**Extract:**

For our ETL Project we utilized 4 csv files extracted from the following sources:

1. <https://www.kaggle.com/martinellis/nhl-game-data#game.csv>
2. <https://www.kaggle.com/martinellis/nhl-game-data#team_info.csv>
3. <https://www.kaggle.com/martinellis/nhl-game-data#player_info.csv>
4. <https://www.kaggle.com/martinellis/nhl-game-data#game_skater_stats.csv>

**Transform:**

game\_df :

data cleaning:

1. Removed 10 unwanted columns from the dataframe.

data filtering:

1. Filtered the “type” column to only include rows with “R” where “R” is short for regular season games. This step effectively removed all “P” playoff games from the dataset.
2. Filtered the “season” column to only include rows with “20172018” where “20172018” represents the 2017-2018 season. This step effectively removed all other seasons from the dataset.

team\_df:

data cleaning:

1. Combined the “shortName” and “teamName” columns into a single column “Team.”
2. Removed 5 unwanted columns from the dataframe.
3. Dropped 2 unwanted teams from the dataframe, because they did not exist during the 2018-2019 season.
4. Replaced 2 team names in order to assign each their real “Team” name.

player\_info\_df:

data cleaning:

1. Combined the “firstName” and “lastName” columns into a single column “Name.”
2. Removed 6 unwanted columns from the dataframe.
3. Modified the csv delimiter, changing it from “|” to “,” in the player\_info\_df output file.

game\_skater\_stats\_df:

**Load:**