Powerlifting EDA - SQL

Samad Patel

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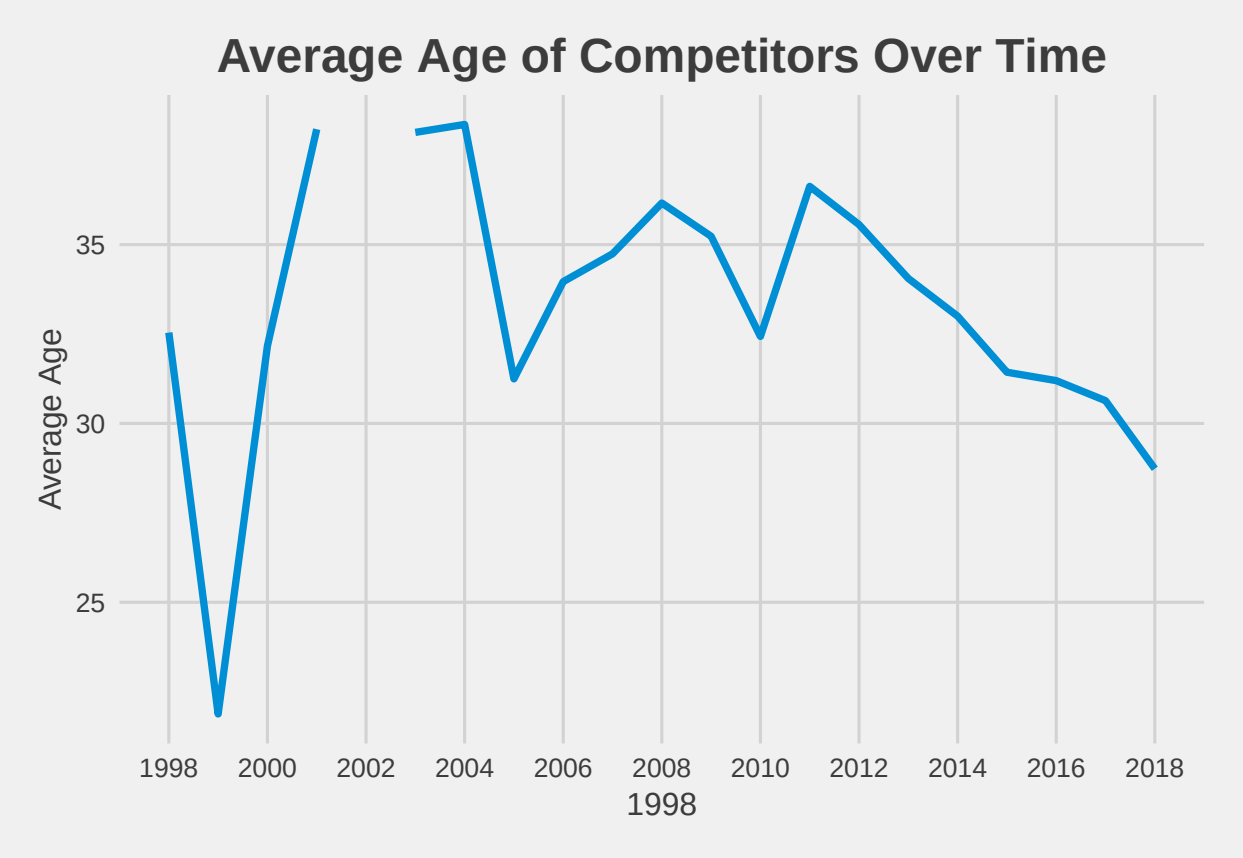
Investigation By Year

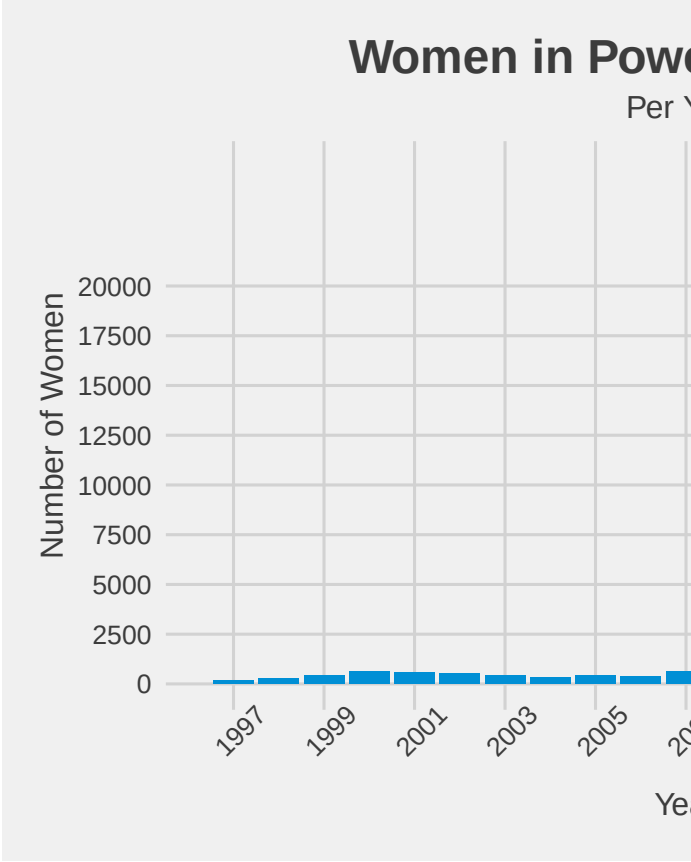
Average Age

We will investigate from 1998 onward, as we have complete data for every year from that point on.

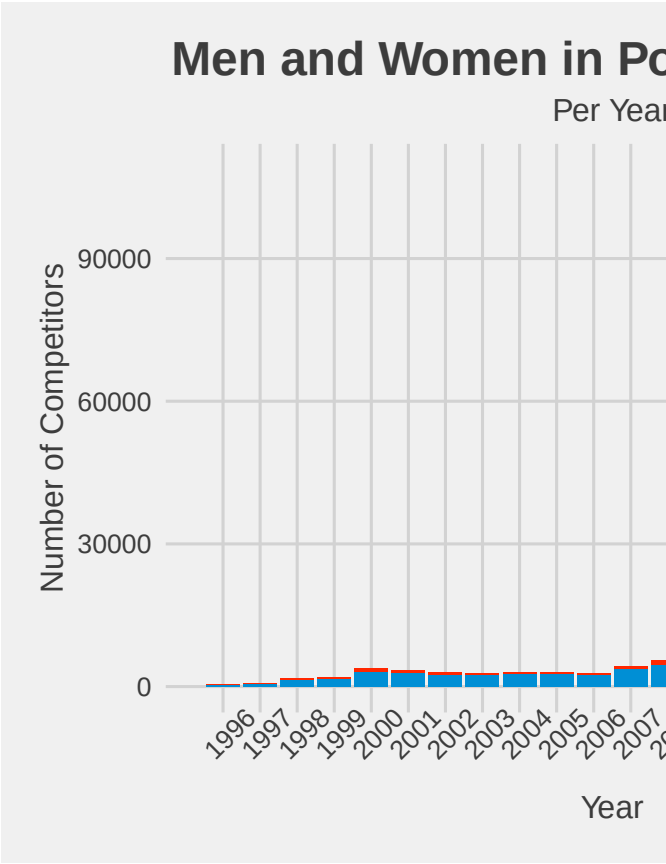


There is no clear trend overall, however it appears as though the average age has been decreasing in the last decade.

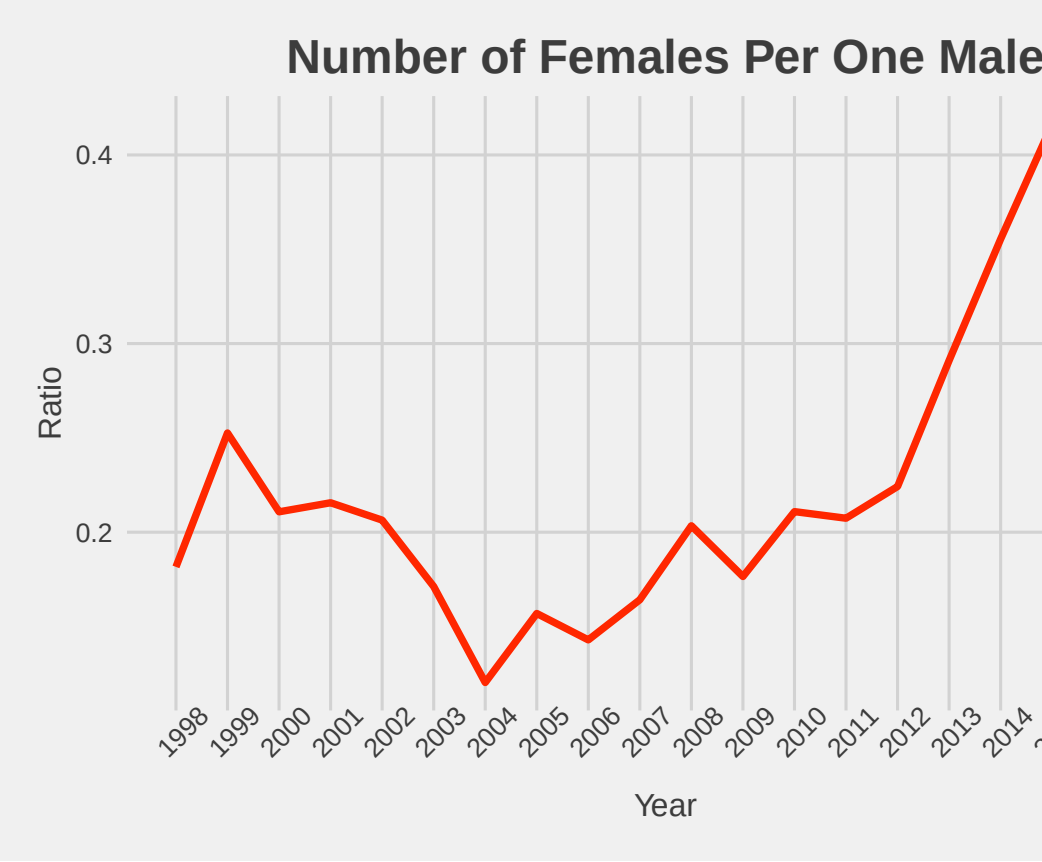
Sexes



First, let's observe the number of women in Powerlifting over time.



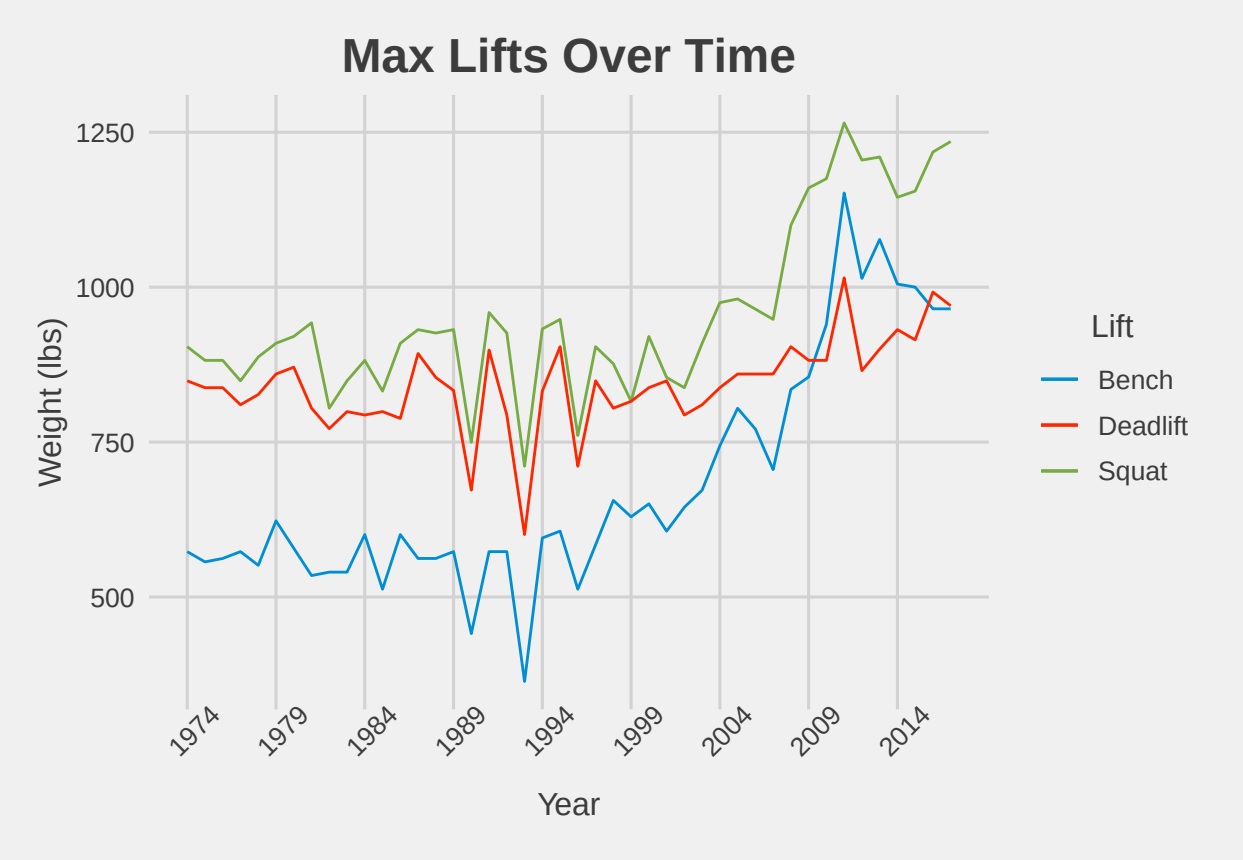
Now let's observe the proportion of women to men in the last decade.



We can also view the explicit ratio.

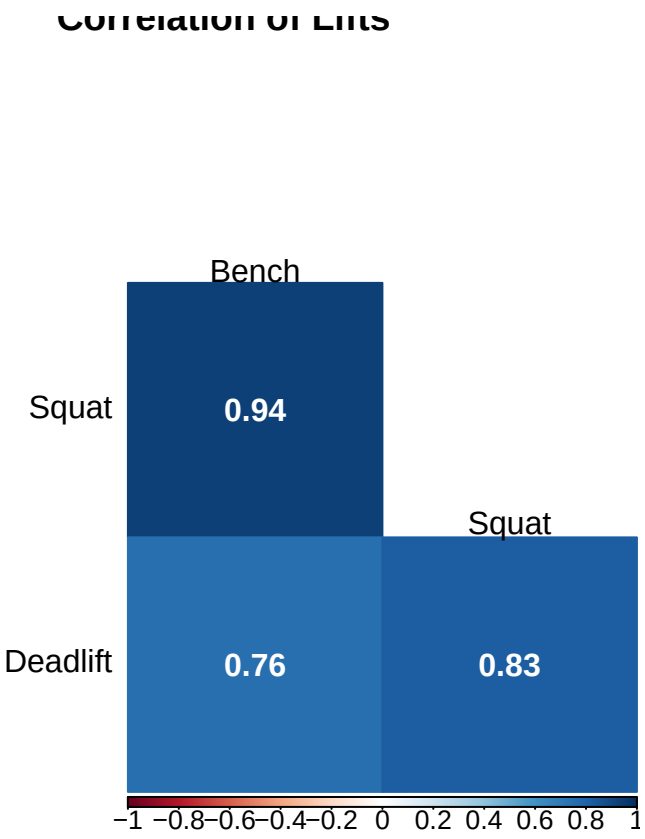
We can clearly observe that more and more women have been competing in powerlifitng over time, with the greatest changes and consistency in trend happening in the last decade.

Bench, Squat, and Deadlift Over Time



The last few years appear a bit suspicious to me, given that Bench is higher than Deadlift by quite a margin. But besides that, it's quite remarkable how similarly they all change together. That makes me interested in what the correlation matrix might look like.

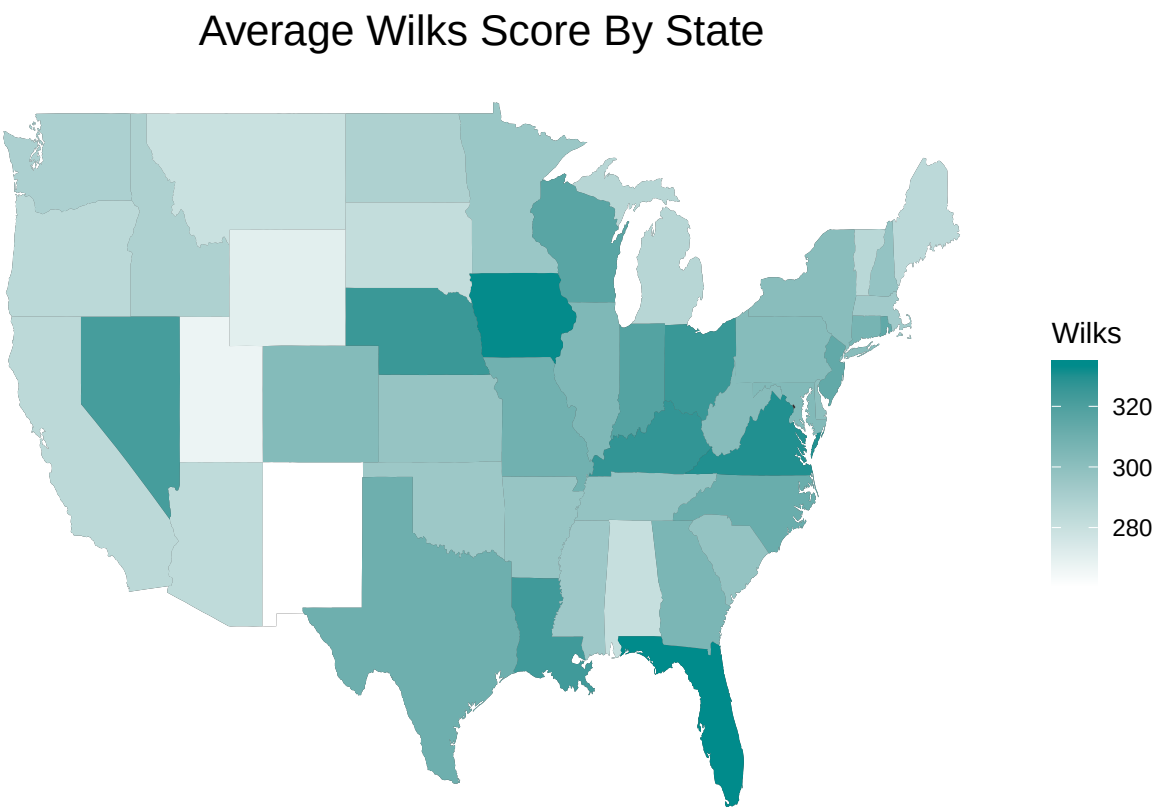
Correlation Matrix



Maps

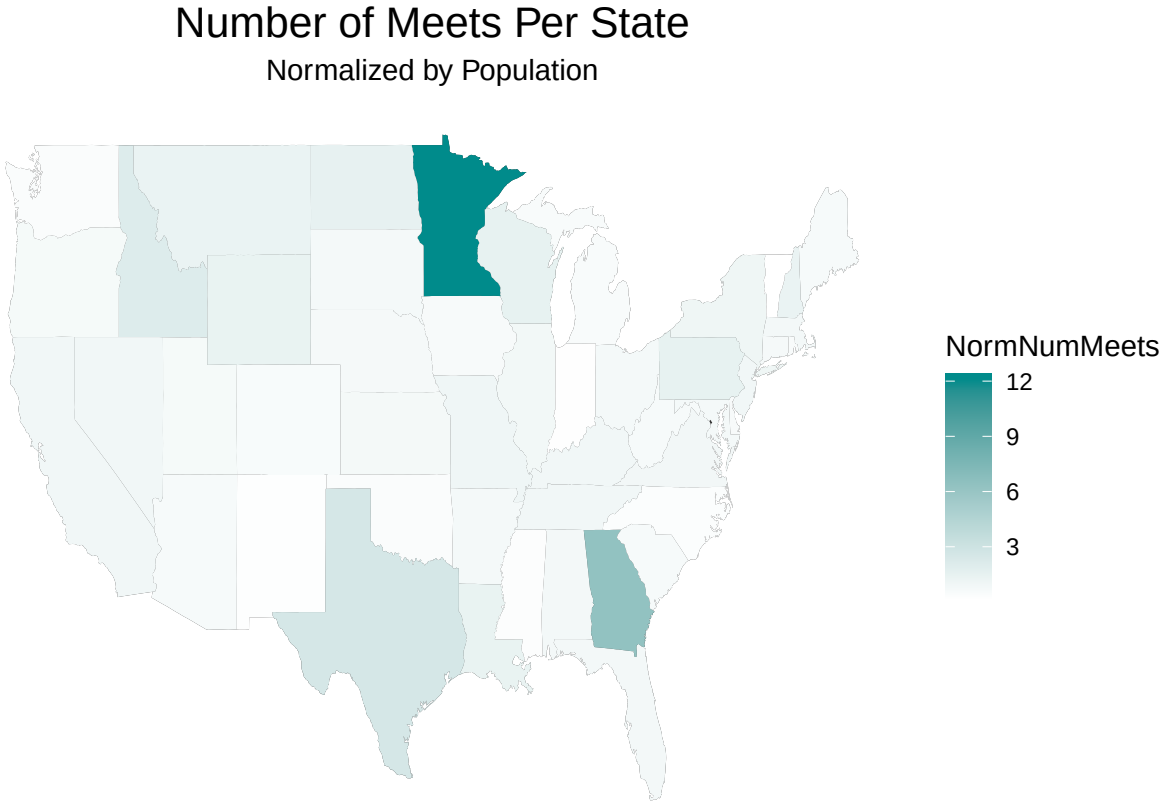
We can use data from the Meet table to create some maps.

Map of Average Wilks Across the Continental US



Number of Meets Relative to Population

Here we will invstigate how many meets there are in each state relative to the State's population. We will make use of the build in dataset state.x77, which contains information concerning state populations. This information is from 1977, so it's not up to date.



Minnesotta is a huge outlier, which skews the appearance of the rest of the map.