Neural Net

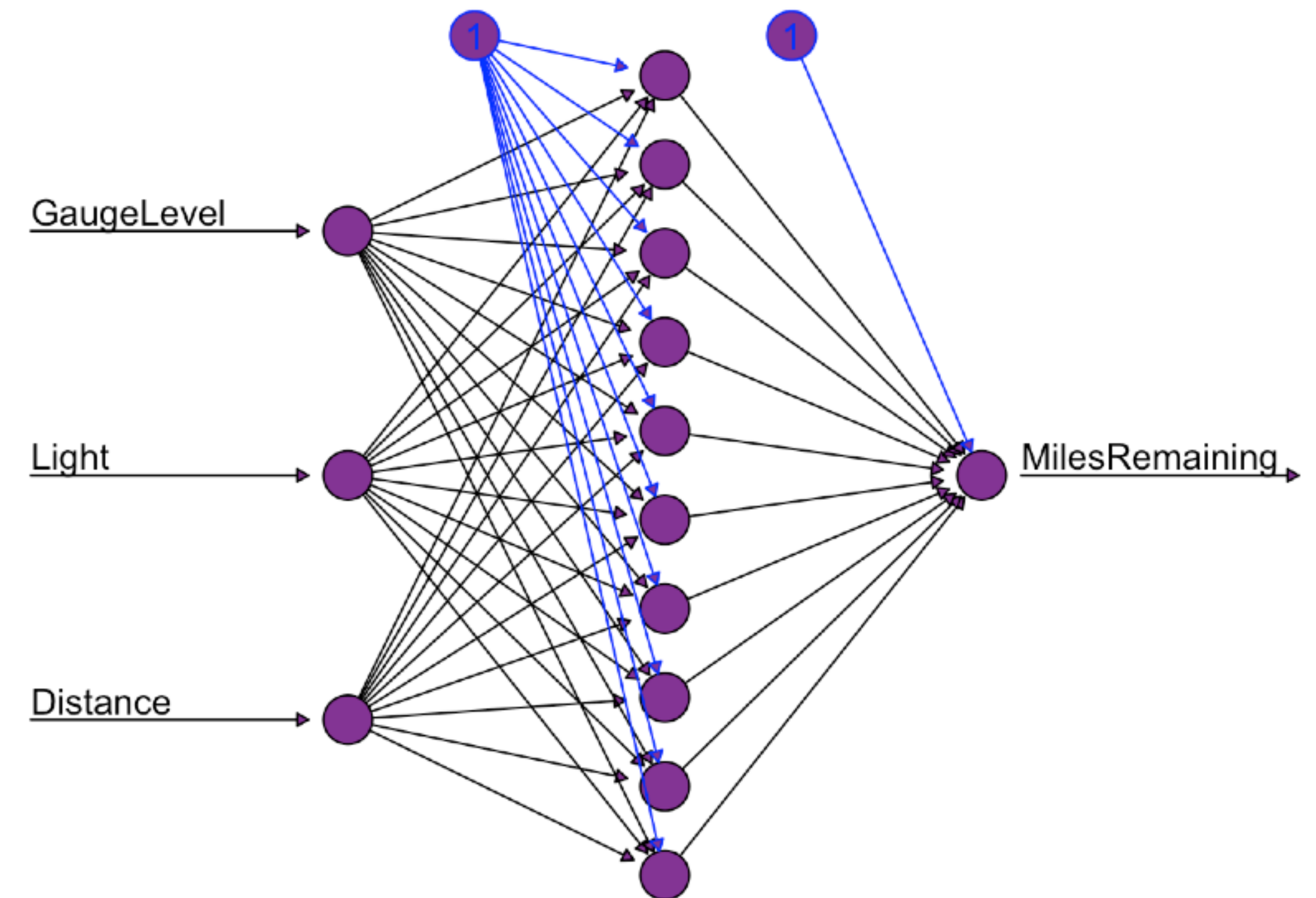MilesRemaining ~ GaugeLevel + Light + Distance

Uses:

- All available variables
- 1000 epochs
- 10 hidden units

Pros:

- Very accurate
- Very cool to use

Cons:

- Not easy to do on the fly
- Difficult to communicate
- Computationally expensive

RMSE ≈ 12.78

Simple Decision Tree

MilesRemaining ~ GaugeLevel + Light + Distance

Uses:

- All available variables
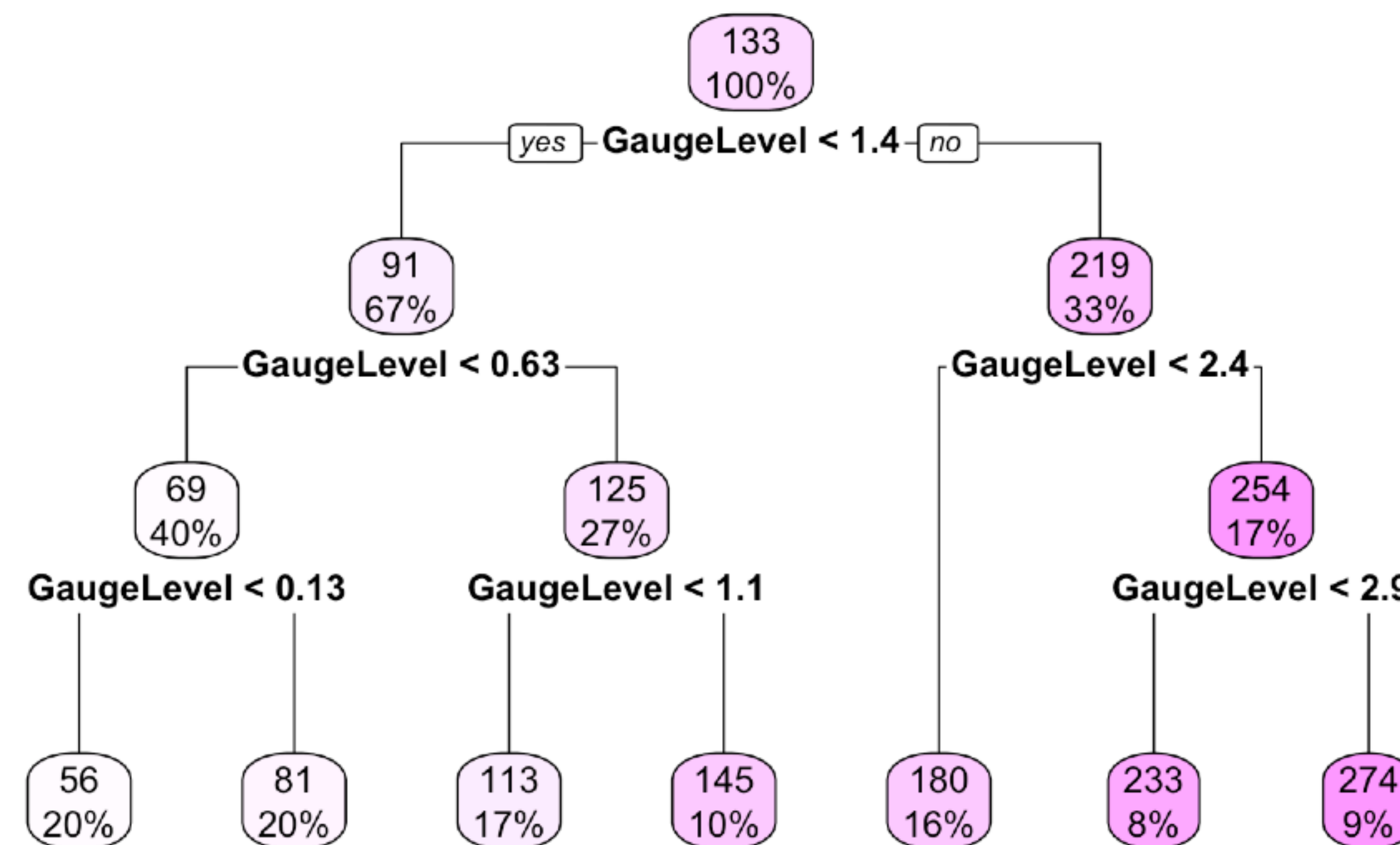 - The model only actually uses GaugeLevel
- 1 tree

Pros:

- Easy to understand
- Easy to execute

Cons:

- Could be better
- Distance + GaugeLevel implies MPG
- A little bit of memorization

RMSE ≈ 15.18