("../data/TrueNorth.csv")

# GPS coordinates collected in the Medicinal Herb Garden
mgh <- read.csv("../data/MedicinalHerbGarden.csv")</pre>
```

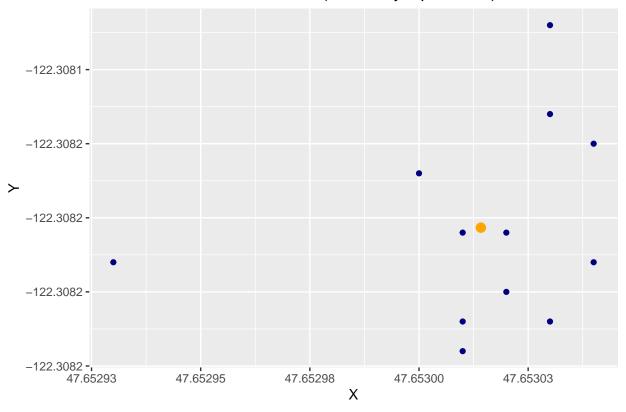
Create Plots

Outside a Building with Other Concrete Structures and Trees Around



geom_point(data = tn_mean, size = 3, shape = 19, colour = "orange") +
ggtitle("Over True North Control Point (Relatively Open Area)")

Over True North Control Point (Relatively Open Area)

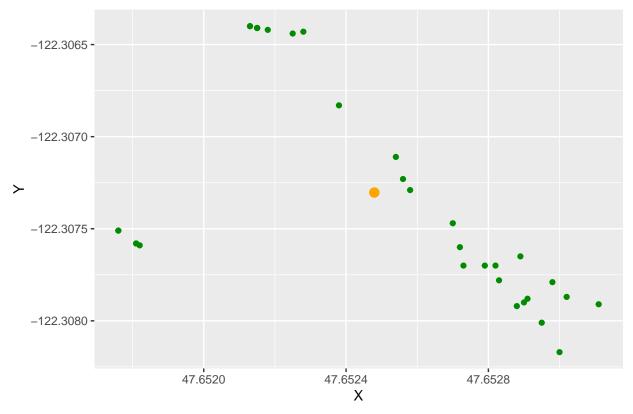


ggplot(mgh, aes(x = X, y = Y)) +
 geom_point(color = "green4") +

ggtitle("In Forested Area")

geom_point(data = mgh_mean, size = 3, shape = 19, colour = "orange") +

In Forested Area



dev.copy(png,'../figures/MGH.png')

png ## 3

dev.off()

pdf ## 2