NFL QB Stats by Divisional Game–Does Performance Change Significantly?

Scatterplot, Anova table, paired t-test

Divisional vs. Non-Divisional Passer Rating
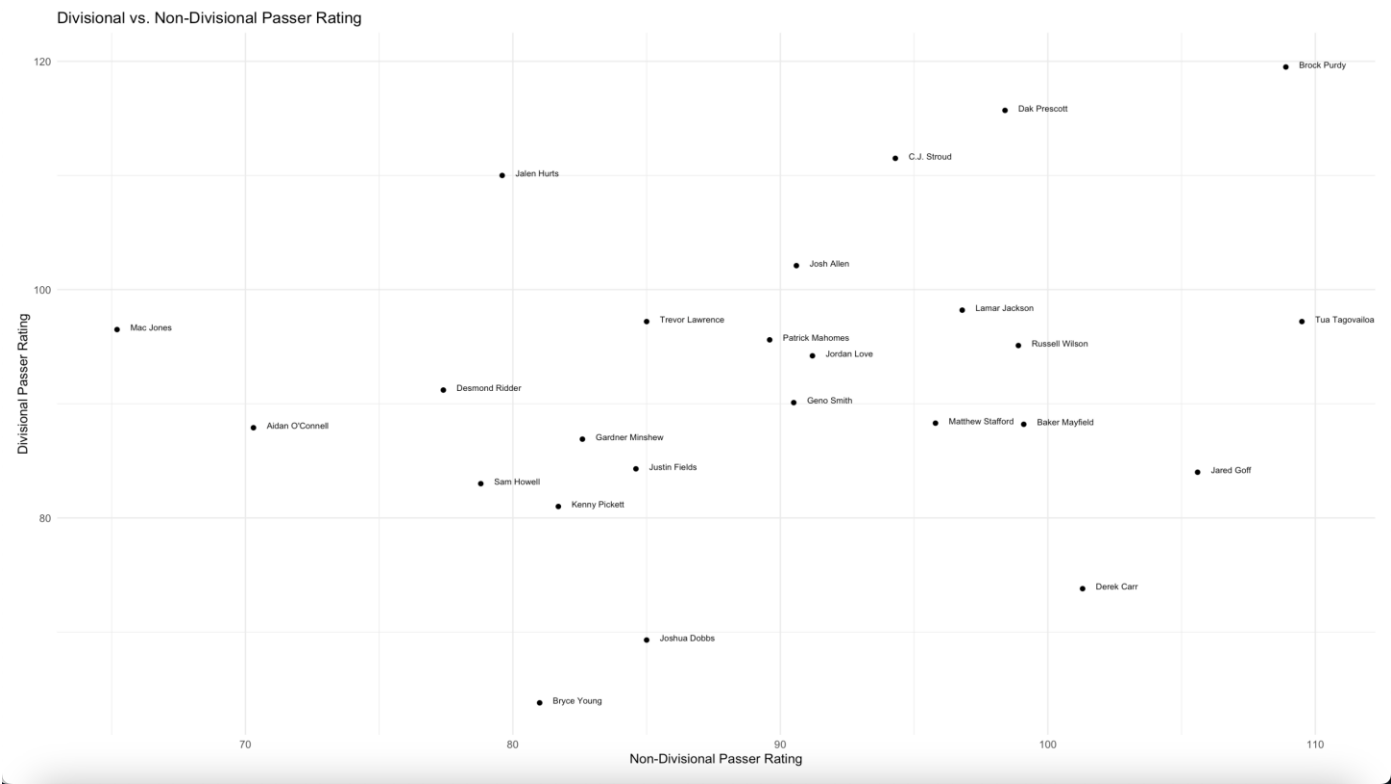
```{r}
library(dplyr)

#anova
anova_result <- aov(`non-divisional passer rating` ~ `Divisional Passer Rating`, data = combined_table)

summary(anova_result)

```

```
                          Df Sum Sq Mean Sq F value Pr(>F)
`Divisional Passer Rating`  1  232.2   232.2   1.851  0.187
Residuals                  23 2886.0   125.5
```

```
        Paired t-test

data:  combined_table$`Divisional Passer Rating` and combined_table$`non-divisional passer rating`
t = 0.8368, df = 24, p-value = 0.411
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -3.689516  8.721516
sample estimates:
mean difference
         2.516
```