

Focusing on the Opponent's Strengths

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What our goal was:

- Calculate a “chemistry” for each pair of players on a team
- Calculate how frequently each pair of players cause a goal
- Calculate the correlation between "Likelihood of scoring" with "Current positions of players"

We defined a Chemistry between two players , A and B, as the sum of the percentage of passes from A to B and the percentage of the passes from B to A.

We also considered the chemistry between every pair of players on a given team.

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By focusing on the pairs with higher chemistry, we can identify each players most frequently used pass targets.

This gives us a good start to developing a defense for each team.



How is this relevant to coaches/scouts:

- Knowing high-chemistry pairs/groups in the opposite team is helpful in coordinating the defenders.
- By applying stress to these pairs, we can force a team's offense make non-ideal() strategic choices.

