

Basic decision tree classifying primary position of a Premier League player

Target classes: **Goalkeeper**, **Defender**, **Midfielder**, **Forward**

More intense colour reflects greater confidence of predictor

Branches left always indicate “True”, branches right indicate “False”

Hyperparameter “maximum depth” set to 4

The “value” array shows how many GK, DF, MF and FW (in that order) fall into this leaf from the train data.

The leaf is very light green colour to indicate a weak confidence in classifying a given player as a Defender at this level of available information.

At this point, the decision tree has not made a single assessment on the features, so the classification is trivial as it leans towards Defender purely because it is the most populous class in the train data.

