Tennis Big 3

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2023-01-11

```r
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.4.0      v purrr   1.0.0
## v tibble  3.1.8      v dplyr   1.0.10
## v tidyr   1.2.1      v stringr 1.5.0
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
library(tibble)
library(ggplot2)
library(readxl)
```

```r
Big_3 <- read_excel('C:\\Users\\calla\\Desktop\\Github\\Big_3.xlsx')
```

```r
ggplot(Big_3, aes(year, gs_won)) +
  geom_line(aes(color = player)) +
  scale_color_manual(values = c("Blue", "Green", "Orange")) +
  labs(
    x = "Year",
    y = "Number of Grand Slams",
    color = "Player",
    title = "Annual Grand Slam Haul",
    subtitle = "Every year from 2003 - 2022") +
  theme_minimal()
```

Annual Grand Slam Haul
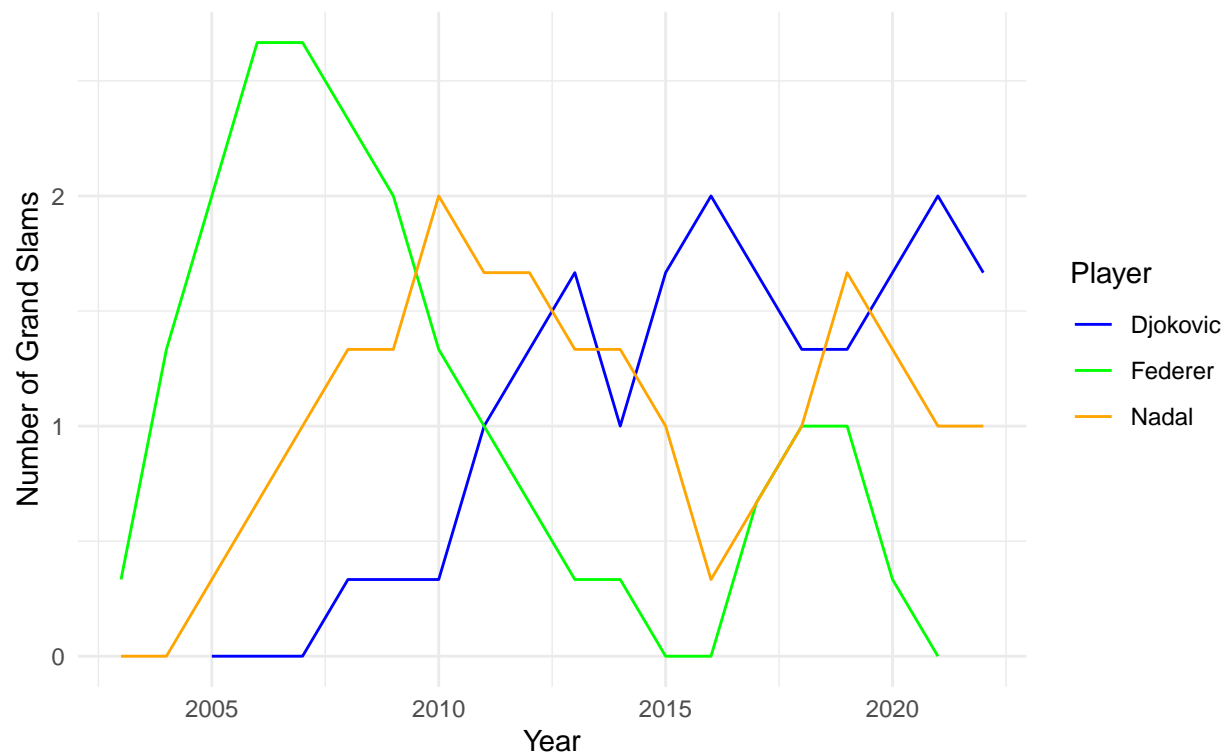Every year from 2003 – 2022
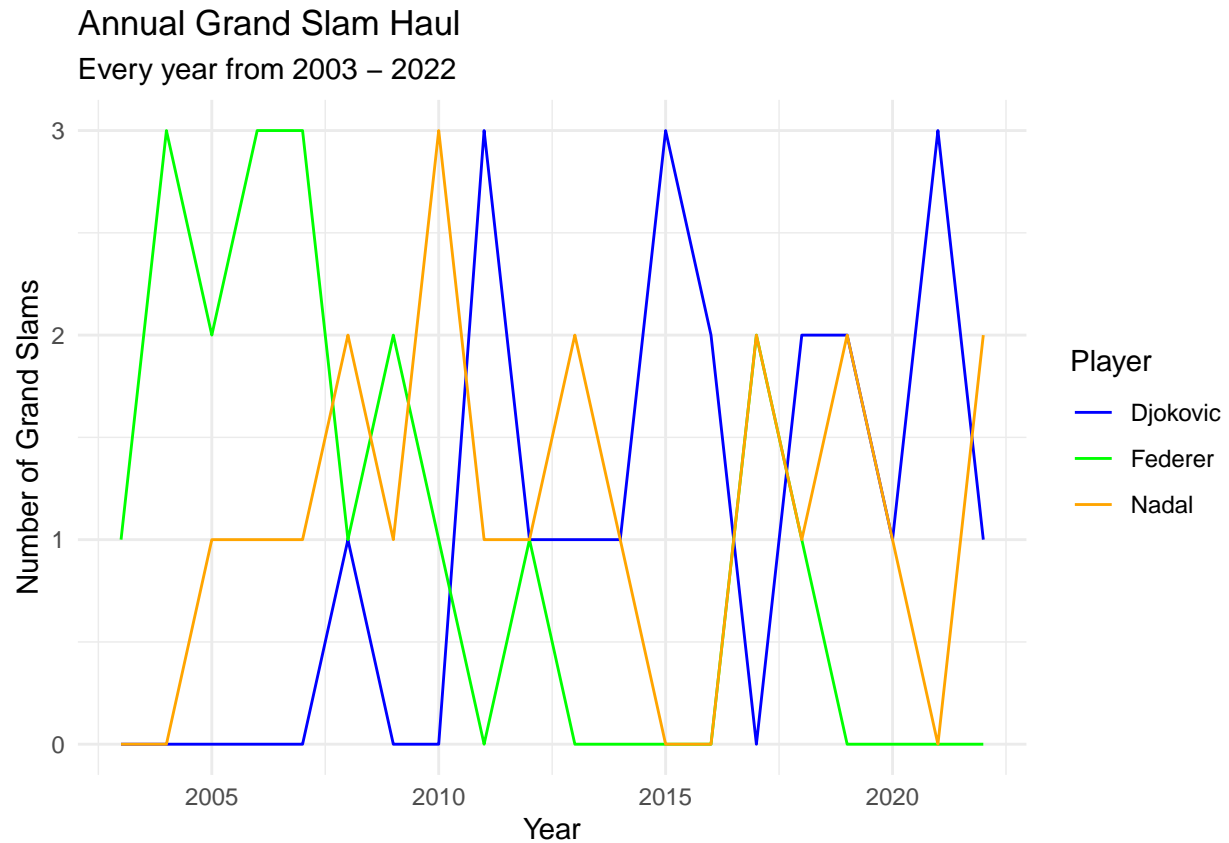

```
ggplot(Big_3, aes(year, rolling_gs_avg)) +
  geom_line(aes(color = player)) +
  scale_color_manual(values = c("Blue", "Green", "Orange")) +
  labs(
    x = "Year",
    y = "Number of Grand Slams",
    color = "Player",
    title = "3-Year Average Annual Grand Slam Haul",
    subtitle = "Every year from 2003 - 2022") +
  theme_minimal()
```

```
## Warning: Removed 3 rows containing missing values (`geom_line()`).
```

3–Year Average Annual Grand Slam Haul

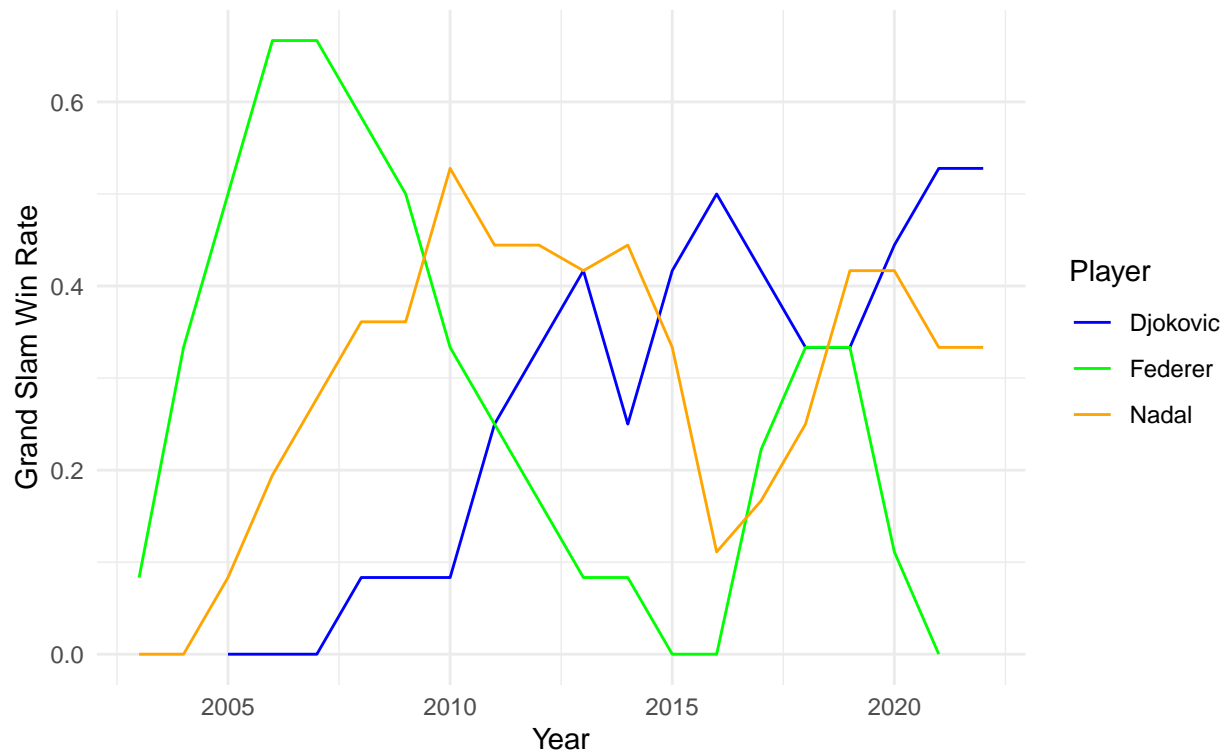### Every year from 2003 – 2022


```
ggplot(Big_3, aes(year, rolling_gs_win_rate)) +
  geom_line(aes(color = player)) +
  scale_color_manual(values = c("Blue", "Green", "Orange")) +
  labs(
    x = "Year",
    y = "Grand Slam Win Rate",
    color = "Player",
    title = "3-Year Average Annual Grand Slam Win Rate",
    subtitle = "Every year from 2003 - 2022") +
  theme_minimal()
```

```
## Warning: Removed 3 rows containing missing values (`geom_line()`).
```

3–Year Average Annual Grand Slam Win Rate

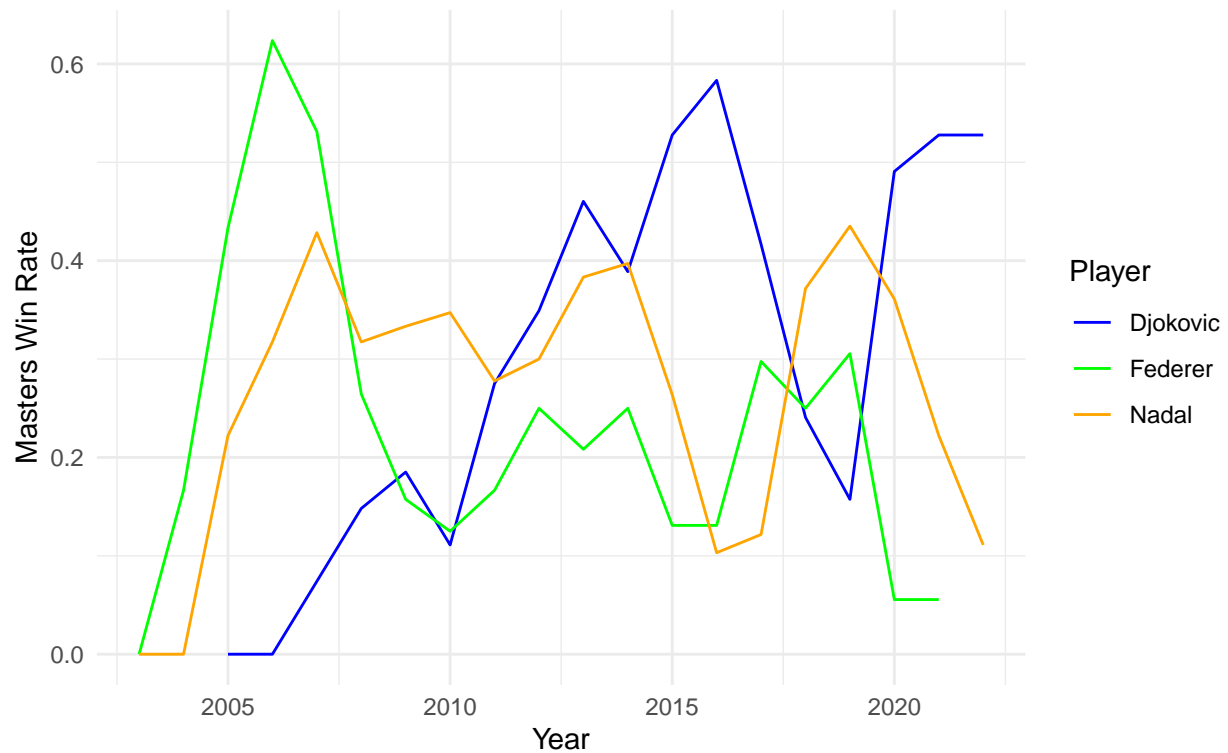Every year from 2003 – 2022


```
ggplot(Big_3, aes(year, rolling_mast_win_rate)) +
  geom_line(aes(color = player)) +
  scale_color_manual(values = c("Blue", "Green", "Orange")) +
  labs(
    x = "Year",
    y = "Masters Win Rate",
    color = "Player",
    title = "3-Year Average Annual Masters Win Rate",
    subtitle = "Every year from 2003 - 2022") +
  theme_minimal()
```

```
## Warning: Removed 3 rows containing missing values (`geom_line()`).
```

3–Year Average Annual Masters Win Rate
Every year from 2003 – 2022


```
ggplot(Big_3, aes(year, rolling_title_win_rate)) +
  geom_line(aes(color = player)) +
  scale_color_manual(values = c("Blue", "Green", "Orange")) +
  labs(
    x = "Year",
    y = "Title Win Rate",
    color = "Player",
    title = "3-Year Average Annual Title Win Rate",
    subtitle = "Every year from 2003 - 2022") +
  theme_minimal()
```

```
## Warning: Removed 2 rows containing missing values (`geom_line()`).
```

3−Year Average Annual Title Win Rate

Every year from 2003 − 2022