UH AOT Patient Dashboard

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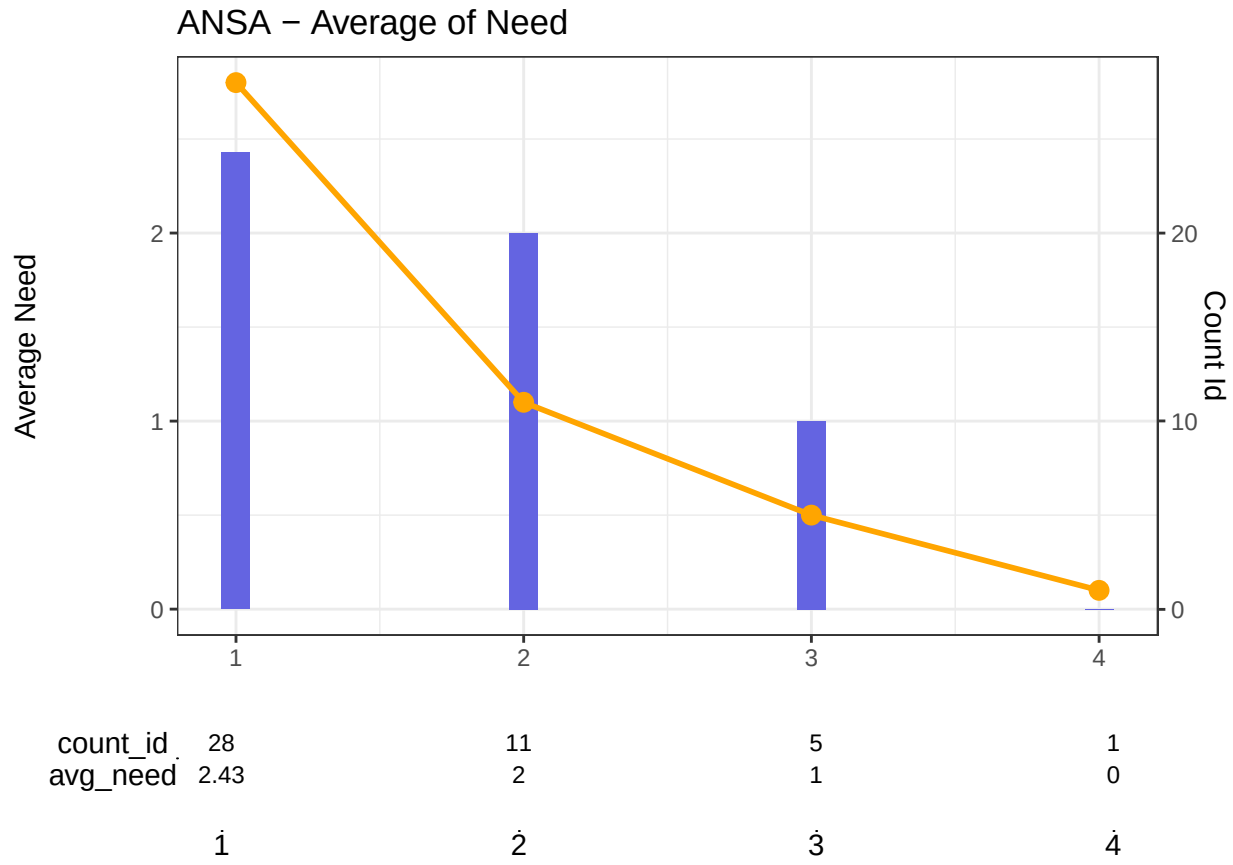
```
# ansa_df <- read_delim("../data/ANSA.csv", delim=",")
# dummy data for now
x <- c(1, 2, 3, 4, 2.43, 2.0, 1.0, 0.0, 28, 11, 5, 1)
m <- matrix(x, nrow=4, ncol=3, dimnames=list(c(1:4),c("label", "avg_need", "count_id")))
df <- as.data.frame(m)
```




```
library(data.table)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

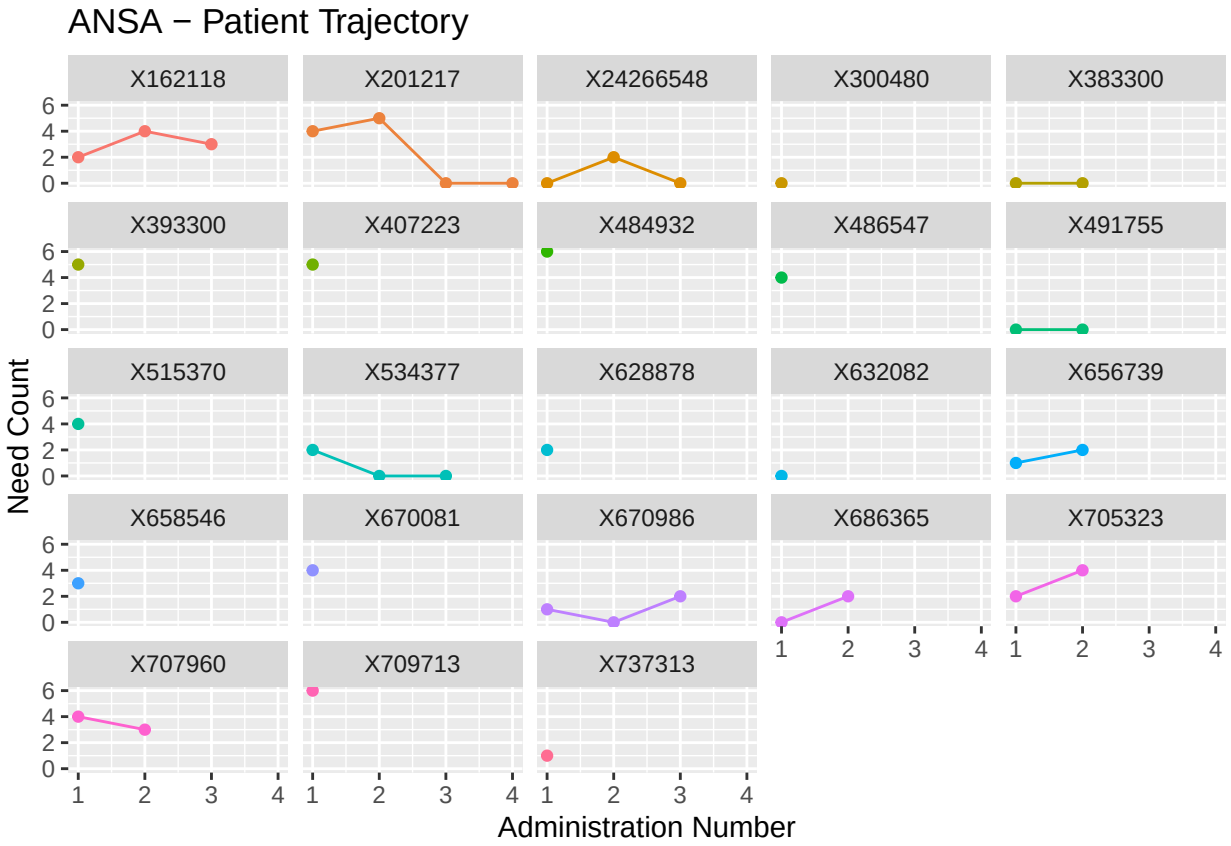
```
## The following objects are masked from 'package:data.table':
##
##     between, first, last
```

```
## The following objects are masked from 'package:stats':
```

```
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(tidyr)

ansa_patient_trajectory_df <- read.csv("../data/ansa_dummy_patient_trajectory.csv")

# transpose and gather into long format
df_t <- transpose(ansa_patient_trajectory_df) %>%
  mutate(id = colnames(ansa_patient_trajectory_df)) %>%
  slice(2:nrow(.)) %>%
  rename(`1`=`V1`, `2`=`V2`,`3`=`V3`,`4`=`V4`) %>%
  relocate(`id`, .before=`1`)

keycol <- "admin_number"
valuecol <- "count"
gathercols <- colnames(df_t)[2:length(colnames(df_t))]

ansa_df <- gather_(df_t, keycol, valuecol, gathercols) %>%
  arrange(id,count) %>%
  filter(!is.na(`count`))

p <- ggplot(ansa_df, mapping=aes(x=as.numeric(`admin_number`), y=`count`, color=`id`)) +
  geom_point() +
  geom_line(group=1) +
  facet_wrap(~`id`) +
  theme (legend.position = "none") +
  xlab("Administration Number") +
  ylab("Need Count") +
  ggtitle("ANSA - Patient Trajectory")
suppressMessages(print(p))
```


ANSA − Patient Trajectory
X162118
X201217
X24266548
X300480
X383300
X393300
X407223
X484932
X486547
X491755
X515370
X534377
X628878
X632082
X656739
X658546
X670081
X670986
X686365
X705323
X707960
X709713
X737313
Need Count
Administration Number
0
2
4
6
1
2
3
4