Random Forest

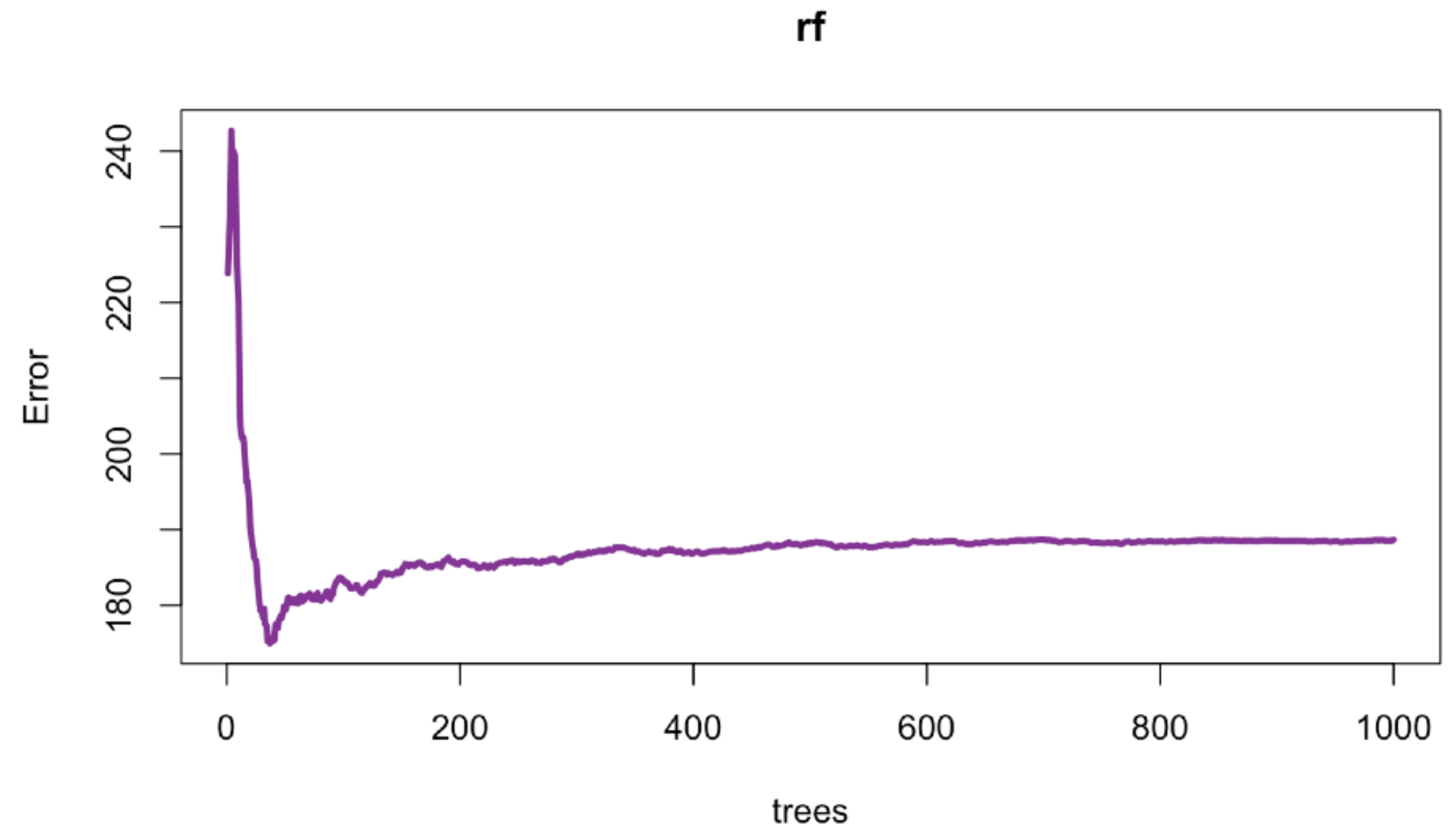MilesRemaining ~ GaugeLevel + Light + Distance

Uses:

- All available variables

- 1000 trees

Pros:

- Very accurate

- Not computationally expensive

Cons:

- Not easy to do on the fly

- Difficult to communicate

RMSE ≈ 7.3

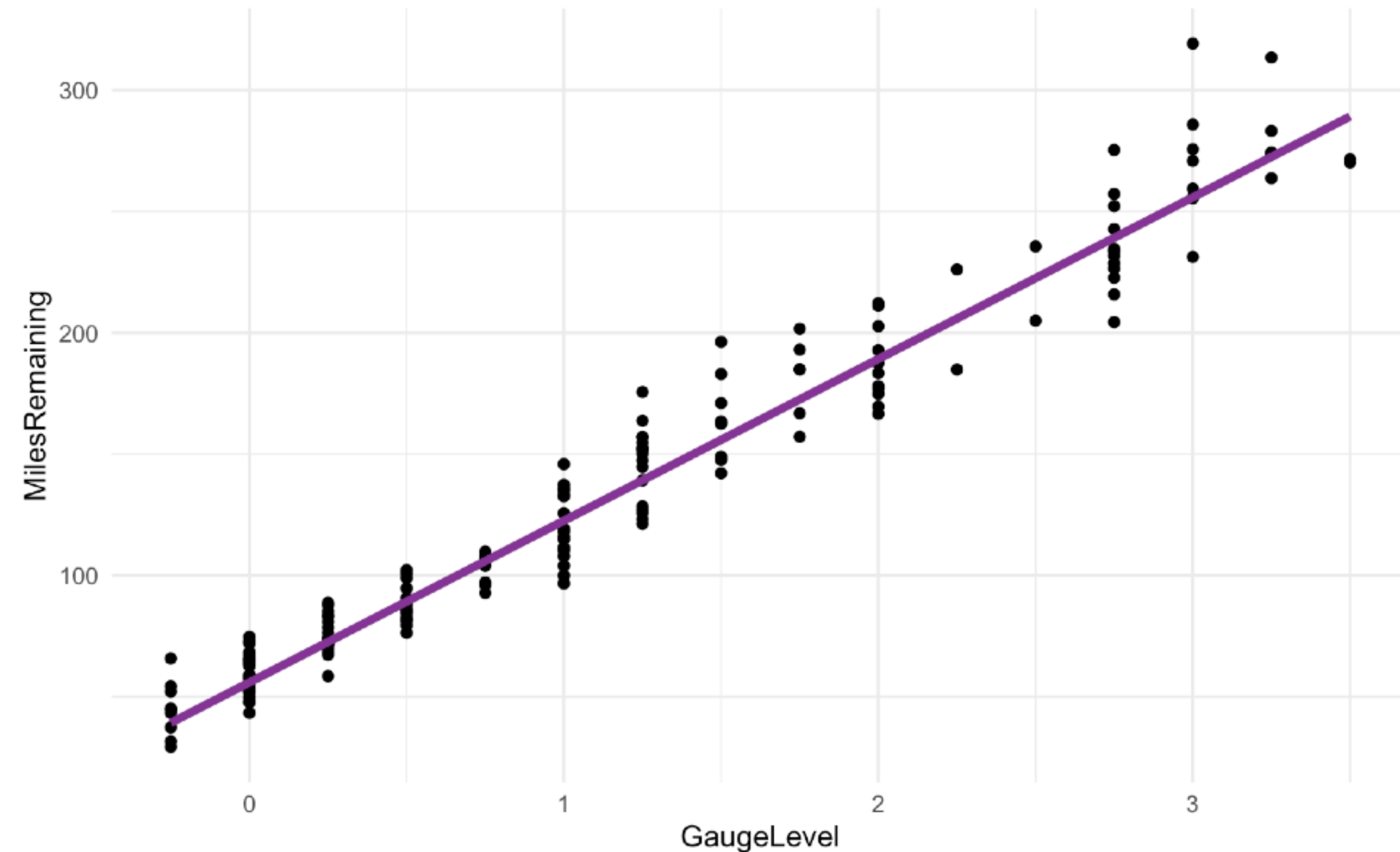# Simple Linear Regression

MilesRemaining ~ GaugeLevel

Uses:

- GaugeLevel

Pros:

- Easy to understand

- Easy to execute

Cons:

- Could be better

- Distance + GaugeLevel implies MPG

- Requires some mental math

$MilesRemaining = 66.23 * GaugeLevel + 55.94$

$RMSE \approx 14.31$