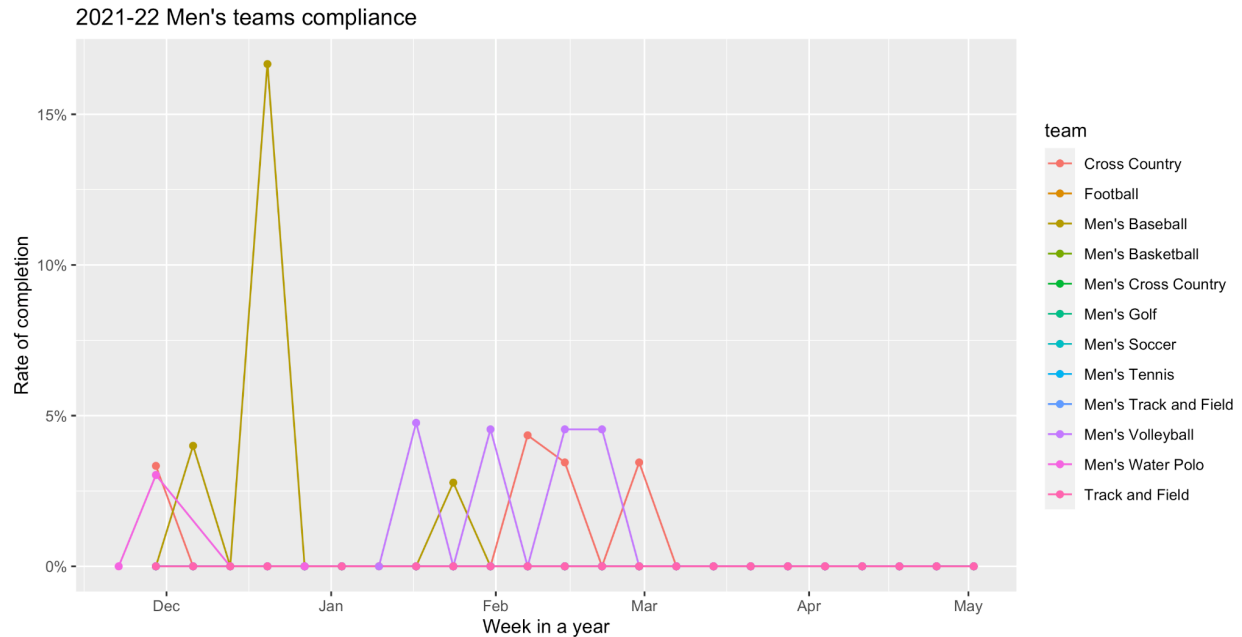
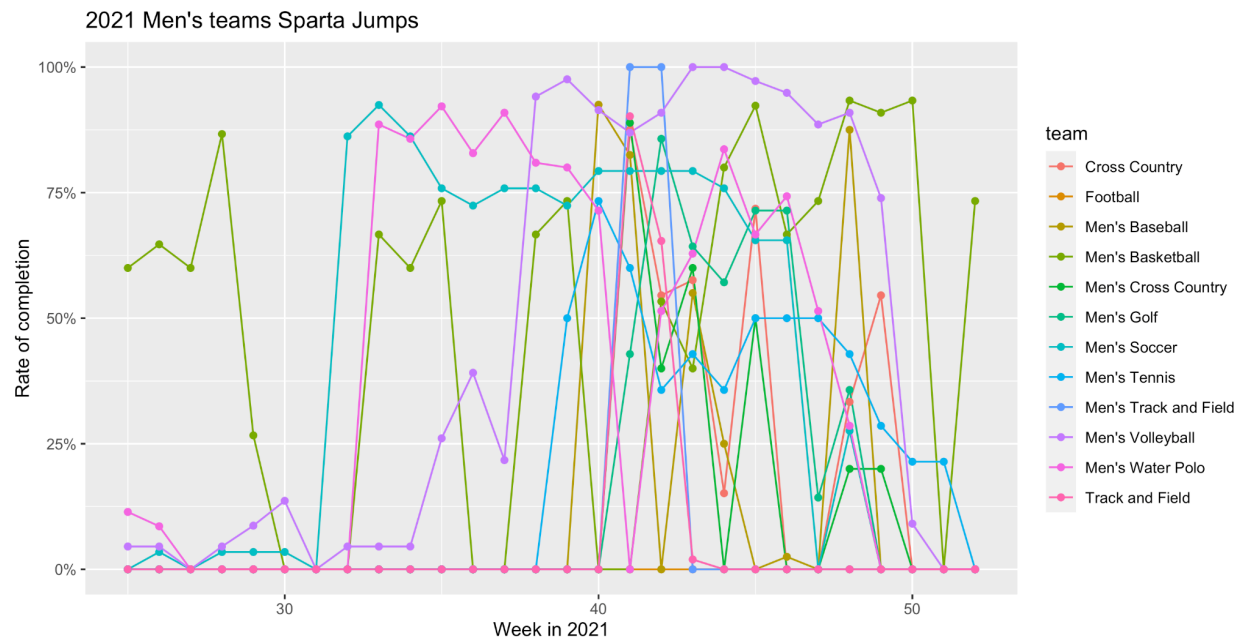


## Analyzing Compliance with Surveys and Athletic Tests

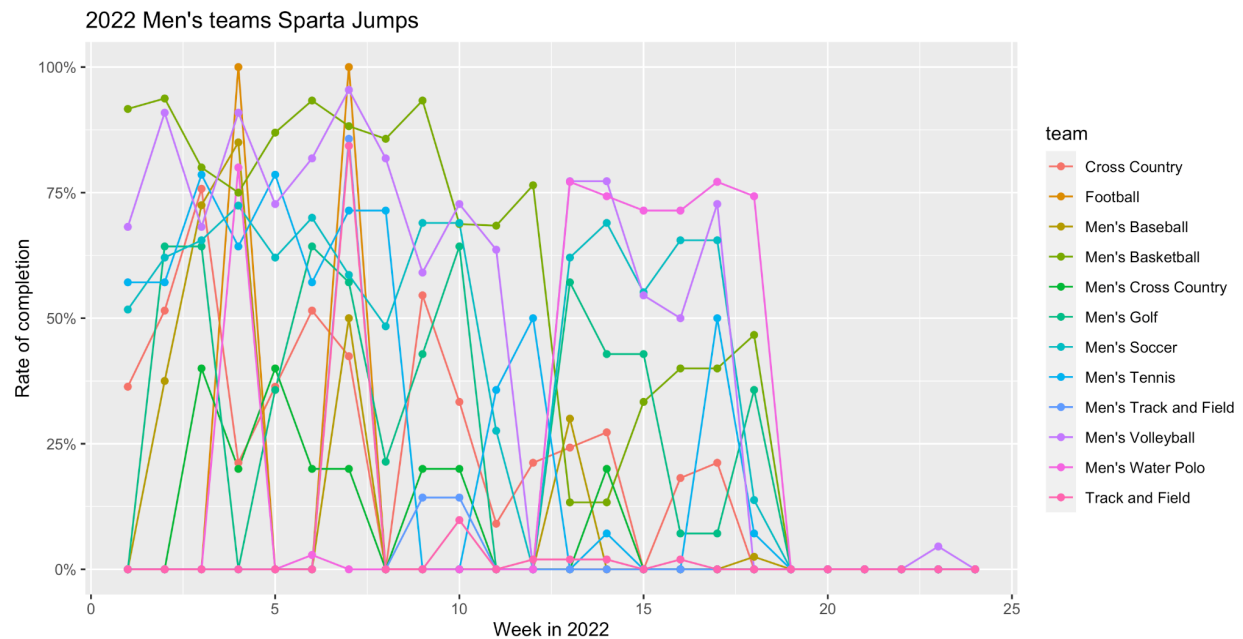
Deana Moghaddas and Tian Ouyang



The graph above displays the weekly percentage of athletes that completed the wellness survey six out of seven days per week amongst men's athletic teams. Men's teams have a low compliance rate with the wellness survey. For most of the teams, we found that they were not compliant with filling out the wellness survey (0% completion throughout the weeks), meaning nobody in these teams filled out the wellness survey 6 out of 7 times a week in any of these teams, during the weeks this year. For the teams that have compliance results, including men's basketball, volleyball, and cross country, we only see a low percentage of completion. We would suggest emphasizing the completion of the wellness surveys during practice, or by setting aside a specific time for the completion of the survey.

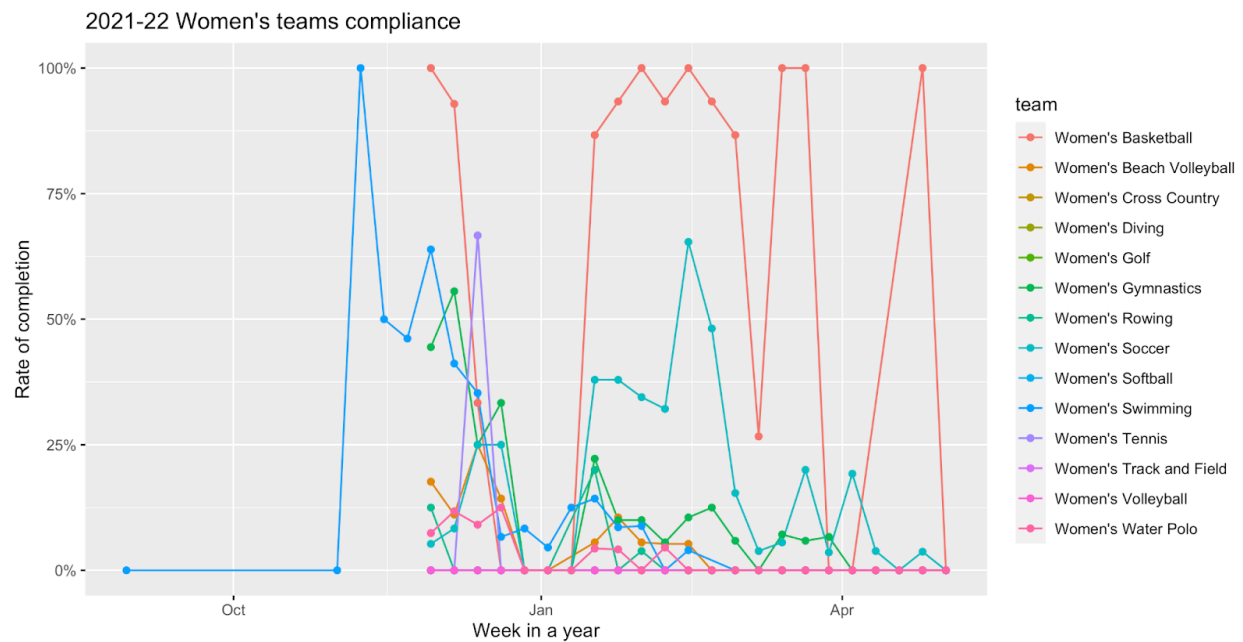


For the Sparta jumps, there are fluctuations in the completion of Sparta jumps. Volleyball, basketball, and soccer have higher completion rates, mostly above 70%. The other teams have other varying degrees of completion, but we noticed that teams seemed to have fallen off during the end of the year, likely due to the winter holiday and final week preparation as well. Track and field seem to have a low level of completion throughout the quarter.



Similar trends can be said about the 2022 Sparta jump performance. However, we noticed that teams have a wider range of fluctuation of completion compared to 2021. We noticed more teams have a completion rate between 0 to 25%, with the second cluster located at 50-70%. It may be due to fatigue and exhaustion as the season progresses. We recommend coaches reiterate the importance of conducting these compliance metrics to ensure a high compliance rate.

The following graph displays the weekly percentage of athletes that completed the wellness survey six out of seven days per week amongst women's athletic teams. Women's basketball consistently delivers high rates of completion while most other teams are not as consistent, usually ranging from 0% to 25% compliance. Teams like women's water polo and volleyball typically have next to 0% weekly compliance. Although compliance is low on average amongst women's teams, it should be noted that it is overall better than compliance amongst men's teams.



The following graphs display the weekly percentage of athletes that performed at least one Sparta jump per week amongst women's athletic teams, with the graphs being separated according to the year. An athlete is considered "compliant" for that week if they perform at least one Sparta jump. Women's track and field consistently has low rates of Sparta jump completion, while teams like women's golf, softball, basketball, and beach volleyball consistently have high rates of Sparta jump completion. Trends do not differ greatly between years, however, we recommend implementing measures that work to improve recent and future trends.



