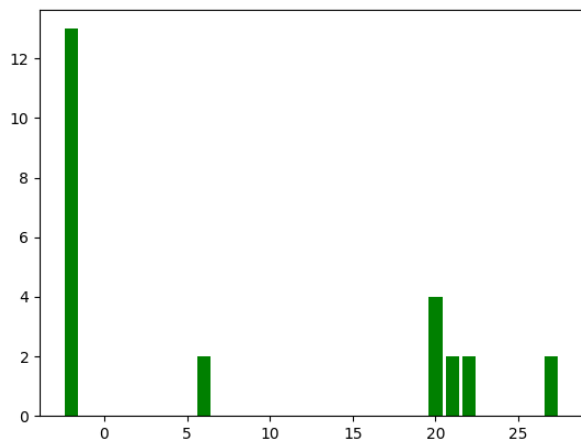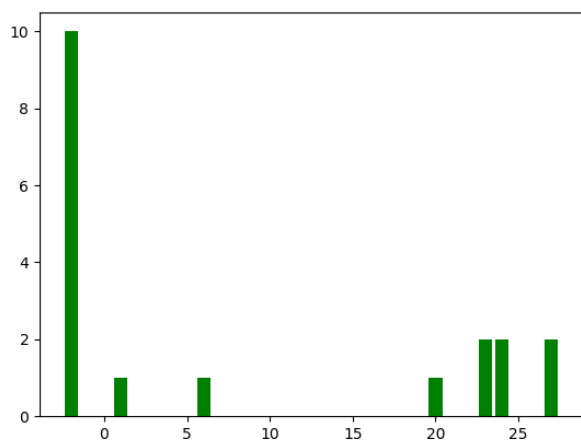# Readme

Feature Histogram

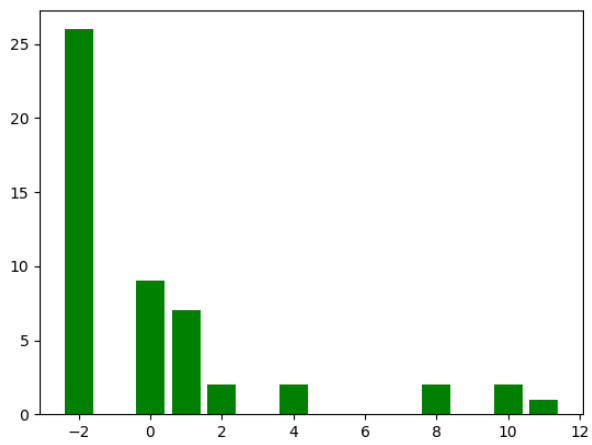Right images are the baseline splitting feature histogram, and the right are RL tree.
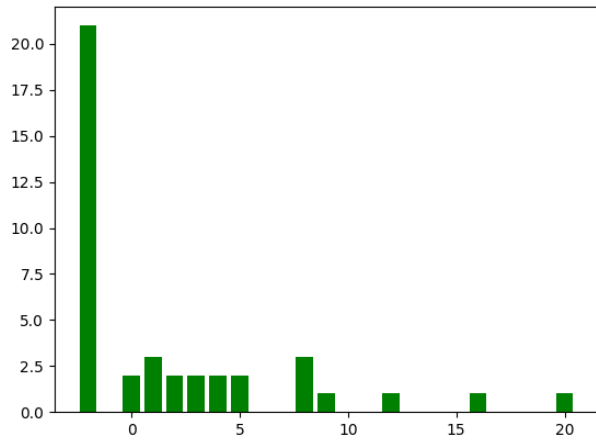
Index -2 represents the leaf node.

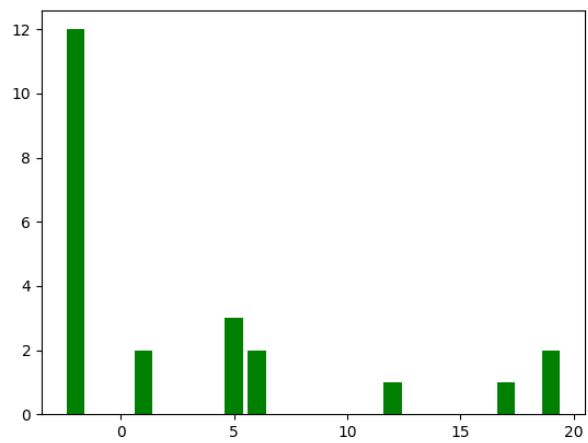It is not true that the RL tree uses much more feature than baseline CART tree.
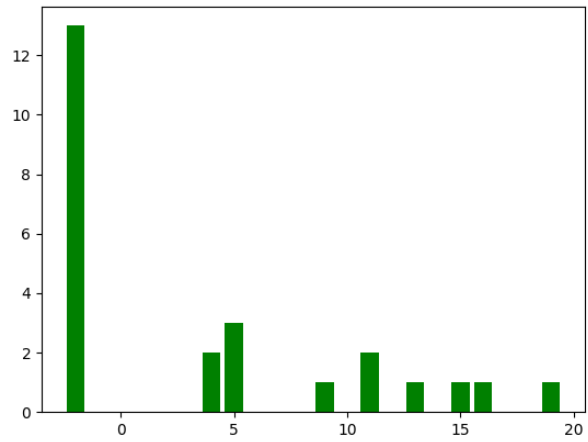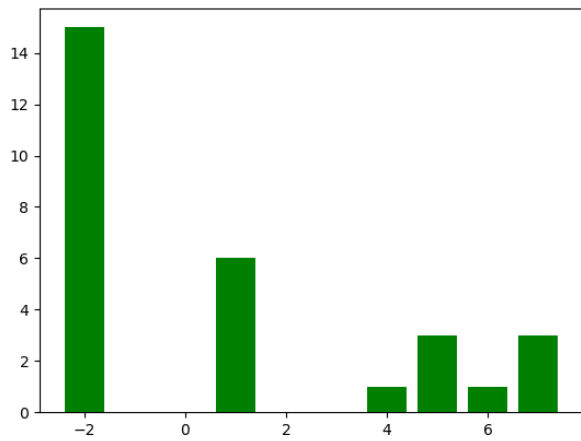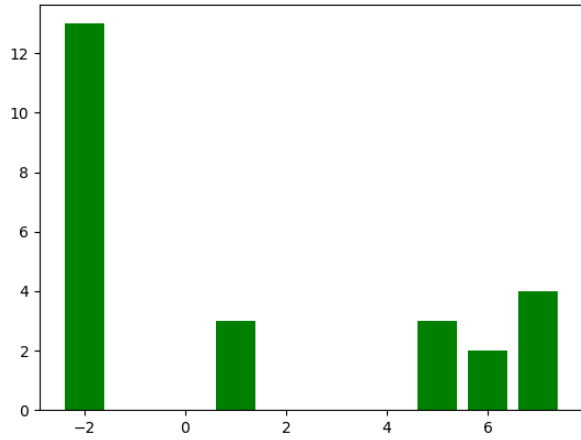
- breast_cancer

- german

- heart

- pima

A New Tree Policy Network

Inspired by Tree-LSTM.

Policy Network: F Inputs: Node Embedding x, Parent's Topology Embedding: h_p Outputs: Action a, Topology Embedding: h_{true}, h_{false}

$$h_{true}, h_{false}, a = F(x, \hat{h_p})$$