

### **1st chart: A network diagram of how foreign professional soccer players from various countries are connected to CSL teams.**

#### Reason:

- While the network diagram on page load may look like a haphazard mess to some, I feel that this chart type best represents complexity of the dataset. There are certain useful insights on first glance such as countries and teams responsible for large number of foreign player imports. Team nodes gravitate to the countries where most of its players originate from. Hovering over any team node will only show the relevant country-player-team connections.

#### To improve upon:

- When a team node is hovered upon, ideally player names should appear. While this can be done, because of the large number of players originating from a country (eg. Brazil), the names tend to overlap messily. I would need to investigate a solution to implement text collision to prevent this overlap.

### **2nd chart: Beeswarm plot of each player's age**

#### Reason:

- The CSL has often been criticised as a league for foreign soccer players past their glory years to 'retire'. However, in recent times, young players such as Oscar (Brazil) and Yannick Carrasco (Belgium) have move to CSL. I thought that it would be interesting to visualize the ages at which players entered CSL.

#### To improve upon:

- Currently, dummy ages are assigned to players due to time constraints. The ages would have to be extracted from each player's biography.

- Data can be collected on the time player spent in top football leagues (eg. Premier League, La Liga). This can then be represented as a timeline (horizontal bar) above the beeswarm, connected to the node. I think it will be interesting to find out how many seasons players were with top football league before or even after their time in CSL.

### **3rd chart: Timeline of the entry and exit of foreign CSL players.**

#### Reason:

- To visualize trends in the influx of foreign players to CSL. Hovering over each node will show player name and club represented from start to end year. Star players will have their image shown and more descriptive tooltip.

#### To improve upon:

- Perhaps a dropdown menu can be added for reader to filter and update chart based on club name.