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# Set the seed for reproducibility
set.seed(123)

# Generate data

#assume Matt and Ash are a couple, similar lambda
##Ash reads slightly faster than Matt

df <- tibble(
  Day = 1:100,
  Matt = rpois(100, lambda = 37),
  Ash = rpois(100, lambda = 40),
  Jacki = rpois(100, lambda = 25),
  Rol = rpois(100, lambda = 54),
  Mike = rpois(100, lambda = 16)
)

df

## # A tibble: 100 x 6
##   Day Matt Ash Jacki Rol Mike
##   <int> <int> <int> <int> <int> <int>
## 1     1    33    38    19    60    21
## 2     2    44    30    29    52    16
## 3     3    26    34    17    56    18
## 4     4    37    45    18    47    19
## 5     5    47    42    16    70    19
## 6     6    39    42    23    74    13
## 7     7    29    43    22    60    27
## 8     8    26    51    20    57    21
## 9     9    44    43    32    49    11
## 10    10    39    35    24    43    15
## # i 90 more rows

df_long <- df %>% pivot_longer(cols = -Day, names_to = "Person", values_to = "Value")

# Plot the data
ggplot(df_long, aes(x = Day, y = Value, color = Person)) +
  geom_line() +
  labs(x = "Day", y = "Value", title = "Pages Read over 100 Days") +
  theme_minimal()

```

