

Simple Linear Regression

MilesRemaining ~ GaugeLevel

Uses:

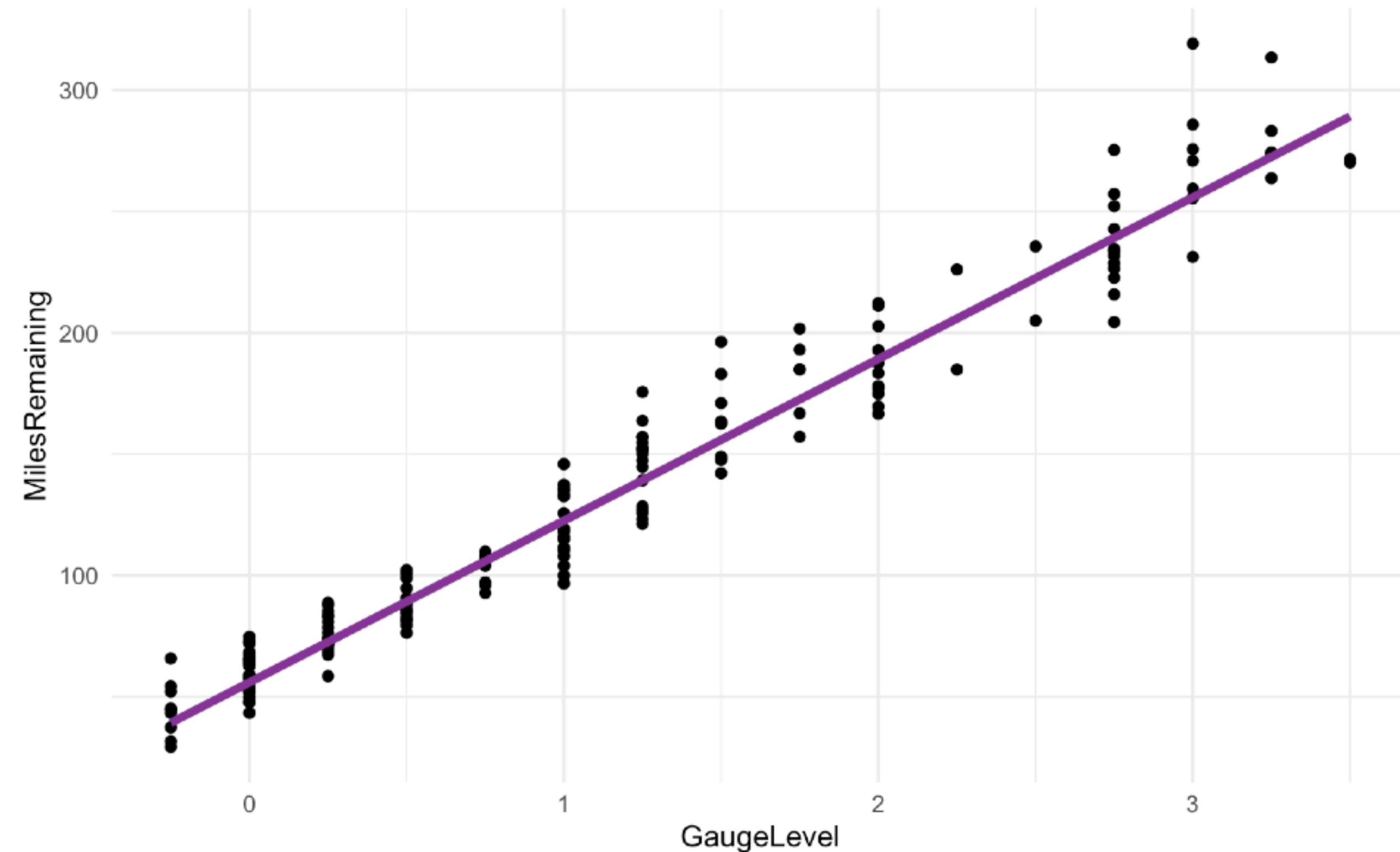
- GaugeLevel

Pros:

- Easy to understand
- Easy to execute

Cons:

- Could be better
- Distance + GaugeLevel implies MPG
- Requires some mental math



$$\text{MilesRemaining} = 66.23 * \text{GaugeLevel} + 55.94$$

$$\text{RMSE} \approx 14.31$$

Multiple Linear Regression

MilesRemaining ~ GaugeLevel + Light + Distance

Uses:

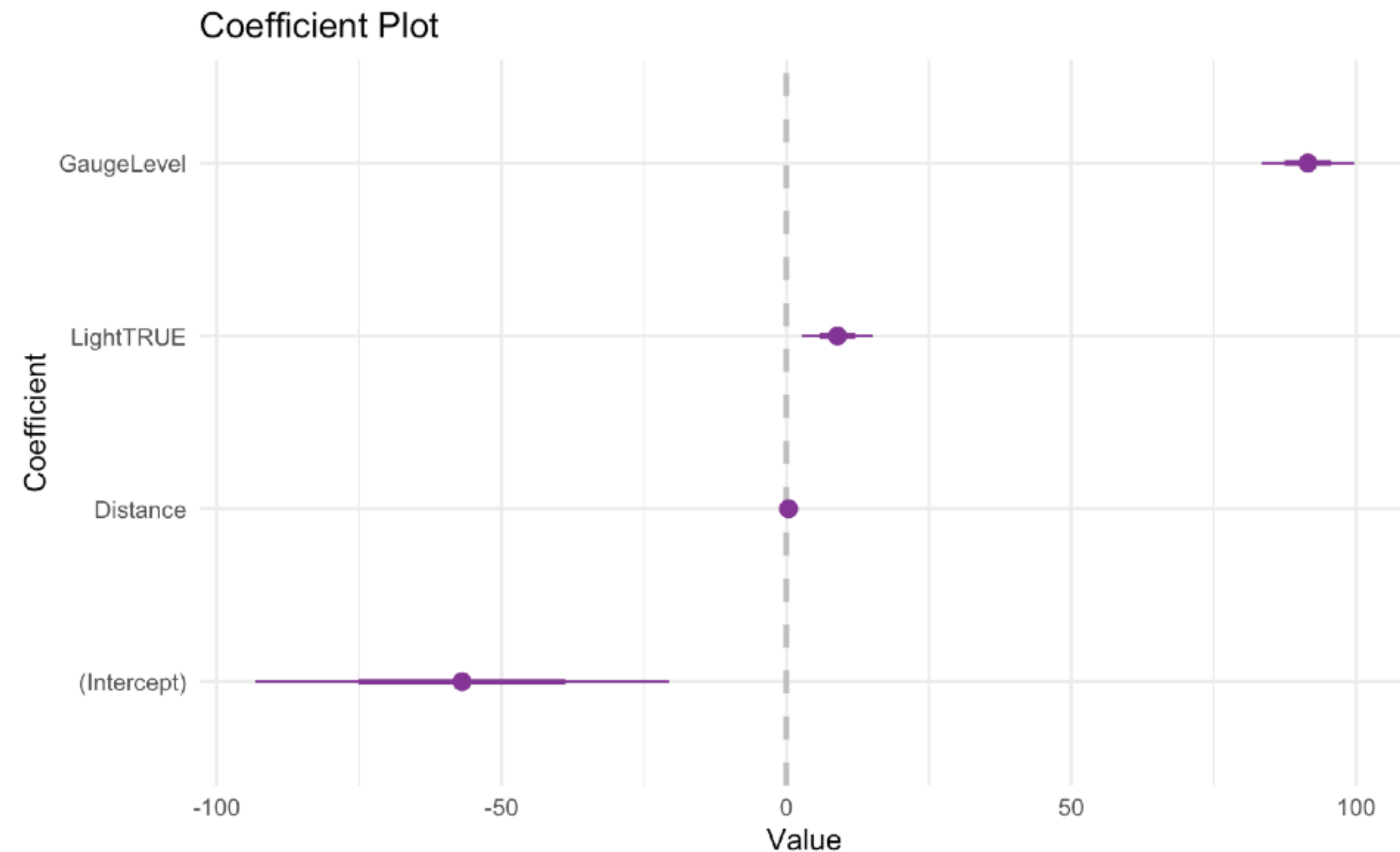
- All available variables

Pros:

- Easy to communicate
- Very Accurate

Cons:

- Lots of mental math
- Not as easy to understand



MilesRemaining = 91.496 * GaugeLevel + 8.949 * Light + 0.367 * Distance – 56.936

RMSE \approx 12.85