

Predicting Hockey Positions



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by : Jannie Chang



Image source: meganl125.deviantart.com

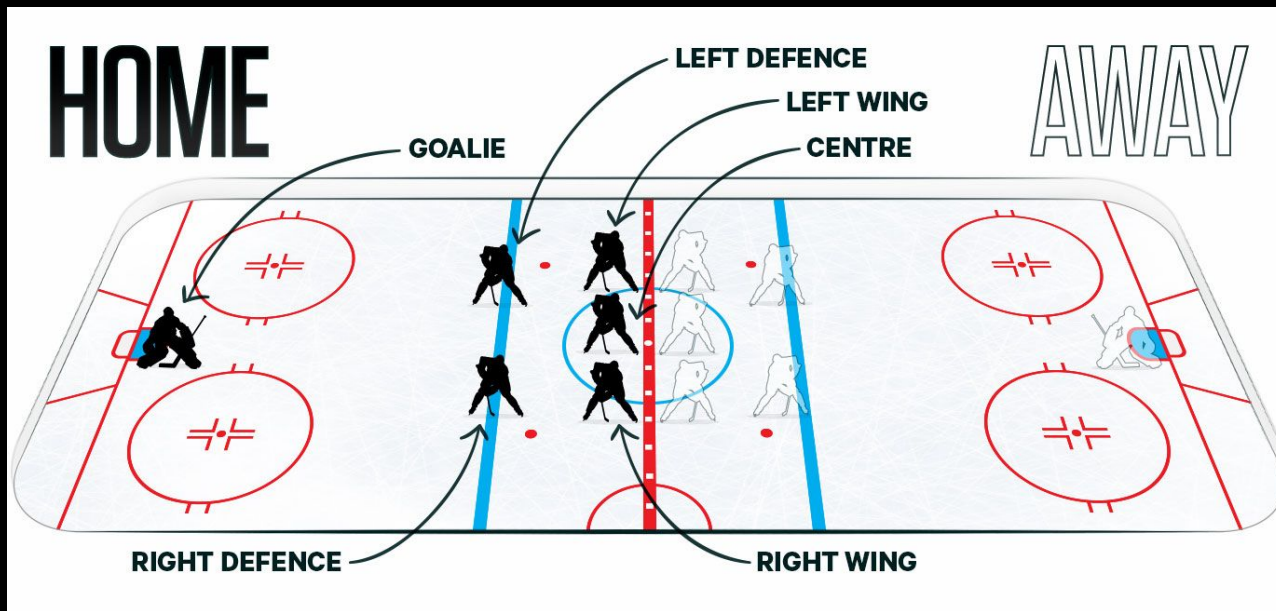


Image source: <https://ethicsofsports.wordpress.com/2015/11/24/fighting-in-hockey-2/>

The Question:

Using personal & scoring statistics, can I accurately classify players within the following 4 positions?

- Center
- Defensemen
- Right Wing
- Left Wing
- Goalies



The Data: Kaggle's Professional Hockey Dataset

Cleaning:

- Removed features that are not generally applicable
- Filled missing data with medians

Feature Design:

- Ambidextrous Handedness
- Goals - Assists Ratio
- Average Goals per Games
- Average Assists per Games
- Power Play Goals - Goals Ratio
- Power Play Assists - Assists Ratio

To D3 Visuals!



Next Steps:

- Create binary models for each position, e.g. Center vs Not Center.
 - Create a similar visualization for the 4 binary classification models.
 - Record important features for each position.
- Recreate the 4 class model with the important features from the binary models.
- Create more features.



Questions?
Thank you!

