Analysis of Draft vs. Academy System In Soccer

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Draft vs. Academy

- Draft system is only used in America
  - Prospects must attend college were they improve before they are drafted

- Academy system is used everywhere else in the world
  - Prospects as young as 8 years old join an academy to work their way up
  - Like a younger version of A, AA, and AAA system in baseball
Data Source For Project

▪ Transfermarkt is one of the most visited German websites

▪ Using market value as proxy for determining how good a players is

▪ Highest market value was labeled maximum value
  ▪ Not an estimate of future value
  ▪ Value a team would accept at a specified point in time (for this study April 8, 2020)
Average Value of Players By Position

Title of graph: 5% trimmed mean for current value by position and League
Y axis: 5% percent trimmed mean current value (in millions of dollars)
Average Value of Players By Position

Title of graph 5% trimmed mean for current value by position and League

Y axis 5% percent trimmed mean current value (in millions of dollars)
Overview Of Academy

### Interval Plot of Age vs Currently In league

95% CI for the Mean

The pooled standard deviation is used to calculate the intervals.

<table>
<thead>
<tr>
<th>Currently In league</th>
<th>N</th>
<th>Mean</th>
<th>StDev</th>
<th>90% CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>751</td>
<td>29.134</td>
<td>4.196</td>
<td>(28.878, 29.391)</td>
</tr>
<tr>
<td>Yes</td>
<td>449</td>
<td>25.935</td>
<td>4.386</td>
<td>(25.604, 26.267)</td>
</tr>
</tbody>
</table>

### Interval Plot of Current Value vs Currently In league

95% CI for the Mean

The pooled standard deviation is used to calculate the intervals.

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</tr>
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<tbody>
<tr>
<td>No</td>
<td>751</td>
<td>2.199</td>
<td>7.569</td>
<td>(1.525, 2.873)</td>
</tr>
<tr>
<td>Yes</td>
<td>448</td>
<td>8.520</td>
<td>15.518</td>
<td>(7.648, 9.393)</td>
</tr>
</tbody>
</table>

Currently in league refers to if a player is playing in the league they were developed.
Age Of Value Decline

Scatterplot of C/M vs Age

Panel variable: Position

C/M = Current Value/Max Value
Areas Of Future Research

- Promotion and Relegation in MLS
  - Would it increase the quality of players
- Why Bundesliga player age the worst
- Does a successful youth team produce better players
Questions?