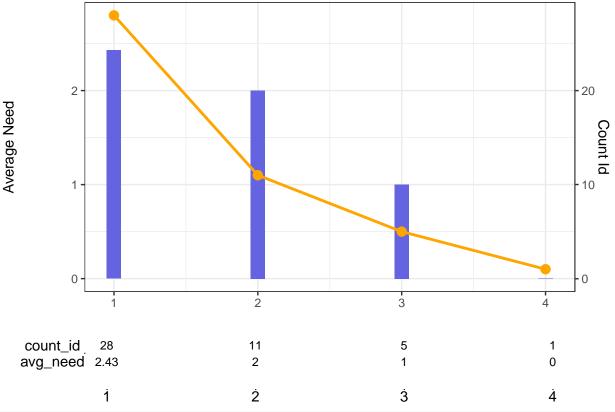
UH AOT Patient Dashboard

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```
bar color \leftarrow rgb(100/255,100/255,225/255,1)
# ansa_df <- read_delim("../data/ANSA.csv", delim=",")</pre>
# dummy data for now
x \leftarrow 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)</pre>
# second axis example: https://www.r-graph-gallery.com/line-chart-dual-Y-axis-ggplot2.html
# underlying table example using ggpubr:
\# \ https://www.datanovia.com/en/blog/how-to-create-a-beautiful-plots-in-r-with-summary-statistics-labels
coeff <- 10 # scaling transform for second axis</pre>
ansa_avg_need_plot <- ggplot(df, mapping=aes(x=`label`, y=`avg_need`)) +</pre>
  geom_bar(stat="identity", width=0.1, fill=bar_color) +
  geom_line(aes(y=`count_id`/coeff), size=1.0, color="orange") +
  geom_point(aes(y=`count_id`/coeff), size=3, color="orange") +
  scale y continuous(
    name = "Average Need",
    sec.axis = sec_axis(~.*coeff, name="Count Id")
  ylab("Average Need") +
  ggtitle("ANSA - Average of Need") +
  theme bw() +
  theme(axis.title.x=element_blank())
ansa_avg_table <- ggsummarytable(df, x="label", y=c("count_id", "avg_need"), digits = 2,
                                  ggtheme = theme_void())
ggarrange(
  ansa_avg_need_plot, ansa_avg_table, ncol=1, align = "v", heights = c(0.80, 0.20)
```

ANSA - Average of Need



```
ansa_patient_trajectory_df <- read.csv("../data/ansa_dummy_patient_trajectory.csv")</pre>
# 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"</pre>
valuecol <- "count"</pre>
gathercols <- colnames(df_t)[2:length(colnames(df_t))]</pre>
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`)) +</pre>
  geom_point() +
  geom_line() +
  facet_wrap(~`id`) +
  theme (legend.position = "none") +
  xlab("Administration Number") +
  ylab("Need Count") +
  ggtitle("ANSA - Patient Trajectory")
suppressMessages(print(p))
```

ANSA – Patient Trajectory

