Analyze GPS

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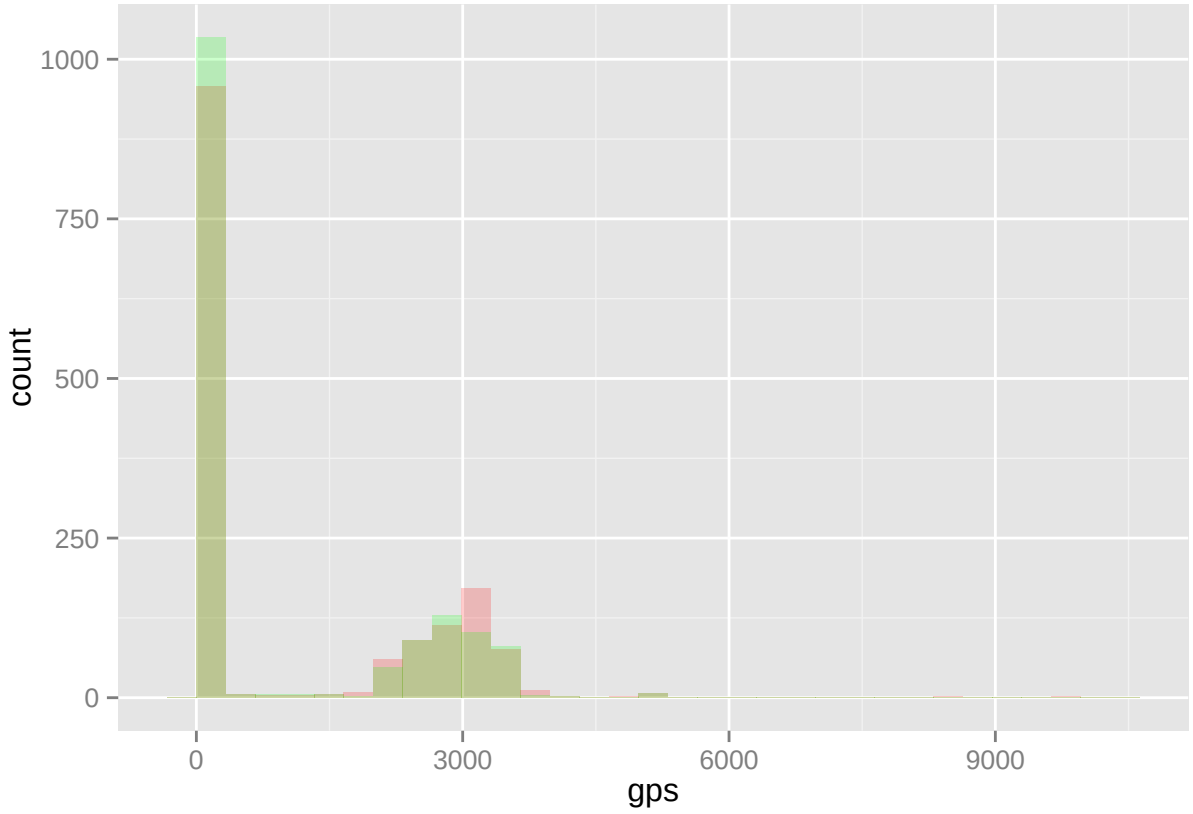
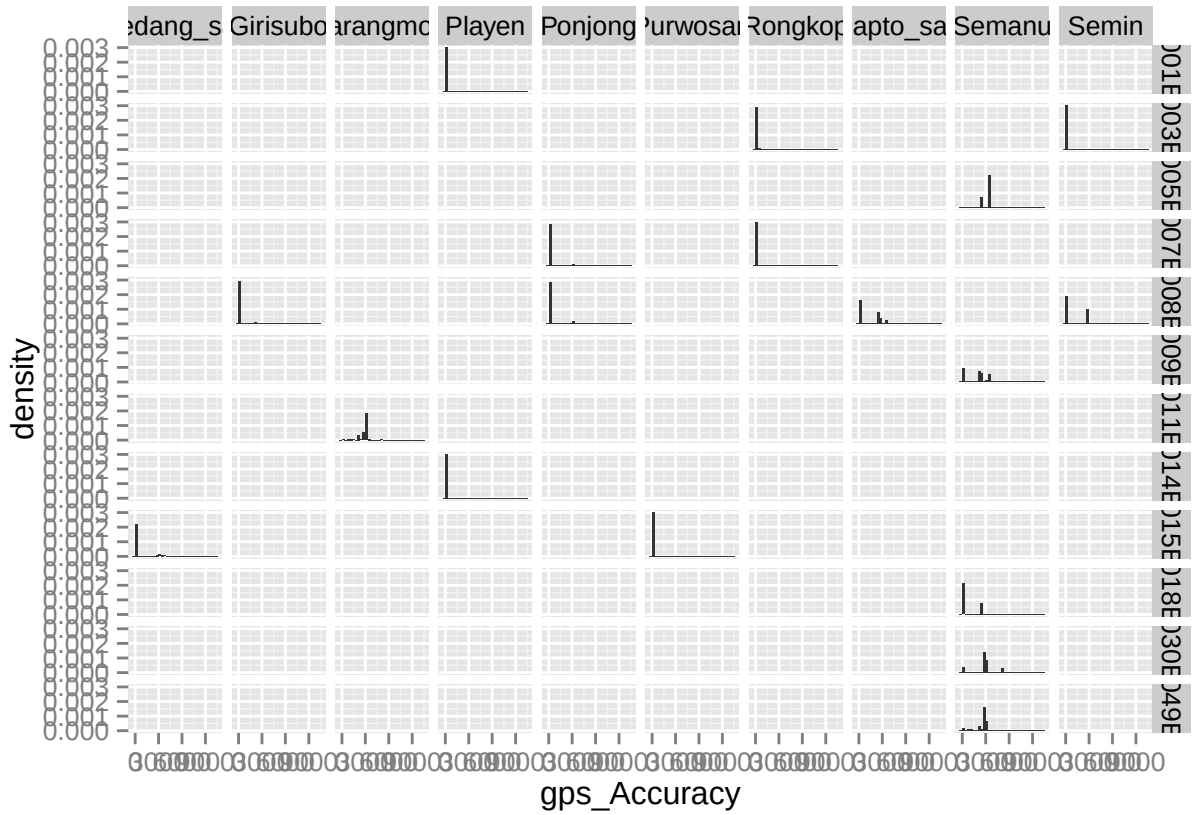
```
source("R/mergeListing.R")
data <- mergeListing(dd = "~/Dropbox/CROP/Indonesia/")

gps1 <- data.frame(gps = data$gps1_Accuracy,
                   measure = rep("measure1",n = nrow(data$gps1_Accuracy)))
gps2 <- data.frame(gps = data$gps2_Accuracy,
                   measure = rep("measure2",n = nrow(data$gps2_Accuracy)))

gps <- rbind(gps1,gps2)


ggplot(gps,aes(x=gps)) +
    geom_histogram(data=subset(gps,measure == 'measure1'),fill = "red", alpha = 0.2) +
    geom_histogram(data=subset(gps,measure == 'measure2'),fill = "green", alpha = 0.2)
```

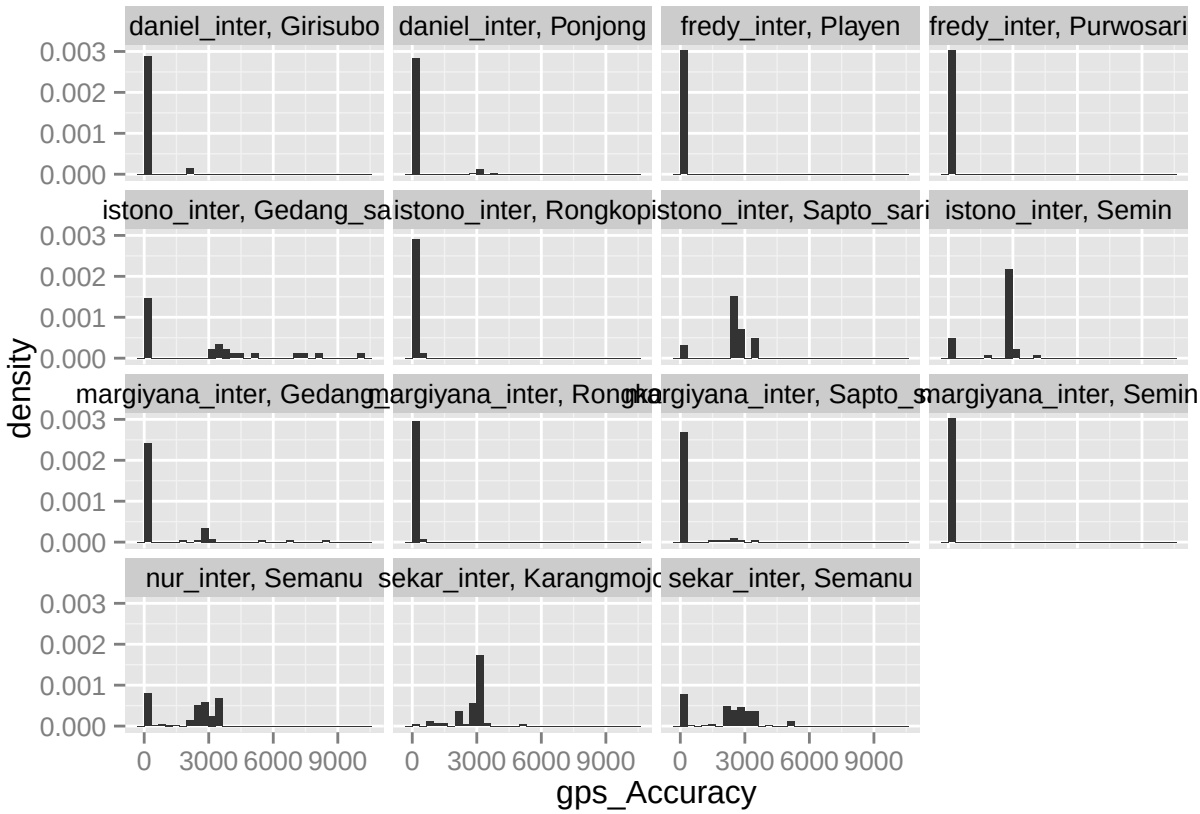



```
source("R/labelFactors.R")
data <- labelFactors(df = data,
                     vars = c("sub_dist_name2","census_block"))

#take most accurate gps reading from each survey
```

```
if(data$gps1_Accuracy > data$gps2_Accuracy){
  data$gps_Accuracy <- data$gps2_Accuracy
} else {
  data$gps_Accuracy <- data$gps1_Accuracy
  }

ggplot(data, aes(gps_Accuracy)) +
  geom_histogram(aes(y = ..density..)) +
  facet_grid(censusBlockLabels~subDistrictNames)
```




```
ggplot(temp, aes(gps_Accuracy)) +
  geom_histogram(aes(y = ..density..)) +
  facet_wrap(Enumerator~subDistrictNames)
```


daniel_inter, Girisubo
daniel_inter, Ponjong
fredy_inter, Playen
fredy_inter, Purwosari
istono_inter, Gedang_sa
istono_inter, Rongkop
istono_inter, Sapto_sari
istono_inter, Semin
margiyana_inter, Gedang
margiyana_inter, Rongk
margiyana_inter, Sapto_s
margiyana_inter, Semin
nur_inter, Semanu
sekar_inter, Karangmojo
sekar_inter, Semanu
density
0.003
0.002
0.001
0.000
0
3000
6000
9000
gps_Accuracy