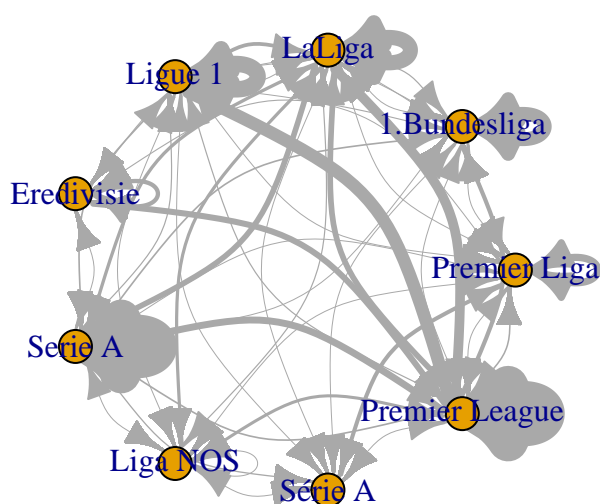


HW 5 - Network visualization

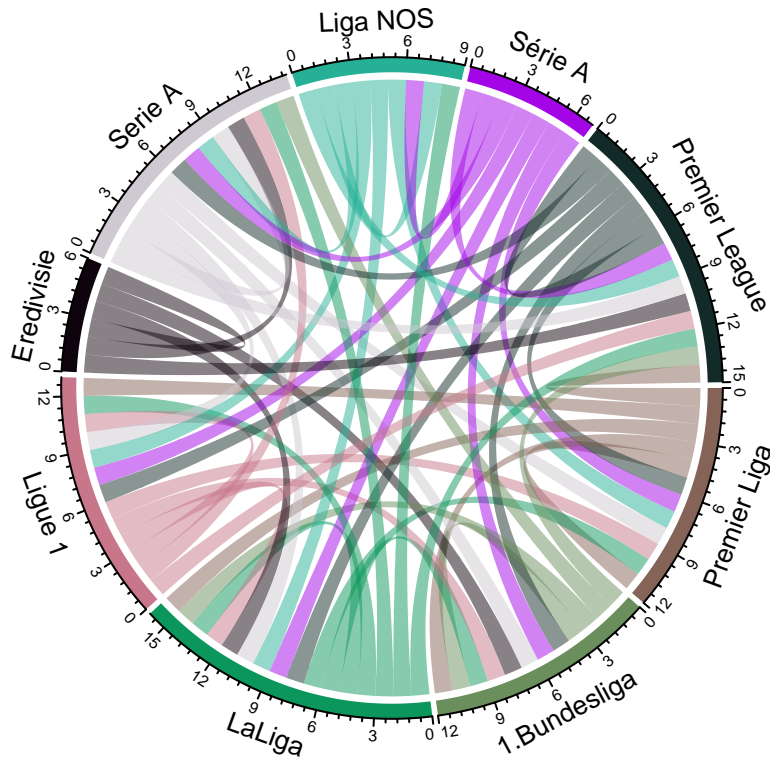
Narek Sahakyan

11/20/2019

Dear Mr. Madoyan, I have decided to analyze the transfer market as a network. The data contains 4700 transfers from season 2000-2001 upto 2018-2019. As the number of teams is huge, I have decided to filter out the deals between the teams from top 10 leagues.



As we can see the top 5 leagues are strongly interconnected to each other, as most of the transfers take place between the teams from the top 5. We can also see loops, meaning that many transfers take place in the same league. It is visible that Premier League teams are the most attracting as the majority of the transfers happen end up having a buyer club from the Premier League. The league also has high positions in terms of inside the league transfers, alongside with Serie A. Serie A and Premier League have higher number of inside league transfers in comparison with the other representatives of the top 5 (France, Spain, Germany).



Almost the same picture is expressed in this visualization, however we can clearly notice that the teams from the non top 5 leagues such as Portugal(Liga Nos, Eredivisie) mostly sell their players to top 5 leagues teams rather than buying them. Most of the incoming transfers are from non popular leagues such as the Brazilian league. I know that there are two teams in Portugues league that are experts in buying young Brazilian players and then selling them to top leagues. On the other side Ajax, one of the most famous teams of in the world in terms of its own academy. Following Ajax's principle most of the Eredivisie teams rise and sell their best players. However, we can see that the Russian League has relatively higher number of incoming transfers in comparison with the noted countries. In my opinion the high salaries in Russian teams attract the players, or most of them are about to finish their career. As with the age, the abilities of the players seem to get worse, they often switch to weaker teams to gain more gaming practice or just make money