Defence

**int** plusMinus**;** *//Holds +/- for each player*

**double** avgGoalsPS**;** *//Average goals per season*

**double** avgGoalPercentagePS**;** *//Average goal percentage per season*

**double** avgShotsPS**;** *//Average shots taken per season*

**double** zsGoalPercentage**;** *//Z-score of goal percentage*

**double** avgAssistsPS**;** *//Average assists per season*

**double** avgPenaltyPS**;** *//Average penalty minutes per season*

**double** avgPPGoalsPS**;** *//Average power play goals per season (double)*

**double** avgSOGoalsPS**;** *//Average shoot-out goals per season*

**int** gwGoals**;** *//Number of game-winning goals*

**int** ppGoals**;** *//Number of power play goals*

**int** soGoals**;** *//Number of shoot-out goals*

Forward

**int** plusMinus**;** *//Holds +/- for each player*

**double** avgGoalsPS**;** *//Average goals per season*

**double** avgGoalPercentagePS**;** *//Average goal percentage per season*

**double** avgShotsPS**;** *//Average shots taken per season*

**double** zsGoalPercentage**;** *//Z-score of goal percentage*

**double** avgAssistsPS**;** *//Average assists per season*

**double** avgPenaltyPS**;** *//Average penalty minutes per season*

**double** avgPPGoalsPS**;** *//Average power play goals per season (double)*

**double** avgSOGoalsPS**;** *//Average shoot-out goals per season*

**int** gwGoals**;** *//Number of game-winning goals*

**int** ppGoals**;** *//Number of power play goals*

**int** soGoals**;** *//Number of shoot-out goals*

**int** soGoals**;** *//Number of shoot-out goals*

**int** position**;** *//position of forward player: -1 = left wing; 0 = centre; 1 = right wing*

Goalie

**int** gameStart**;** *//The number of games started*

**double** numMin**;** *//Total number of minutes the goalie has been on ice*

**int** goalA**;** *//Number of goals scored against goalie*

**double** goalAA**;** *//Mean goals-per-60 minutes scored on the goalie*

**int** shotsOG**;** *//Total number of shots on goal the goalie faced*

**int** saves**;** *//Number of saves goalie made*

**double** savePercent**;** *//Percentage of total shots faced the goalie saved (dividing the number of saves by the total number of shots on goal)*

**int** shutouts**;** *//Number of games where goalie had no goals against him and only goalie to play in game*

**int** emptyNG**;** *//Number of goals scored against while off ice for extra attack player*

Person

String name**;** *//Name*

**int** age**;** *//Age*

**boolean** gender**;** *//True if male*

**double** height**;** *//Height in centimetres*

**double** weight**;** *//Weight in kg*

**int** birthMonth**;** *//Month of birth*

**int** birthDay**;** *//Day of birth*

**int** birthYear**;** *//Year of birth*

String birthPlace**;** *//Integer represents what country person is born from (based on IIHF's Top 20 International Mens Hockey Countries)*

String maritalStatus**;** *//Single, Married, Divorced, Widowed etc.*

Player

**double** salaryPY**;** *//Salary per year*

**int** contractR**;** *//# of years remaining of contract*

**double** tSalary**;** *//Total salary over entire contract length*

**int** rating**;** *//Temp for something awesome*

**int** gp**;** *//Games played*

**double** penaltyT**;** *//Time spent in penalties*

**int** penaltyN**;** *//Number of penalties*

**boolean** arm**;** *//Shooting arm: True if right arm*

**int** number**;** *//Jersey number*

Coach

**int** winS**;** *//Regular season wins*

**int** loseS**;** *//Regular season loses*

**int** gameCS**;** *//Regular season games coached*

**double** pointPS**;** *//Regular season Points percentage (number of points team earned divided by total possible points)*

**int** winP**;** *//Playoff wins*

**int** loseP**;** *//Playoff loses*

**int** gameCP**;** *//Playoff games coached*

**int** stanleyN**;** *//Number of Stanley Cups*

String coachType**;** *//The type of coach (head, assistant or goaltender)*

**Object**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Object | Person | Player | Coach | Defence | Forward | Goalie |
|  | Object | Person | Person | Player | Player | Player |
|  |  | Object | Object | Person | Person | Person |
|  |  |  |  | Object | Object | Object |