

## Question 3

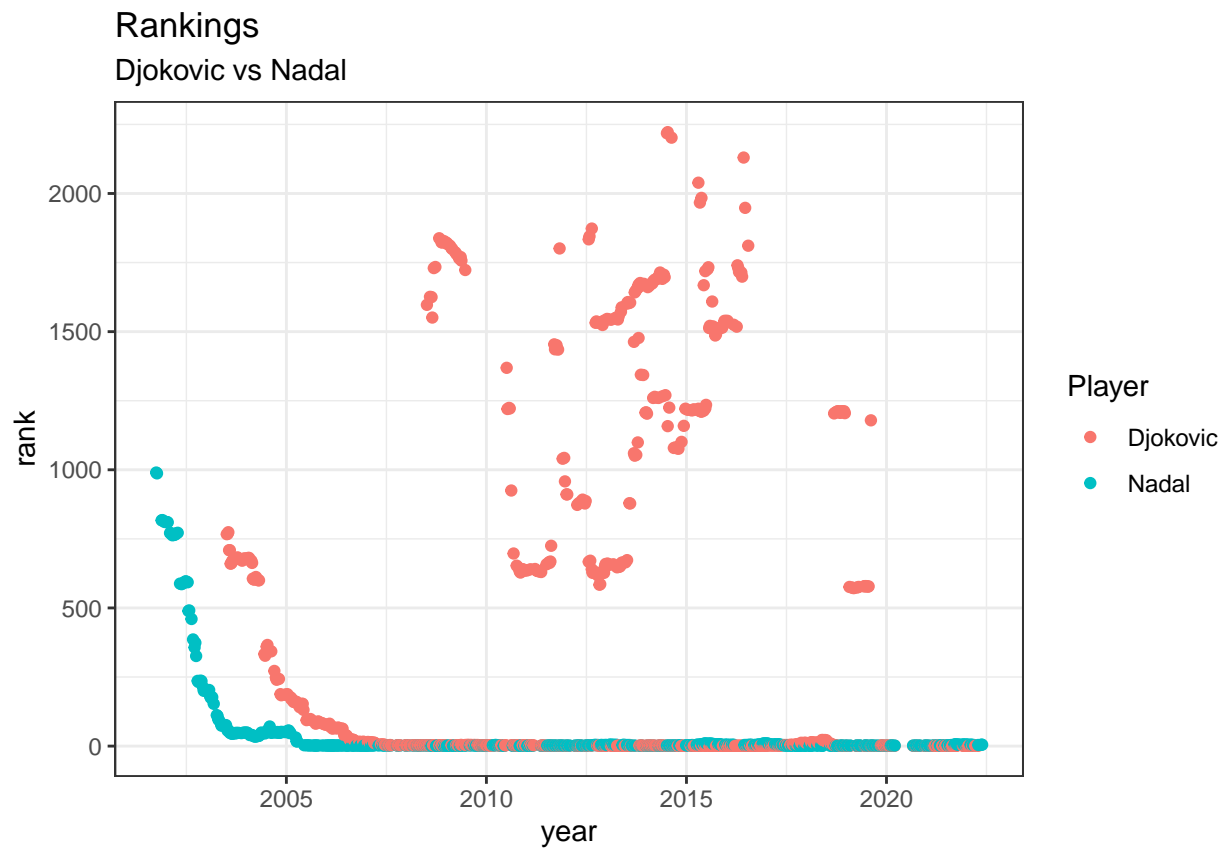
Nadia Matulich

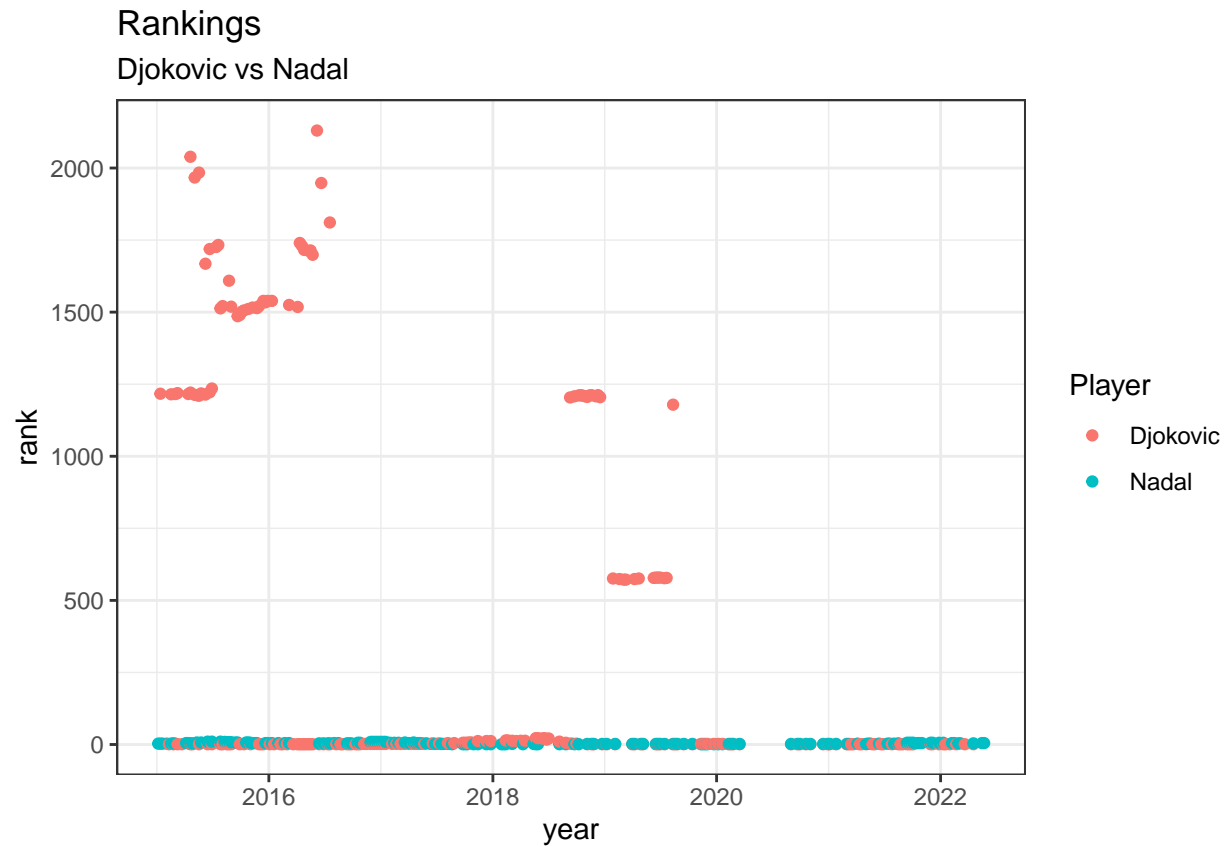
2022-06-17

### Question 3

(using a regular markdown for speed as time is running out and it was not specified in the question)

First attempt to garner insights, see how player rankings of Djokovic and Nadal have evolved over time





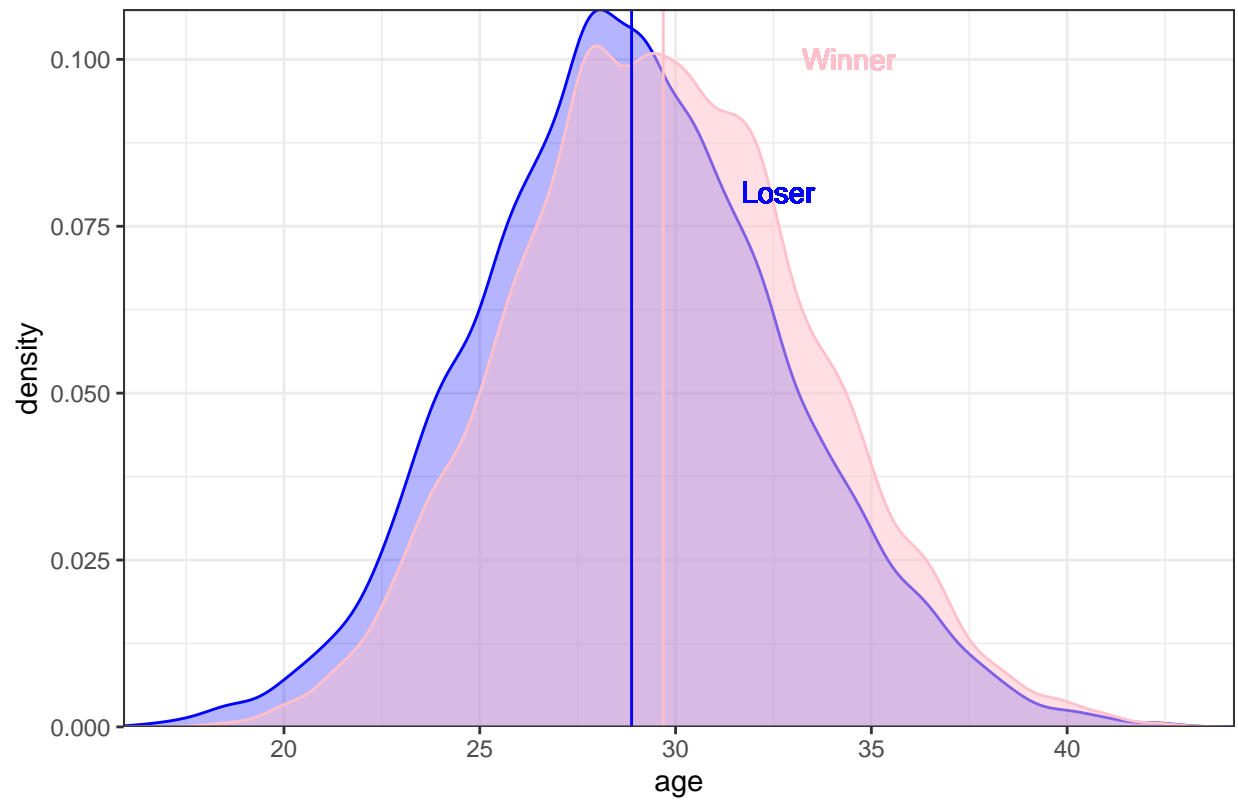
nadal is the more consistent player. Djokovich may sometimes beat him, but he plays better on average.

Next, I want to consider how outcomes differ by pitch type- just the last 22 years

Lets attempt to find out if age is correlated with playing better

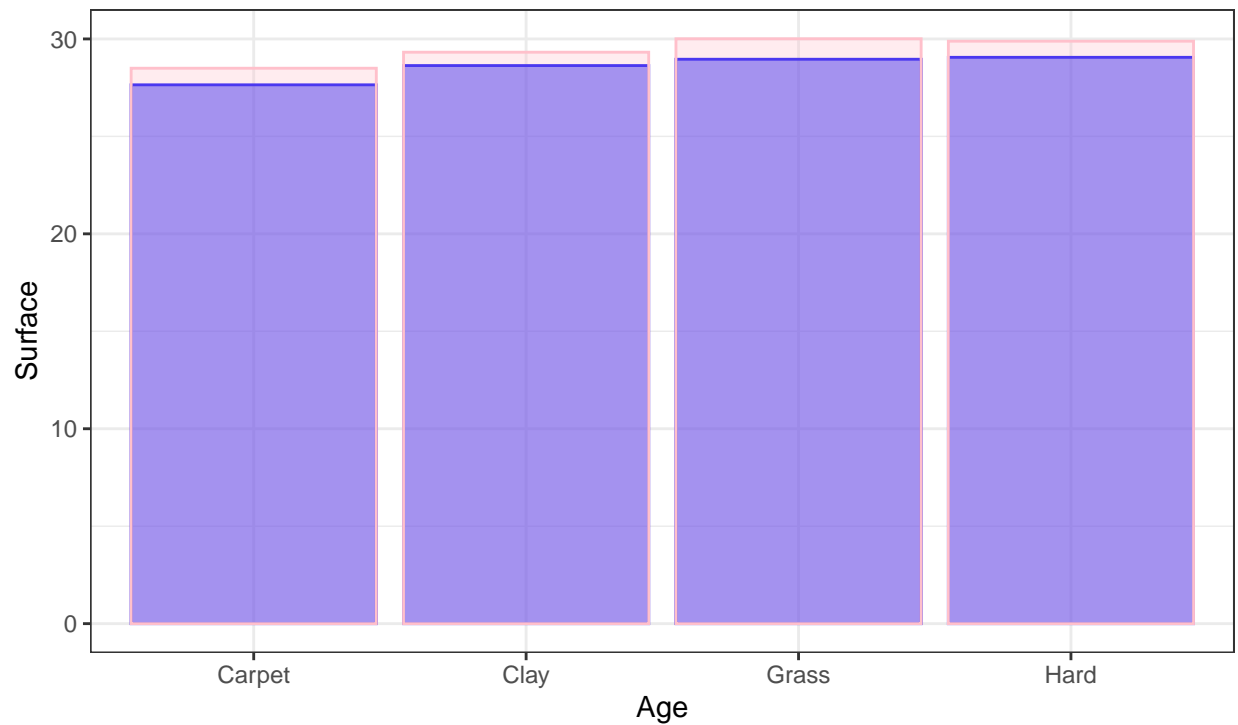
then lets see if this result differs based on pitch type

## Are Younger Doubles Better?



## Do Softer Surfaces Give Younger Doubles an Edge?

Because, you know,  
maybe harder surfaces hurt the knees of the older players



The difference is small but it appears that older players play better and are unaffected by pitch type.