```
In [24]:
         from sklearn.linear_model import LogisticRegression
          import pandas as pd
         from sklearn.model_selection import train_test_split
          from sklearn.metrics import accuracy score
          import lightgbm as lgb
         from sklearn.metrics import mean_squared_error
          from sklearn.linear model import Lasso, LogisticRegression
          from sklearn.feature selection import SelectFromModel
          from sklearn.preprocessing import StandardScaler, MinMaxScaler
         import eli5
          from eli5.sklearn import PermutationImportance
In [2]: feature_set = pd.read_csv('feature_matrix_w_position.csv')
         feature_set = feature_set.drop(columns = ['Unnamed: 0'], axis = 1)
         feature set = feature set.replace('H', 1)
          feature set = feature set.replace('A', 0)
          feature set = feature set.dropna()
In [3]: | feature_set_test_date = feature_set[(feature_set['season']==2019) & (feature_set['season']==2019)
         feature_set_pre_test_date = feature_set[(feature_set['season']<2019) |</pre>
In [5]: X_pre = feature_set_pre_test_date.drop(columns = ['dfs_points', 'player]
         y_pre = feature_set_pre_test_date['dfs_points'].tolist()
          feature set forward = feature set pre test date.loc[feature set pre test
         X forward = feature set forward.drop(columns = ['dfs points', 'player id
         y forward = feature set forward['dfs points'].tolist()
          feature_set_defense = feature_set_pre_test_date.loc[feature_set_pre_test
         X defense = feature set defense.drop(columns = ['dfs points', 'player id
         y_defense = feature_set_defense['dfs_points'].tolist()
         X_train_forward, X_test_forward, y_train_forward, y_test_forward = trail
         X_train_defense, X_test_defense, y_train_defense, y_test_defense = train
         X_train, X_test, y_train, y_test = train_test_split(X_pre, y_pre, test_
```

Neural Net with 3 HL and Standard scaler