

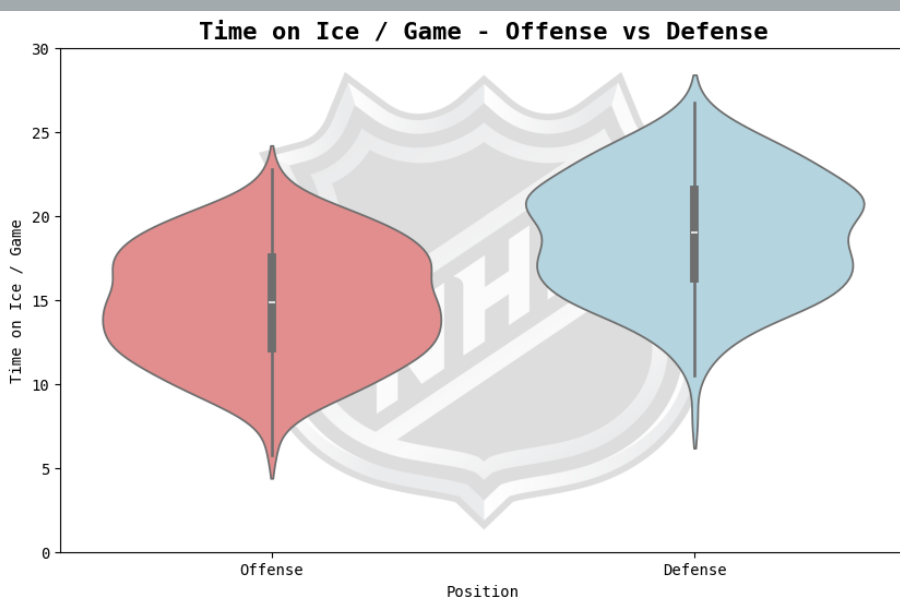
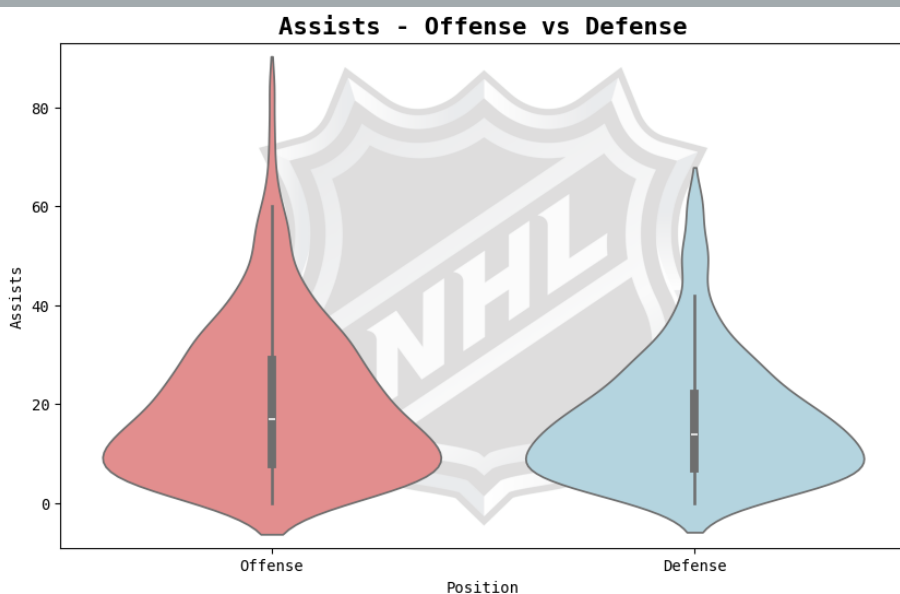
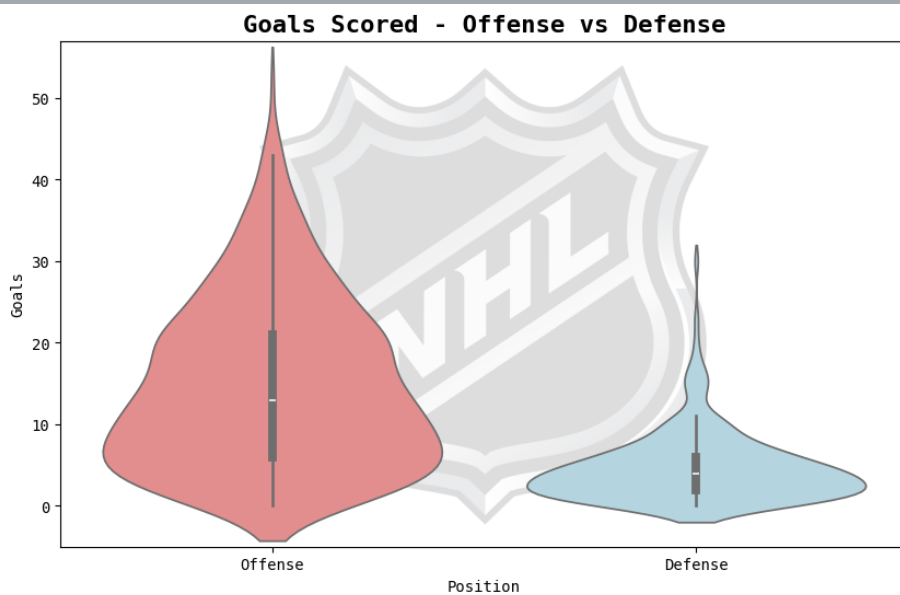
SHIFTING LINES

VISUALIZING NHL ROLE CROSSOVER



OFFENSE VS. DEFENSE

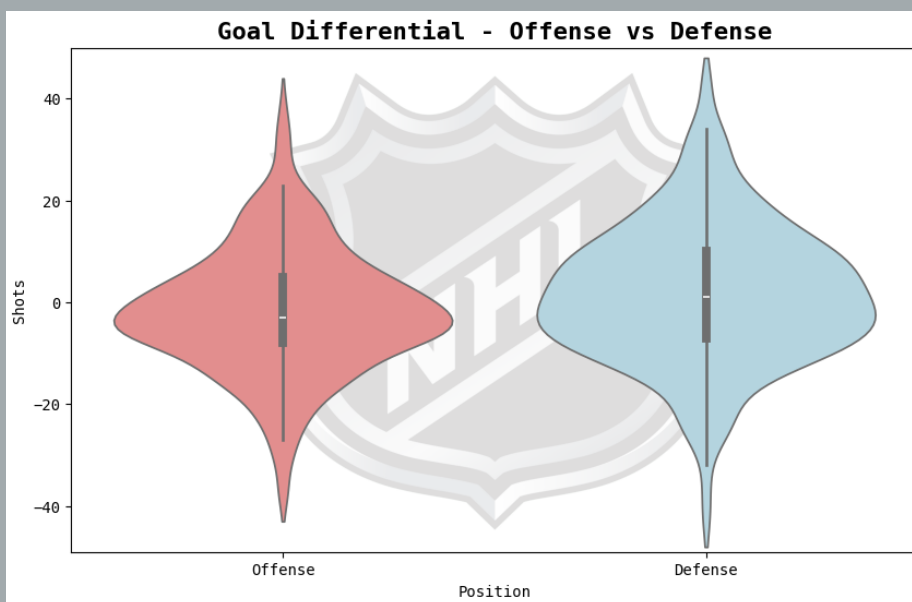
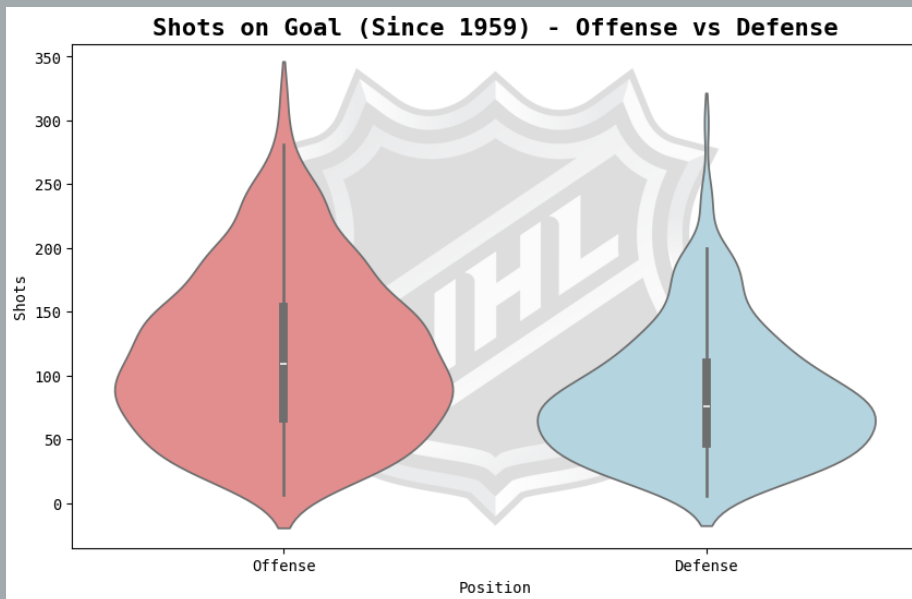
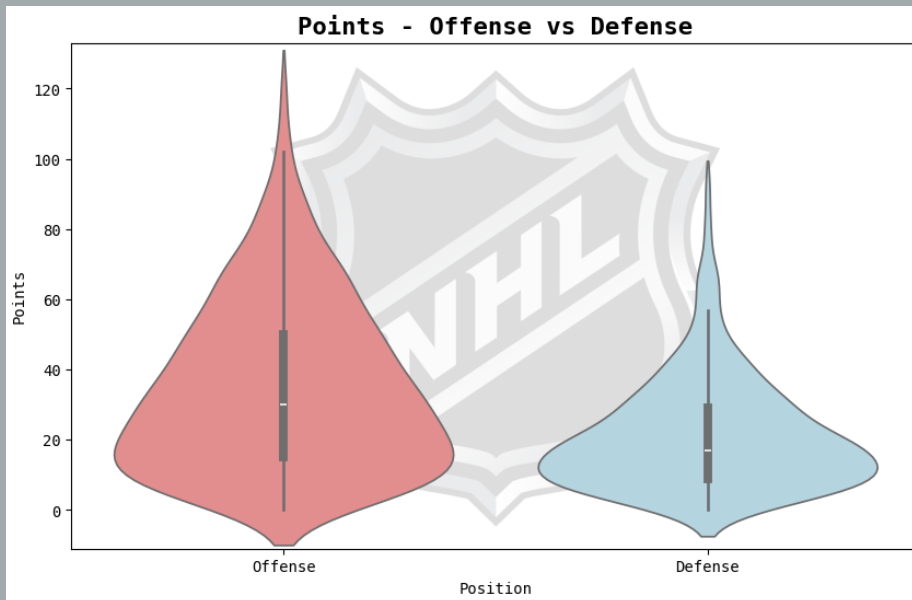
**What are the differences in
key performance metrics
between offensive players
and defensive players?**



**Far More Goals
Scored for Offensive
Players**

**Similar Rates of
Assists, with a larger
Standard Deviation
for Offensive Players**

**Small Standard
Deviation in Time
Played, with a
Higher Average for
Defenders**

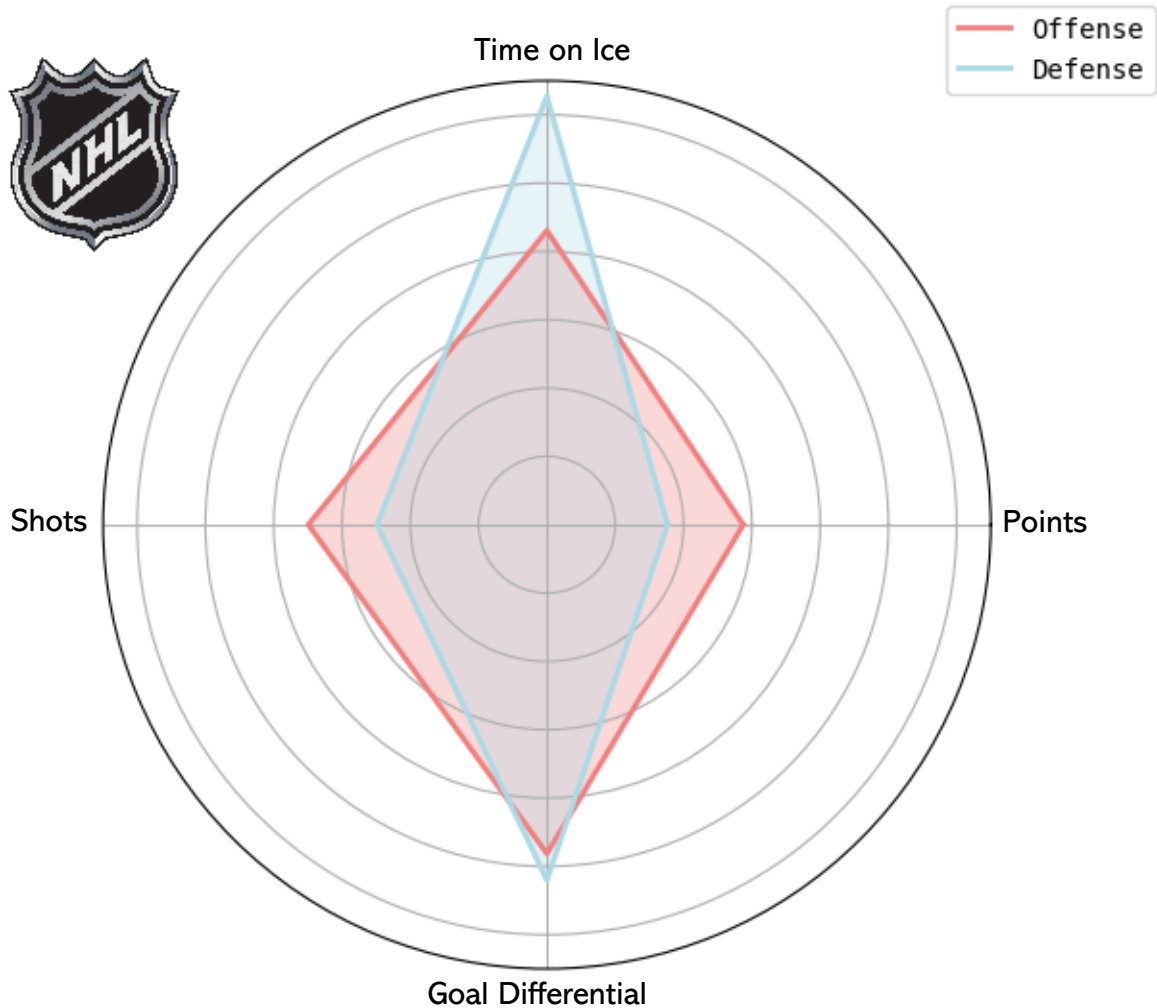


**Far More Points for
Offensive Players**

**Far More Shots on
Target for Offensive
Players**

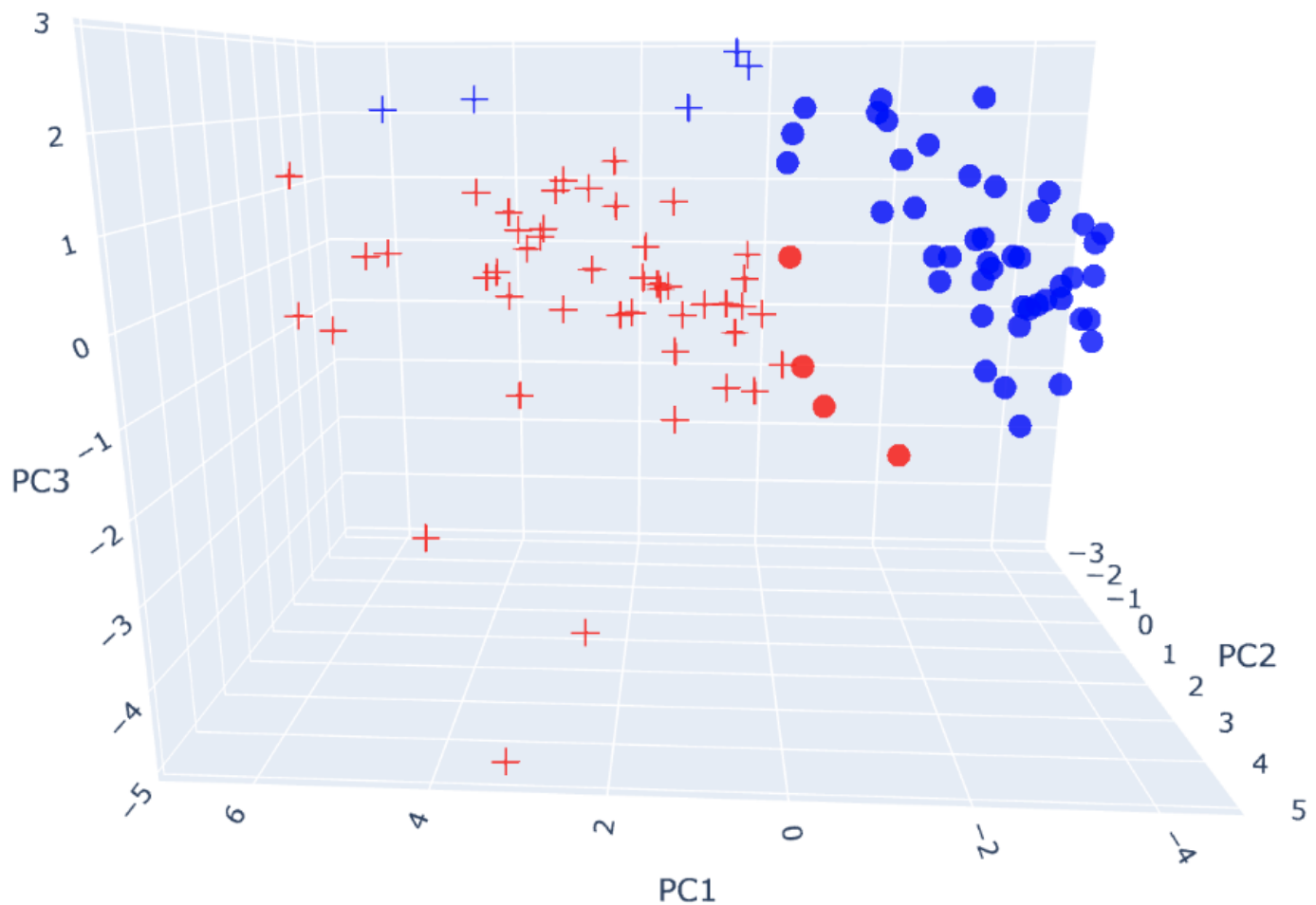
**Most Players Have a
Goal Differential of
~0, with Defenders
having More Positive
Differentials**

Radar Chart: Offense vs Defense



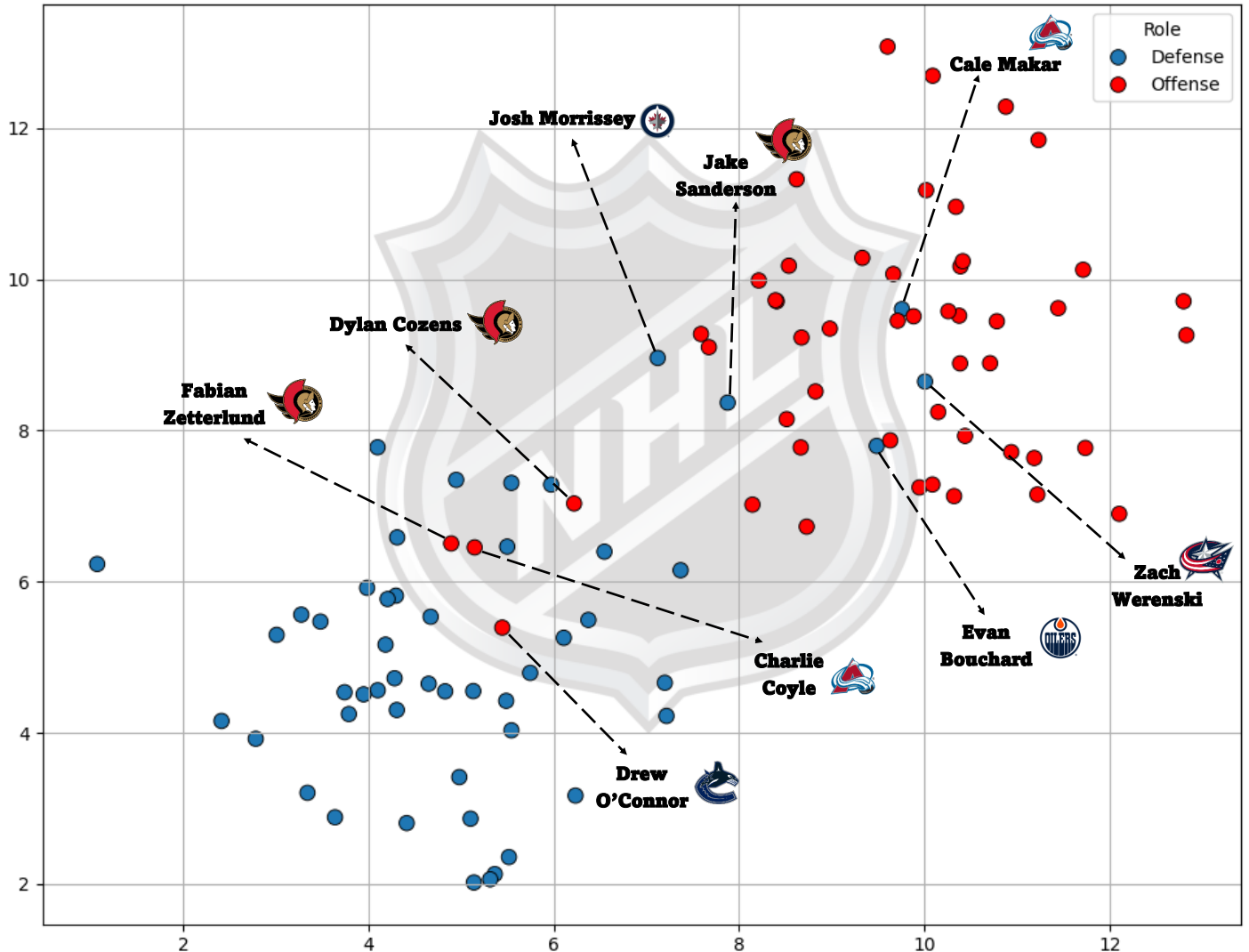
Ideal Player Stat Profiles

Are there any players who are being mis utilized in their roles — who are assigned to an offense role but play defensively, and vice-versa? Could playstyles be optimized through shifting roles?



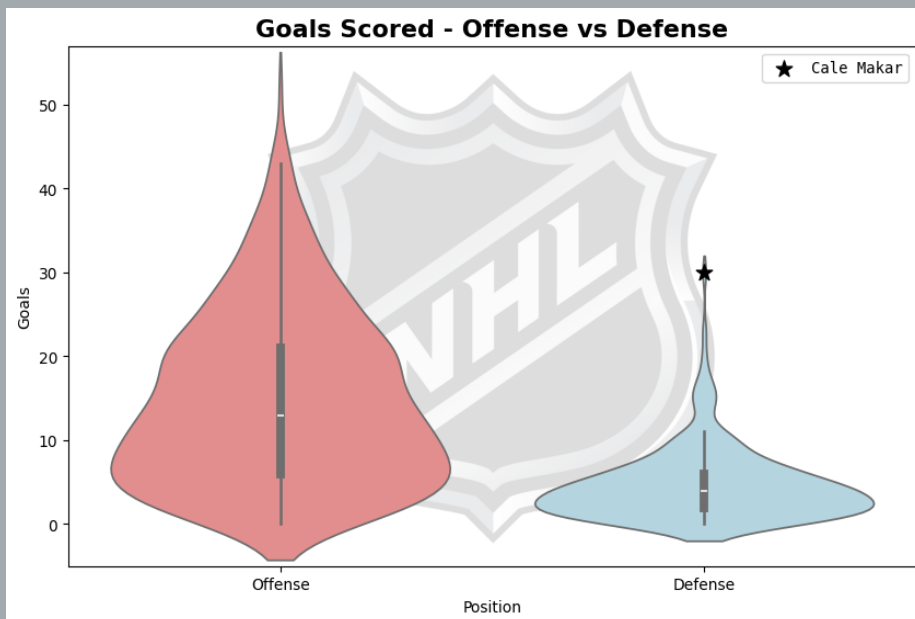
Using K-Means Clusters, see that there are 4 defensive players (circles) clustered offensively, and 5 offensive players (crosses) clustered defensively

Player Clusters — Defense vs Offense

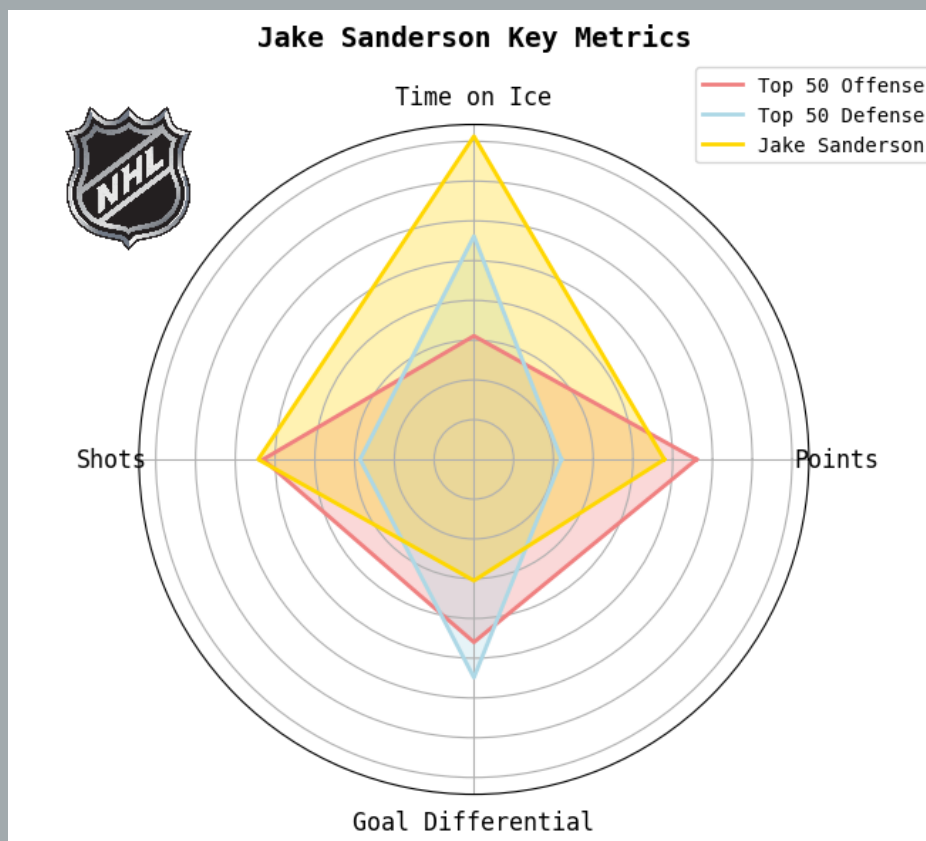


Easier Visualization of Clusters

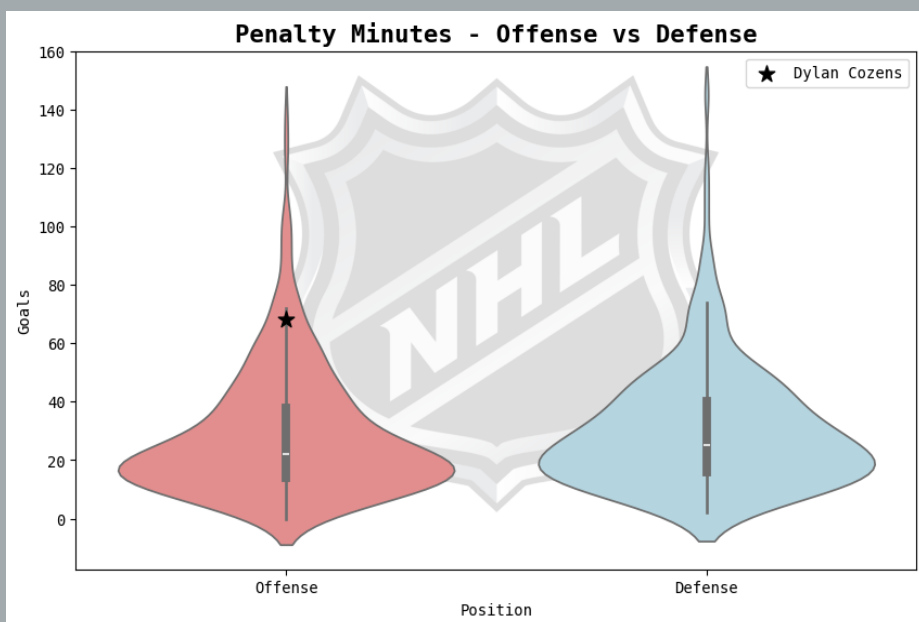
Narrowing in on a couple specific players, let's analyze Cale Makar, Dylan Cozens, and Jake Sanderson



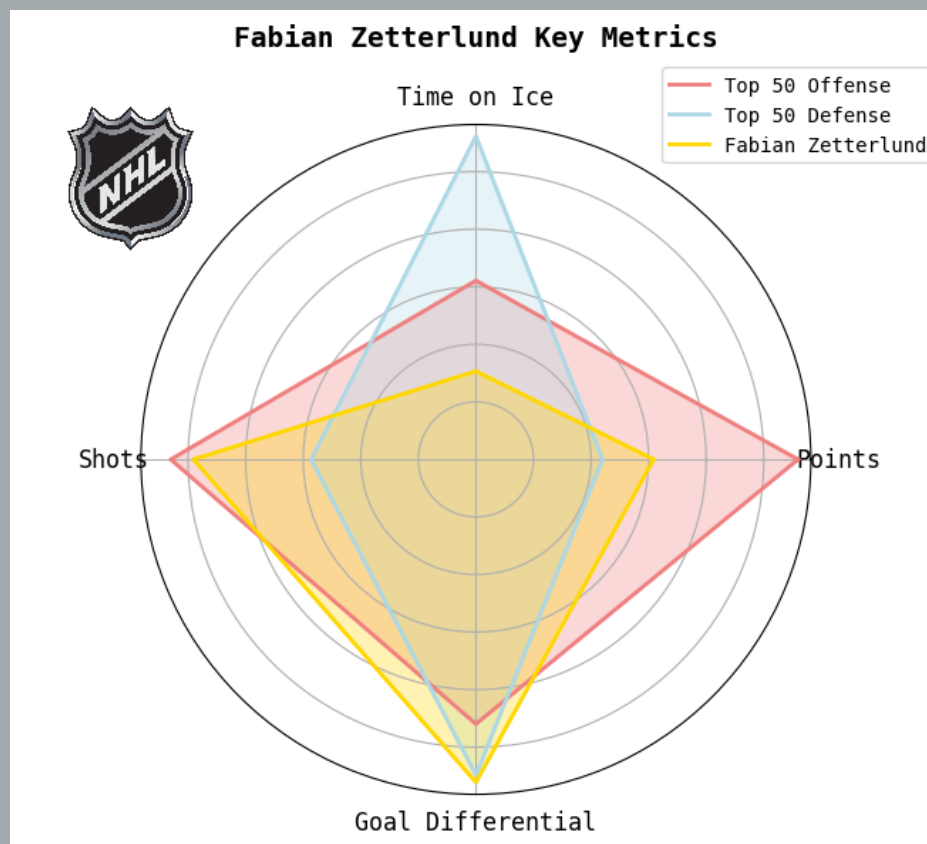
Cale Makar is in the Top Percent of Goal Scorers in the League, despite being a Defender



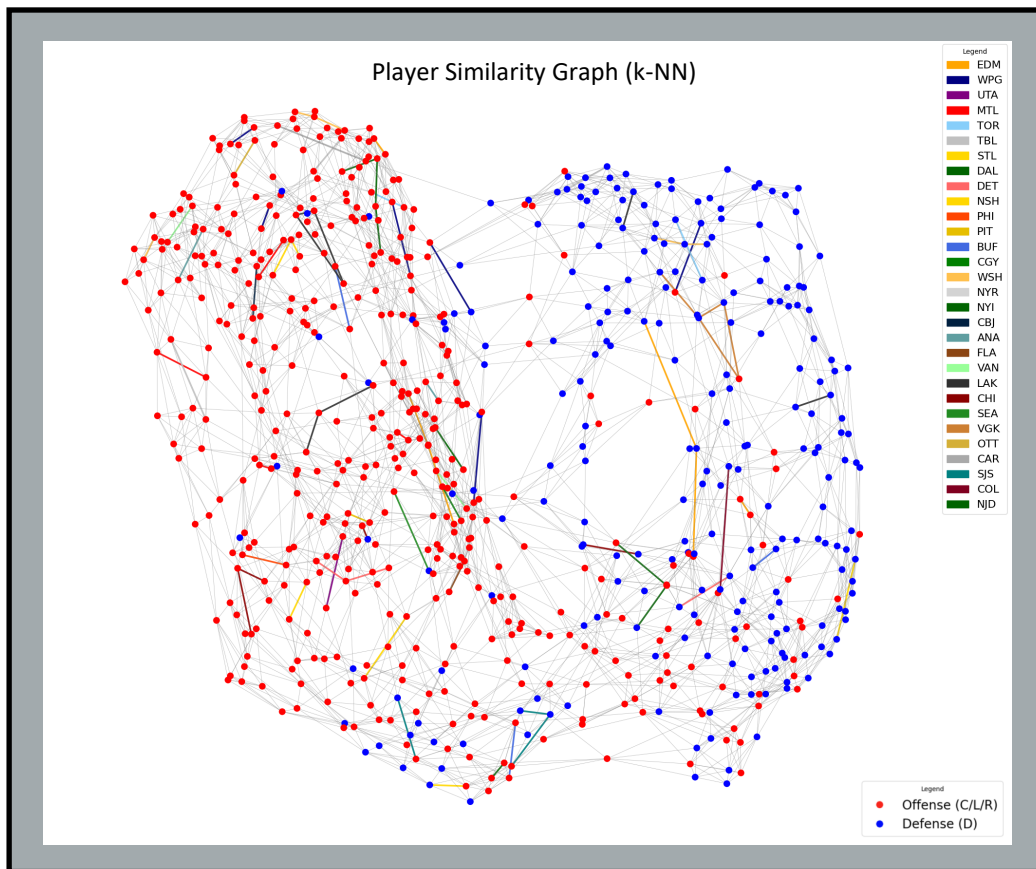
Jake Sanderson (D), other than his Tremendous Ice-Time, shares near identical Key Metrics with the League's Top Offenders



Dylan Cozens (C) aligns with Defensemen's average higher Penalty Minutes, perhaps indicating a more Aggressive, Protective Play-style

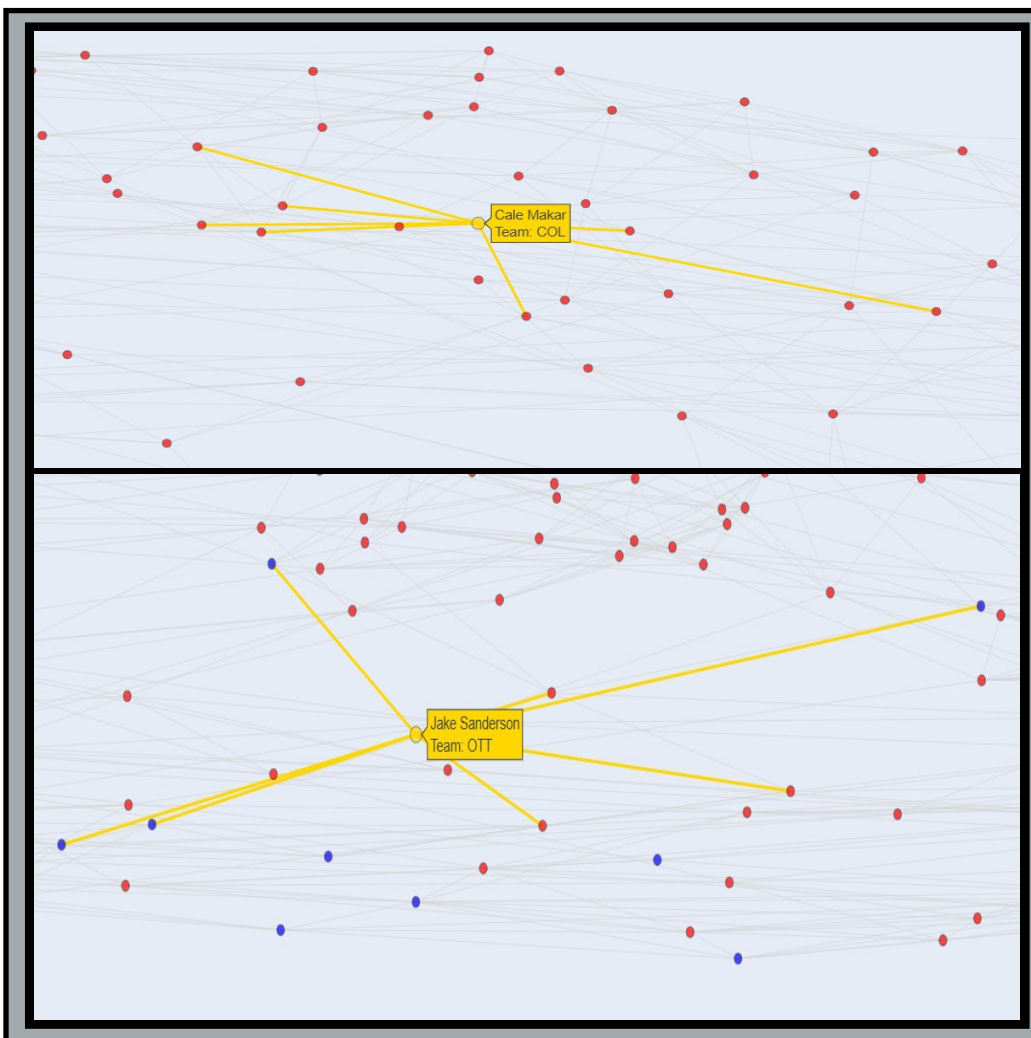


Fabian Zetterlund (C) exhibits Defensive traits, Particularly a strong Goal Differential, and could be effectively redeployed in a true Defensive Role



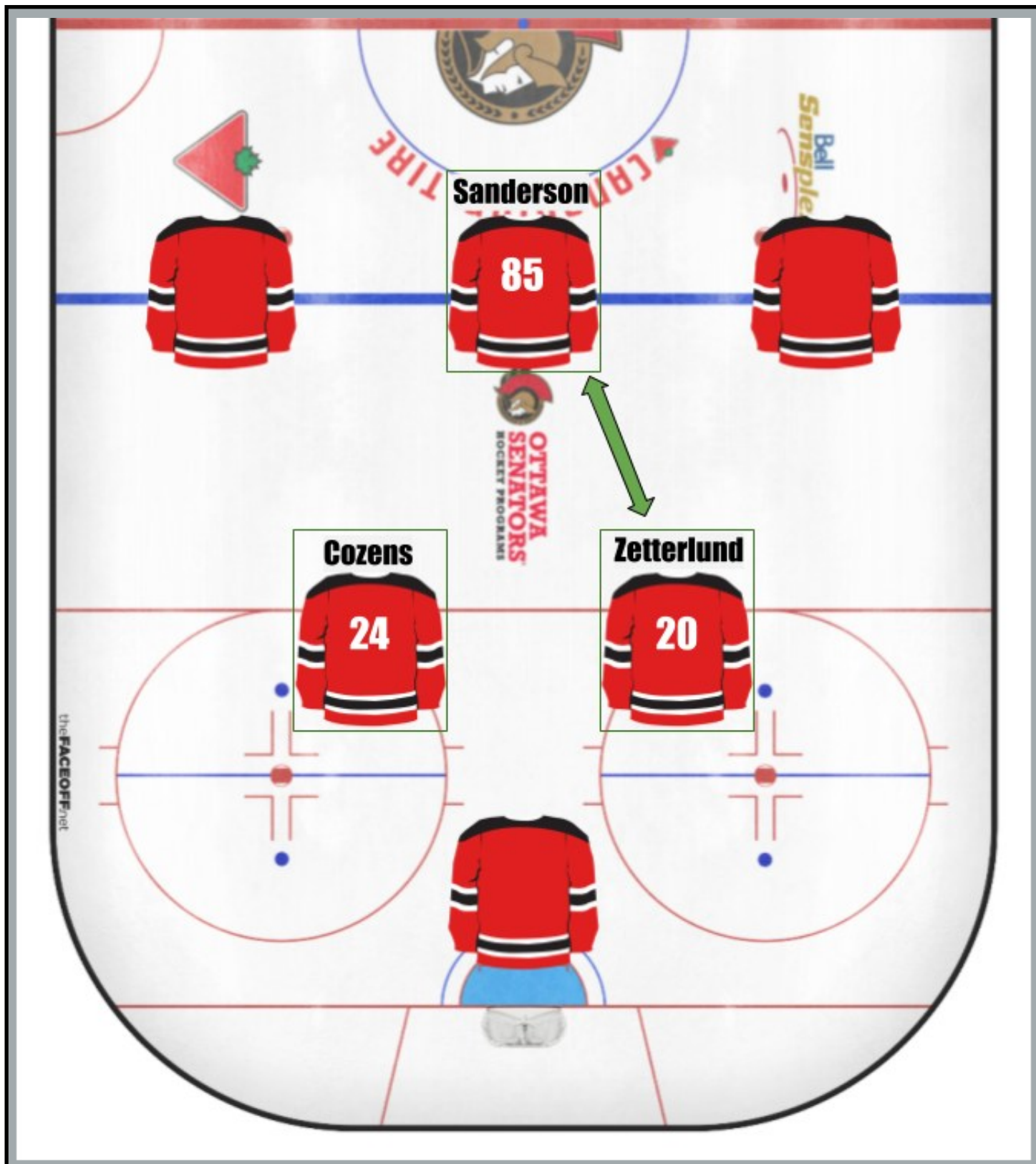
Most Players play
along Role Lines

Also, the number of
highlighted *same team*
edges is relatively
sparse



Cale Makar (D) shares
all of his closest
connections with
Offenders

Jake Sanderson (D)
shares a mix of con-
nections with both
positions



Perhaps with these updated roles, the Ottawa Senators could win the next Battle for Ontario!

(Though probably not)