

# Easy NFL Rookie Visualizations

2023-12-03

```
# Create data frame for weeks 1-8
data_weeks_1_8 <- data.frame(
  Player = c("Flowers", "Nacua", "Mingo", "Addison", "JSN", "Dell", "Reed", "Palmer", "Hyatt", "Johnston", "Mingo"),
  Routes_Run_Percentage = c(90.1, 88.4, 75.1, 72.3, 67.1, 63.5, 62.7, 62.1, 49.2, 44.2, 37.5, 41.2, 28.1)
)

# Create data frame for weeks 9-12
data_weeks_9_12 <- data.frame(
  Player = c("Addison", "Mingo", "Flowers", "Nacua", "Dell", "JSN", "Douglas", "Palmer", "Johnston", "Mingo", "Mingo"),
  Routes_Run_Percentage = c(93.8, 91.6, 85.4, 84.8, 82.8, 73.6, 72.6, 71.8, 71.1, 64.6, 60.3, 54.1, 54.1)
)

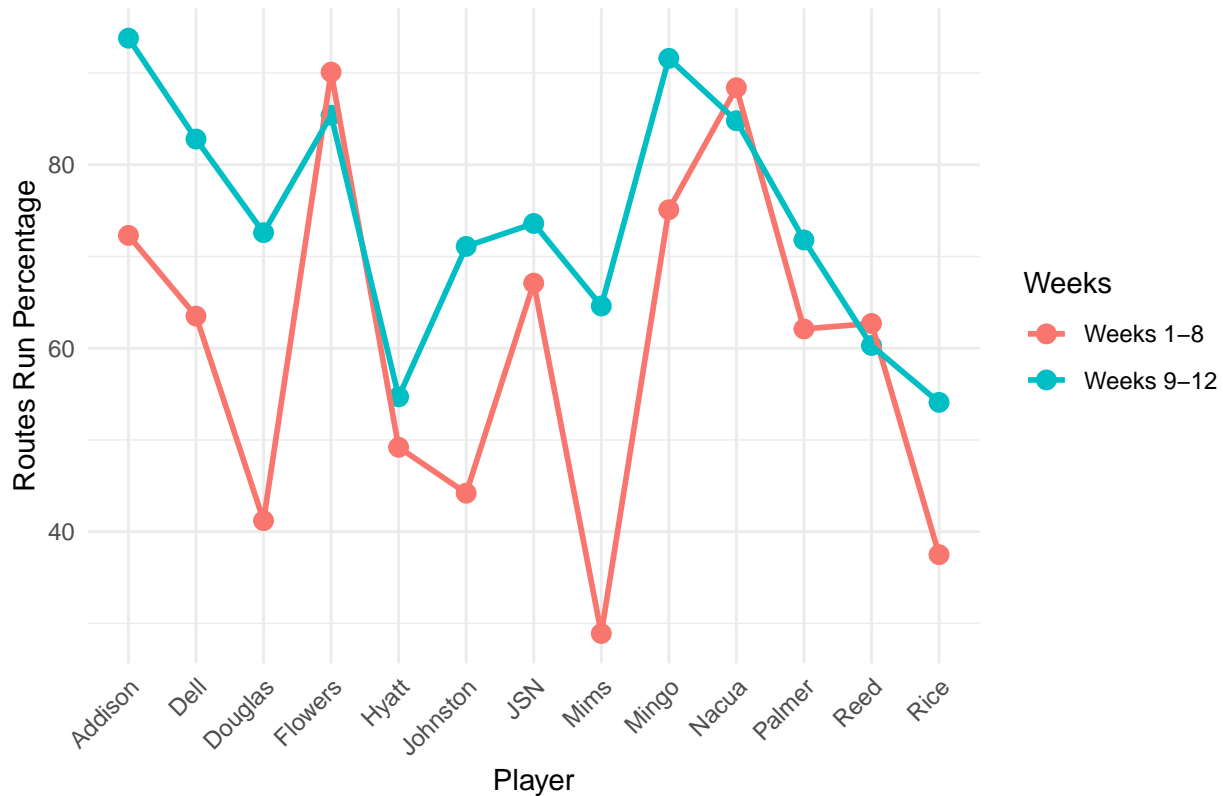
# Combine the data frames
combined_data <- rbind(
  transform(data_weeks_1_8, Weeks = "Weeks 1-8"),
  transform(data_weeks_9_12, Weeks = "Weeks 9-12")
)

library(ggplot2)

ggplot(combined_data, aes(x = Player, y = Routes_Run_Percentage, color = Weeks)) +
  geom_point(size = 3) +
  geom_line(aes(group = Weeks), size = 1) +
  labs(title = "Rookie RR%/Dropback - Weeks 1-8 vs Weeks 9-12",
       x = "Player",
       y = "Routes Run Percentage") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

```
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.
## i Please use 'linewidth' instead.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```

## Rookie RR%/Dropback – Weeks 1–8 vs Weeks 9–12



```
# Create data frame for running backs' expected fantasy points share - Weeks 1-8
rb_data_weeks_1_8 <- data.frame(
  Player = c("Gibbs", "Hall", "Robinson", "Ford", "Spears", "Charbonnet", "Mitchell"),
  Fantasy_Points_Share = c(19.5, 19.8, 18.6, 14.8, 12.7, 7.1, 3.2),
  Weeks = rep("Weeks 1-8", 7)
)

# Create data frame for running backs' expected fantasy points share - Weeks 9-12
rb_data_weeks_9_12 <- data.frame(
  Player = c("Gibbs", "Robinson", "Ford", "Charbonnet", "Spears", "Mitchell", "Hall"),
  Fantasy_Points_Share = c(24.2, 24.1, 19.4, 16.9, 12.2, 9.1, 19.8),
  Weeks = rep("Weeks 9-12", 7)
)

# Combine the data frames for the scatter plot
combined_rb_data <- rbind(
  transform(rb_data_weeks_1_8, Position = "RB", Team = "Team A"),
  transform(rb_data_weeks_9_12, Position = "RB", Team = "Team A")
)

library(ggplot2)

# Create scatter plot
ggplot(combined_rb_data, aes(x = Player, y = Fantasy_Points_Share, color = Weeks)) +
  geom_point(size = 3) +
  geom_line(aes(group = Weeks), size = 1) + # Add lines
  labs(title = "Rookie RB FP Share - Weeks 1-8 vs Weeks 9-12",
```

```
x = "Player",
y = "Fantasy Points Share") +
theme_minimal() +
theme(axis.text.x = element_text(angle = 45, hjust = 1))
```

