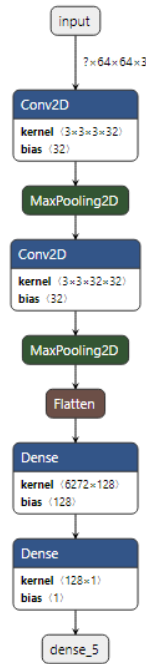


Dados

	Consumo	Cilindros	Cilindradas.	RelEixoTraseiro	Peso	Tempo	TipoMotor	Transmissao	Marchas	Carburadors	HP
1	21	6	160	39	262	1646	0	1	4	4	110
2	21	6	160	39	2875	1702	0	1	4	4	110
3	228	4	108	385	232	1861	1	1	4	1	93
4	214	6	258	308	3215	1944	1	0	3	1	110
5	187	8	360	315	344	1702	0	0	3	2	175
6	181	6	225	276	346	2022	1	0	3	1	105
7	143	8	360	321	357	1584	0	0	3	4	245
8	244	4	1467	369	319	20	1	0	4	2	62
9	228	4	1408	392	315	229	1	0	4	2	95
10	192	6	1676	392	344	183	1	0	4	4	123
11	178	6	1676	392	344	189	1	0	4	4	123
12	164	8	2758	307	407	174	0	0	3	3	180
13	173	8	2758	307	373	176	0	0	3	3	180
14	152	8	2758	307	378	18	0	0	3	3	180
15	104	8	472	293	525	1798	0	0	3	4	205
16	104	8	460	3	5424	1782	0	0	3	4	215
17	147	8	440	323	5345	1742	0	0	3	4	230
18	324	4	787	408	22	1947	1	1	4	1	66
19	304	4	757	493	1615	1852	1	1	4	2	52

Compreensão do Modelo

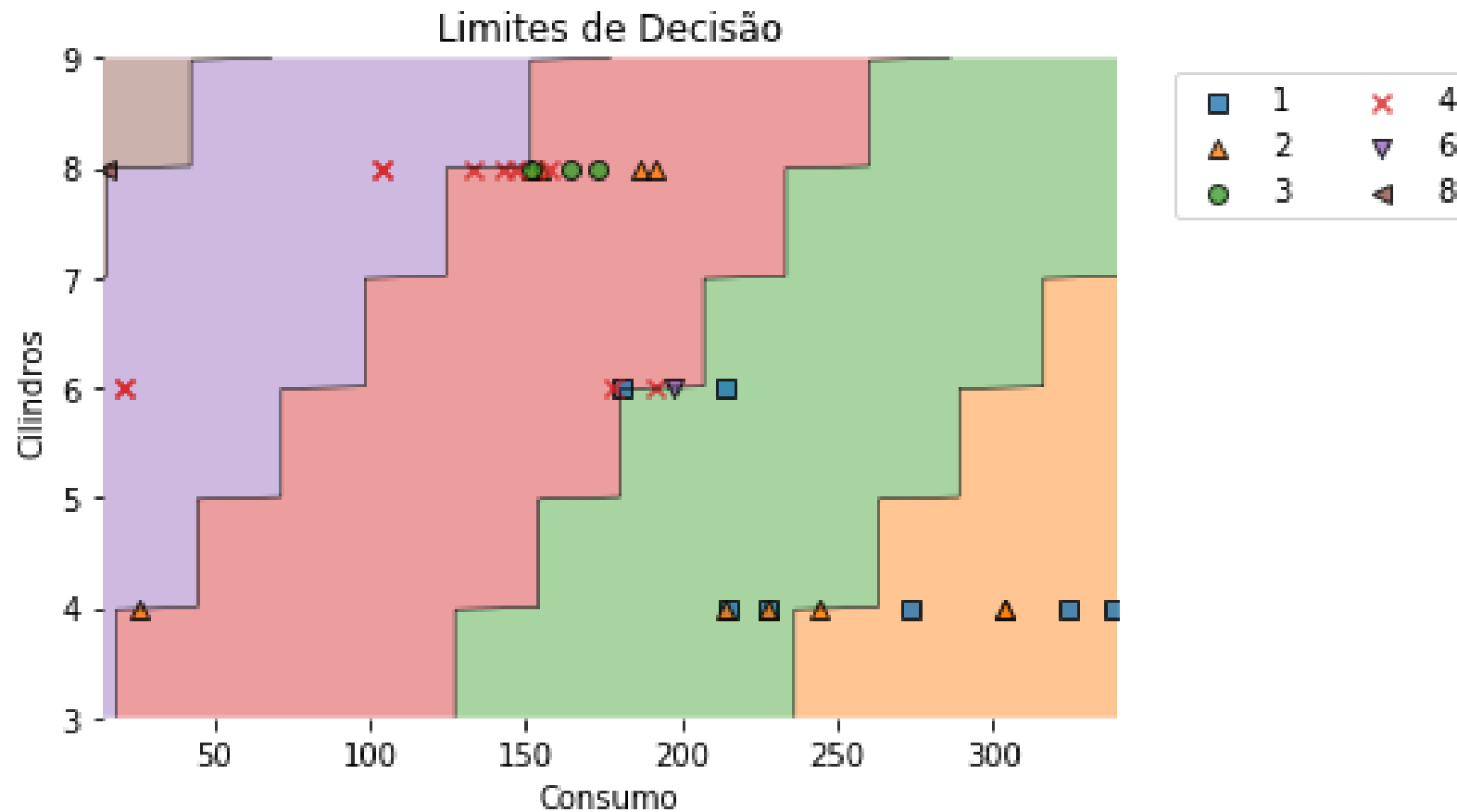


type	Conv2D	?
name	conv2d_2	
ATTRIBUTES		
activation	relu	
bias_initializer	Zeros()	
data_format	channels_last	
dilation_rate	1, 1	
dtype	float32	
filters	32	
kernel_initializer	VarianceScaling(scale: 1, mode: "fan_avg", distribution: "uniform", seed: null)	
kernel_size	3, 3	
padding	valid	
strides	1, 1	
trainable	true	+
use_bias	true	
INPUTS		
input	name: max_pooling2d_1	
kernel	name: conv2d_2/kernel:0	
bias	name: conv2d_2/bias:0	
OUTPUTS		
output	name: conv2d_2	

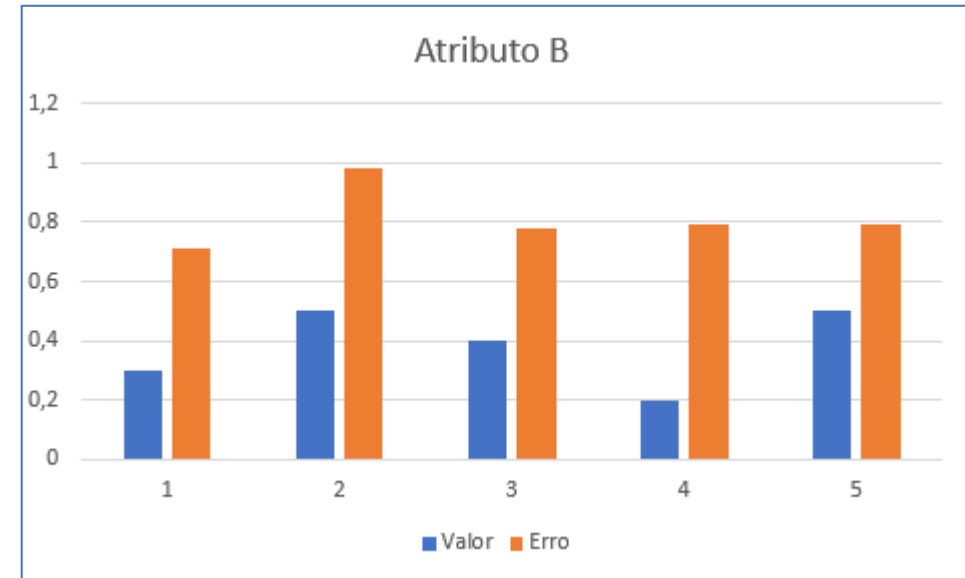
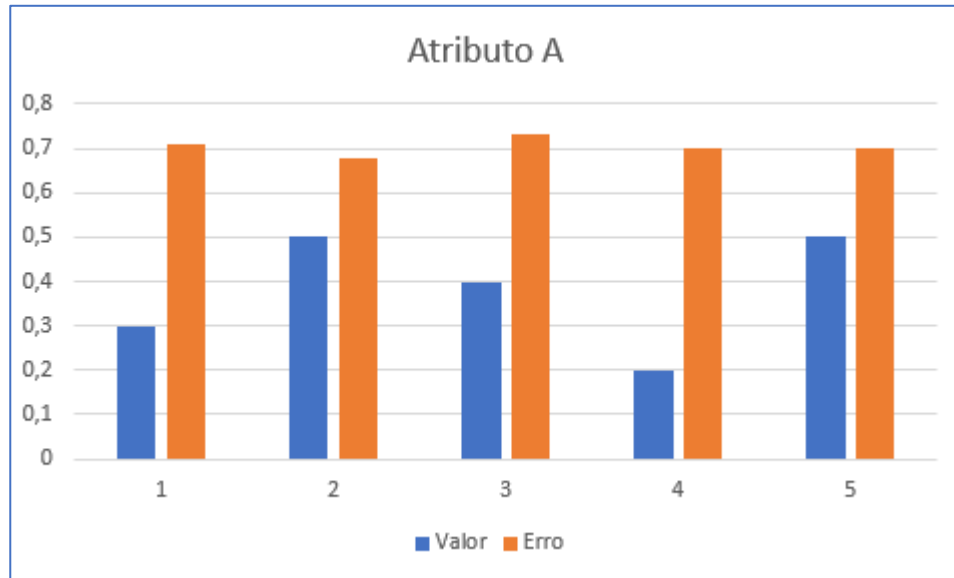


Global

Limites de Decisão

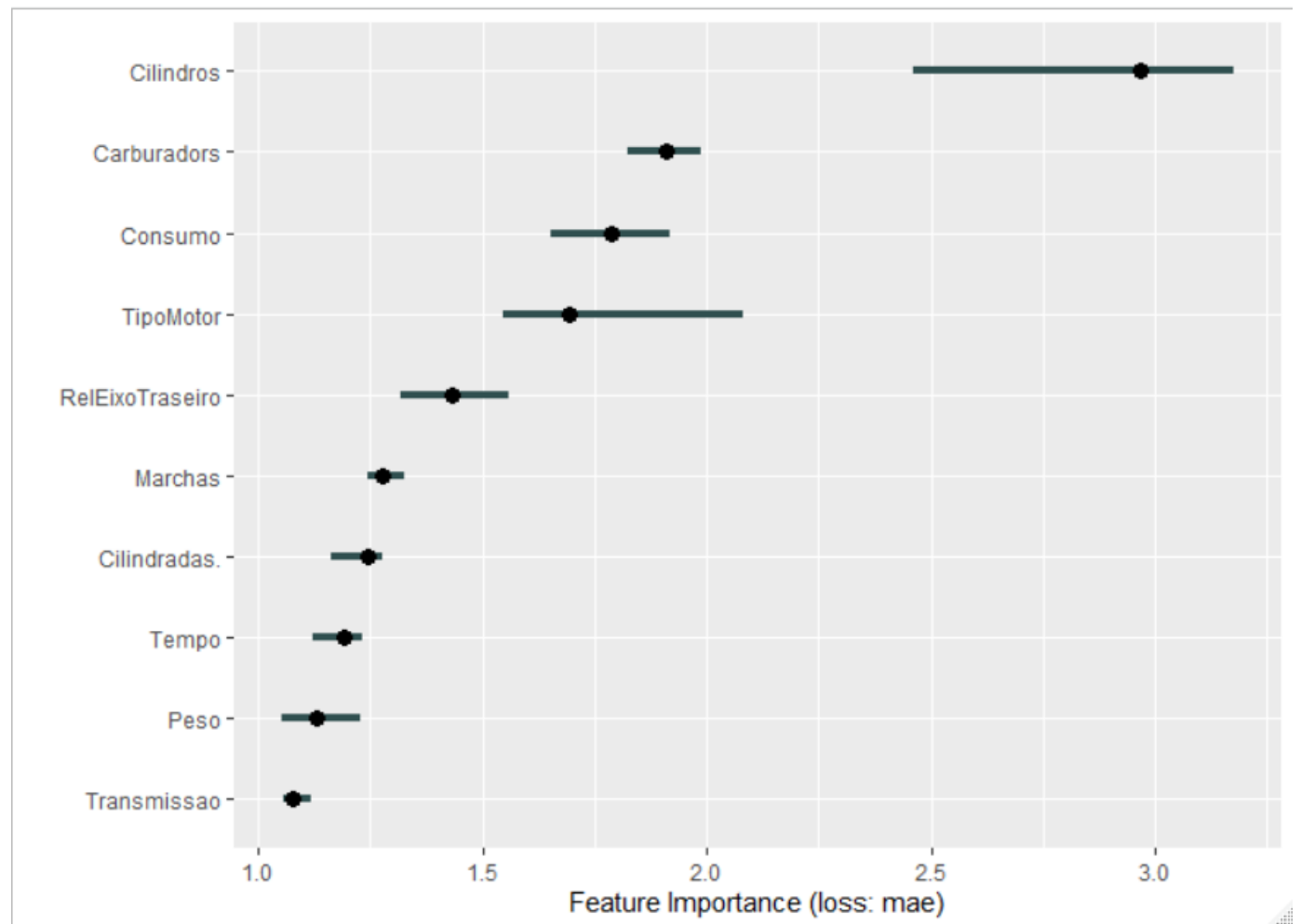


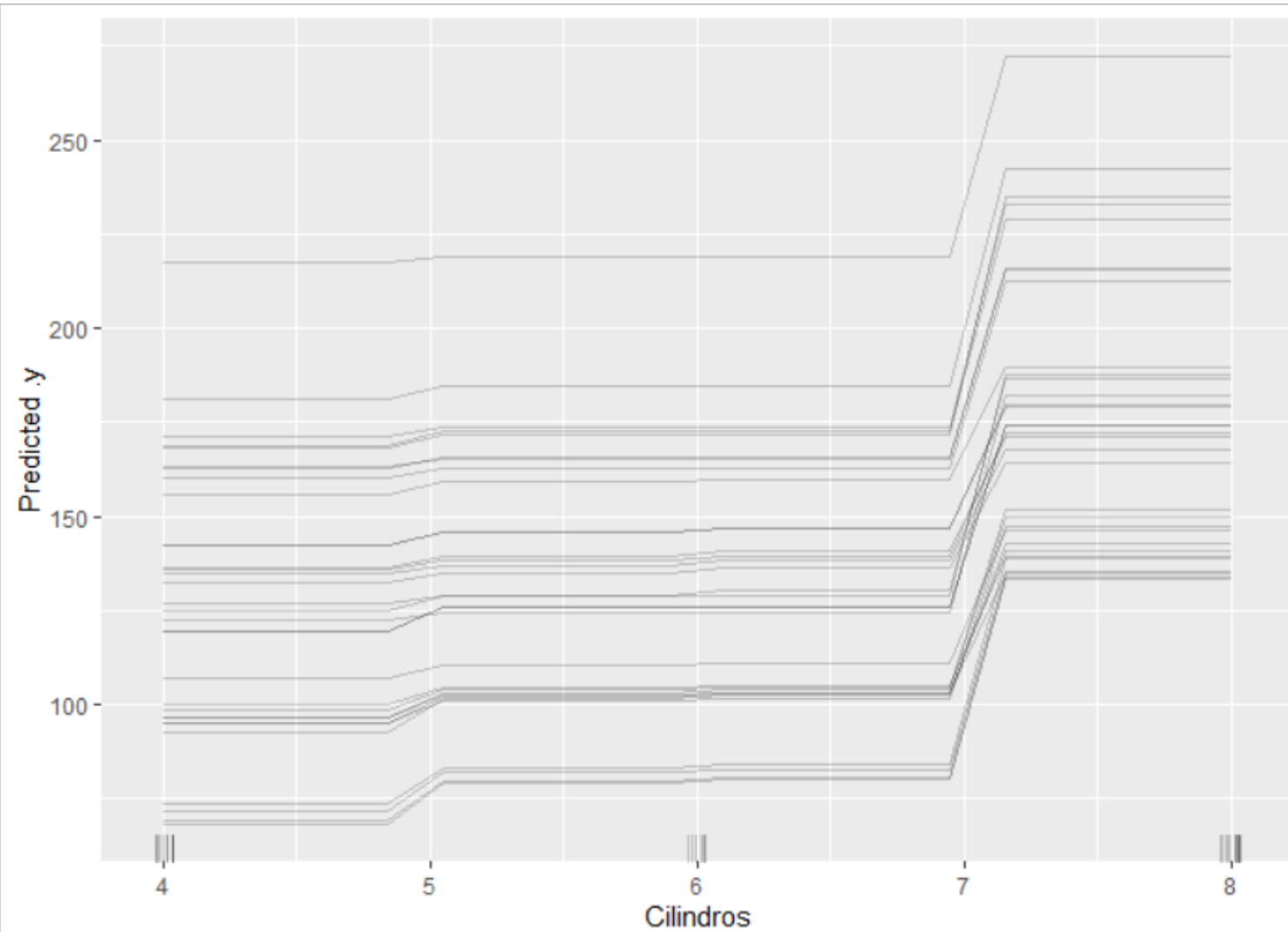
Feature Importance



Qual atributo é mais importante?

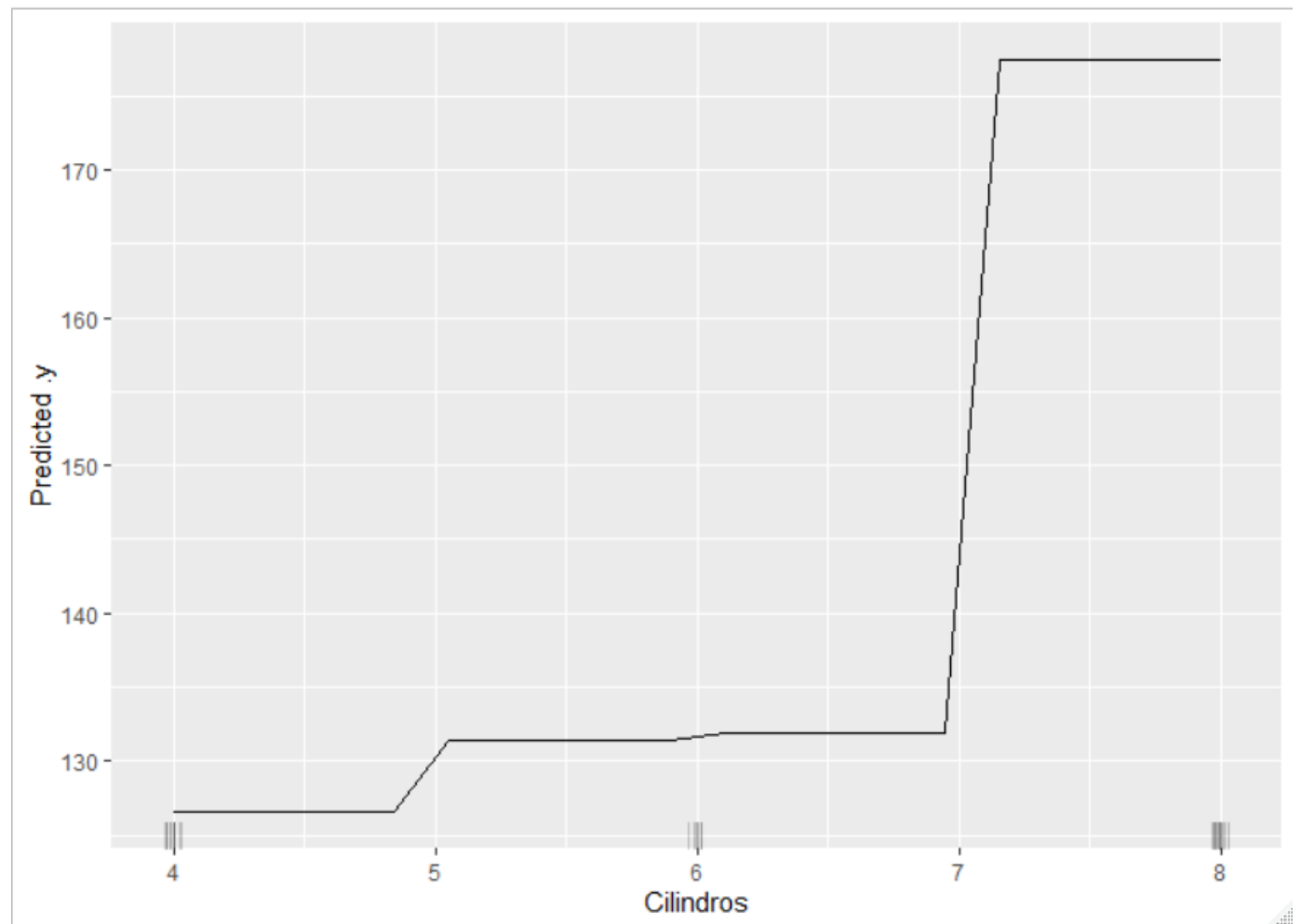
Feature Importance



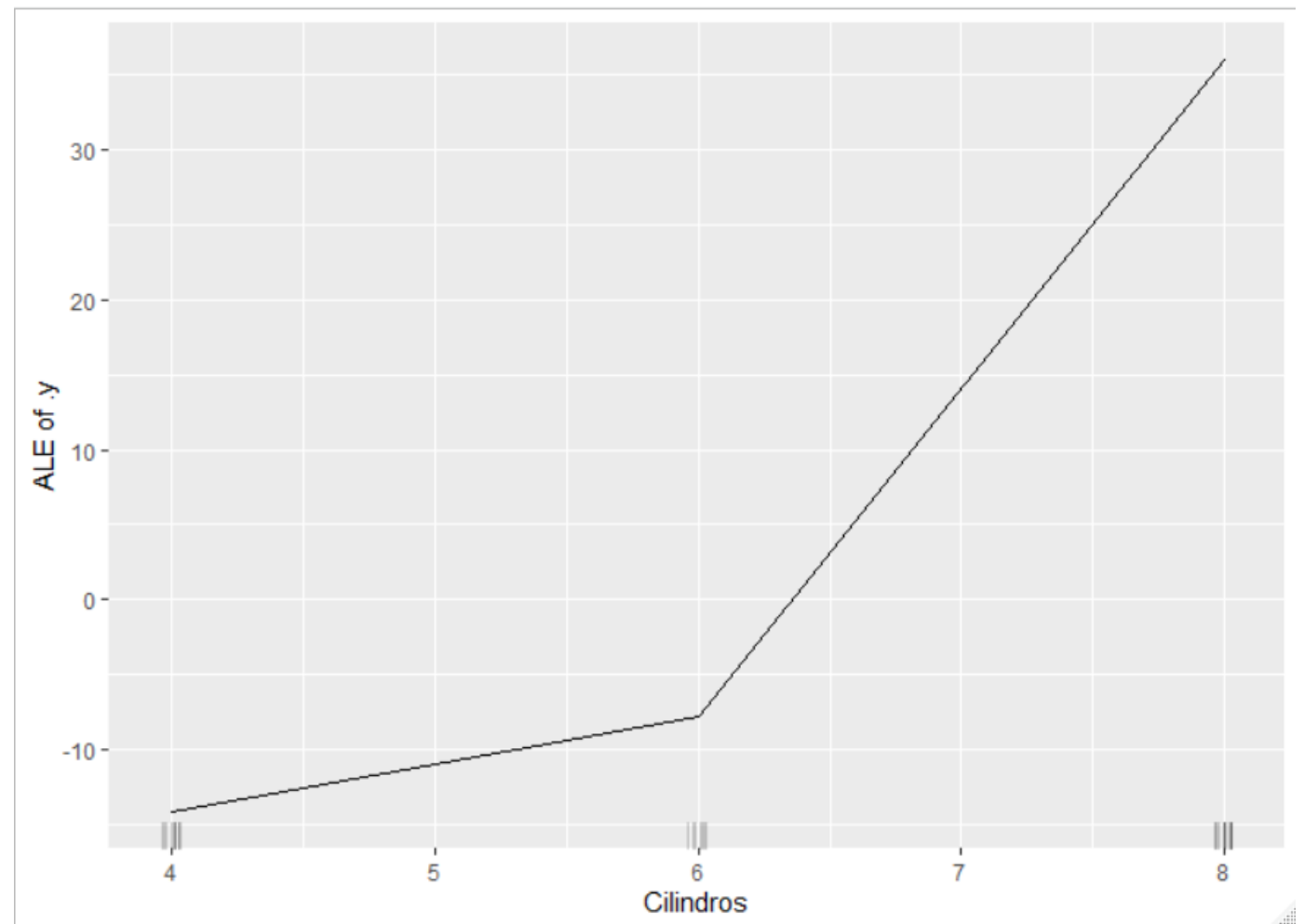


Individual
Conditional
Expectation
(ICE)

Partial Dependence Plots (PDP)

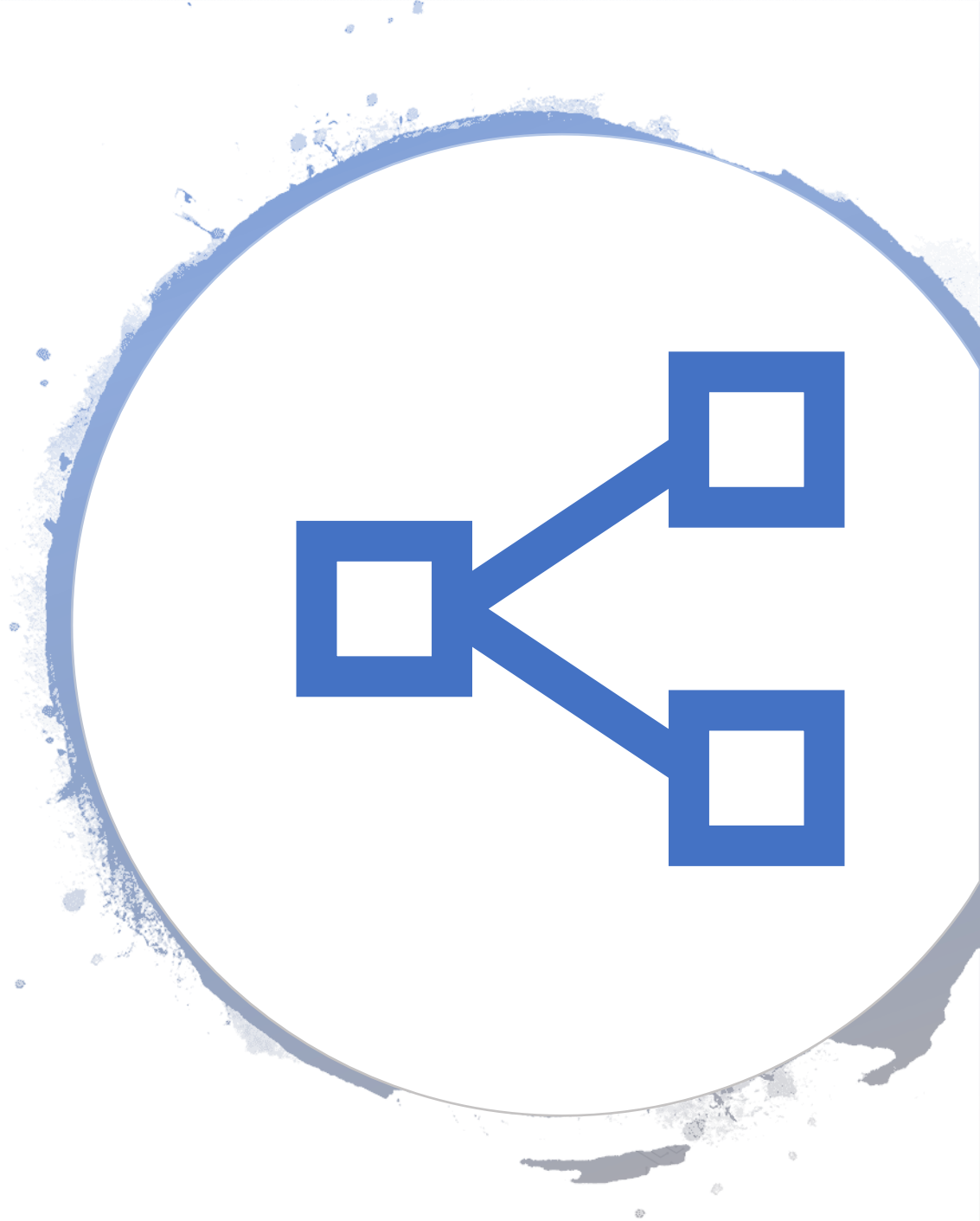


Accumulated Local Effects ALE

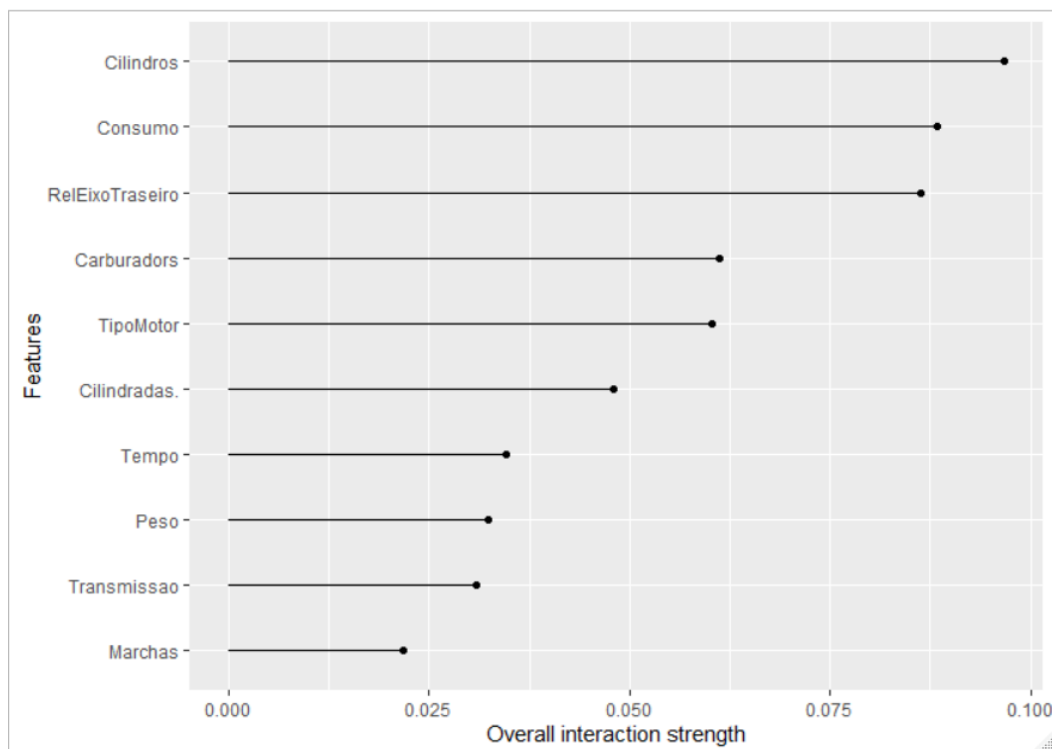
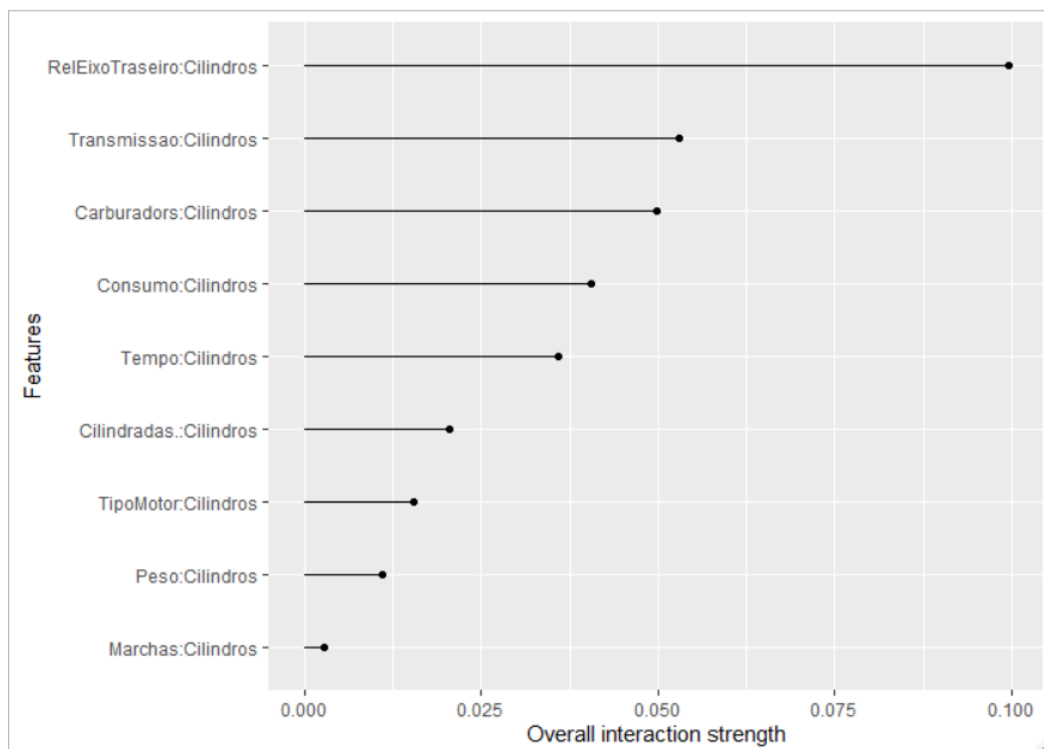


Feature Interaction

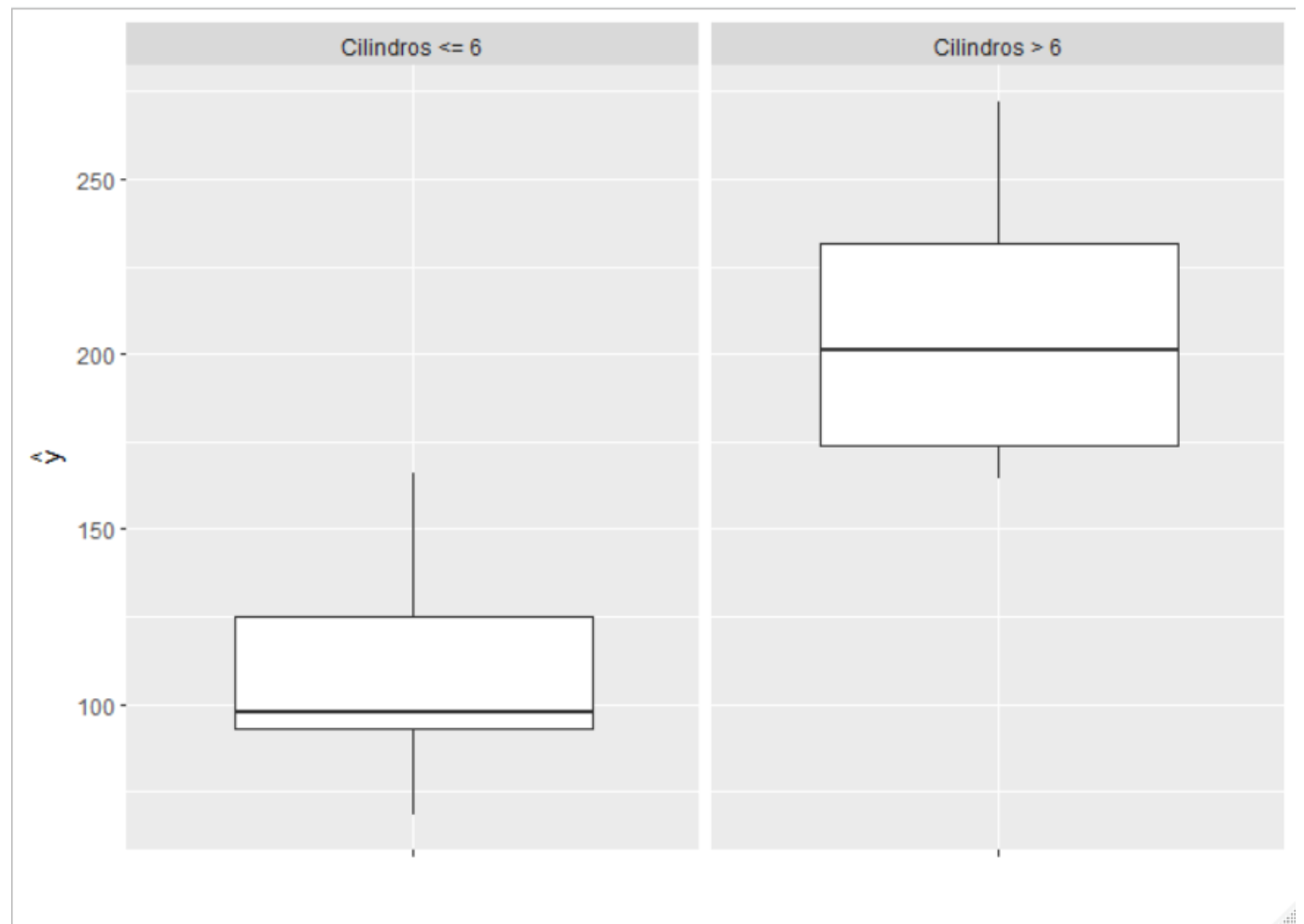
- Média a interação entre características
- A relação de uma característica com a classe depende de outra característica
- Baseado na H-statistic



Feature Interaction



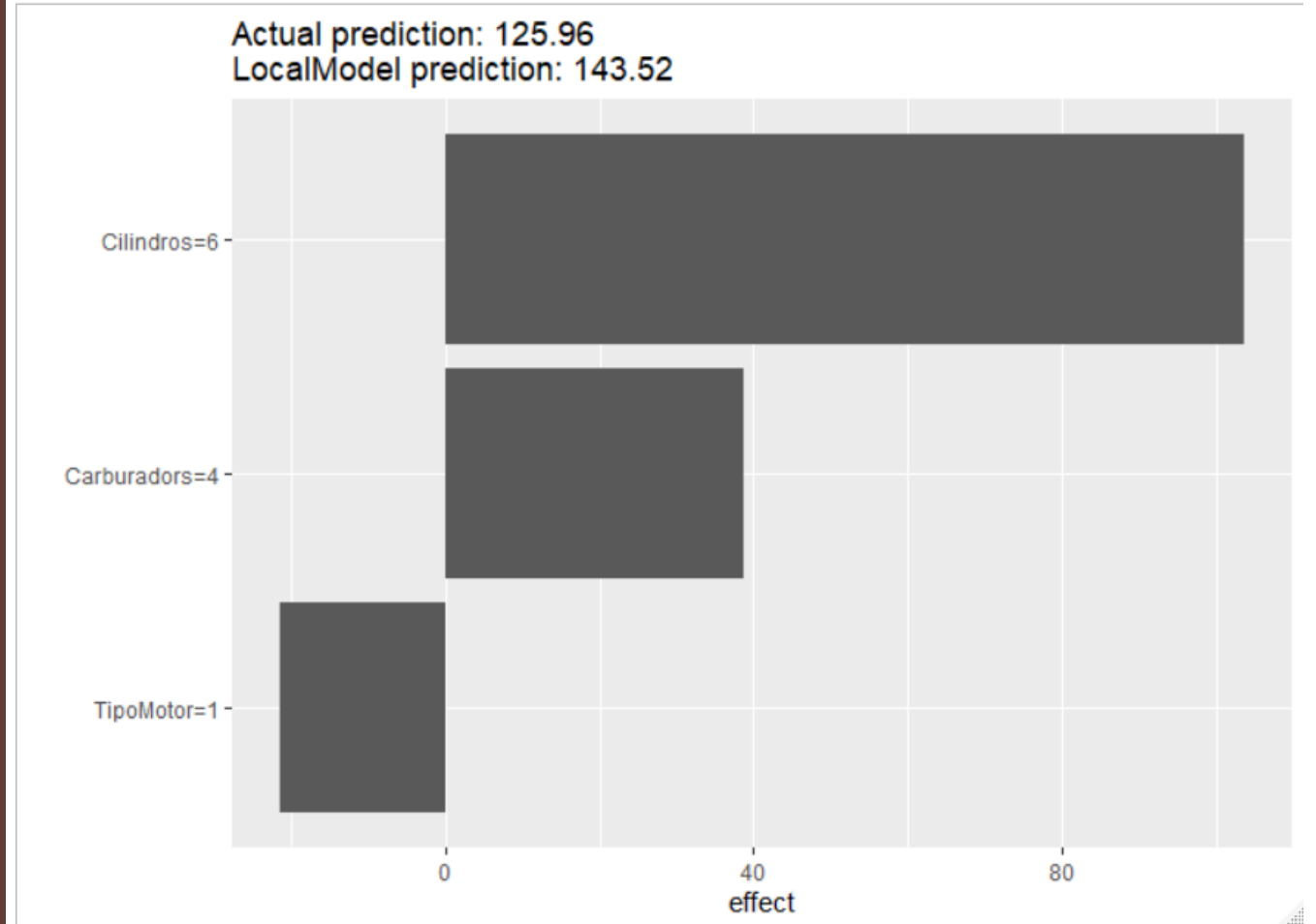
Surogate Model



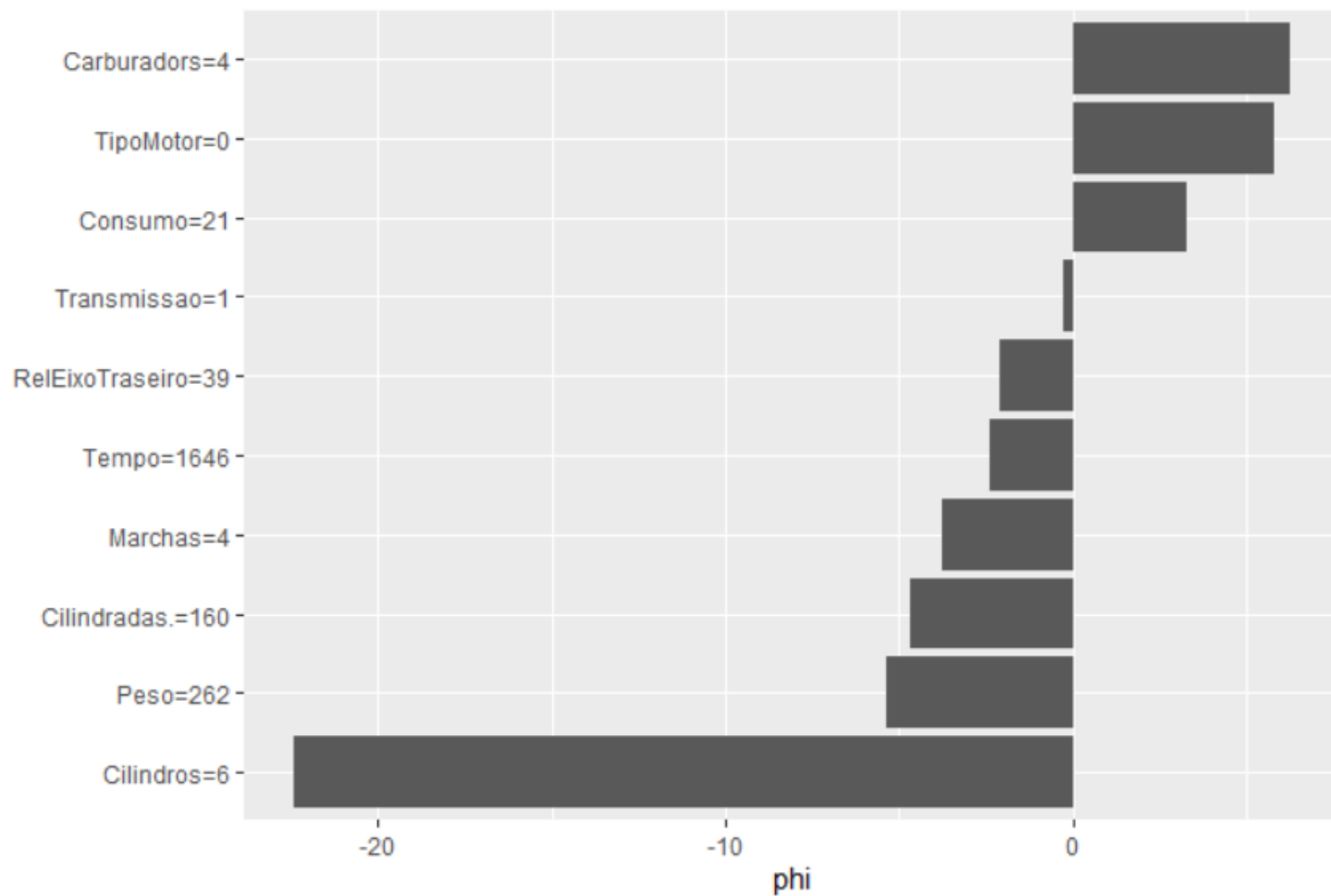


Local

Local Interpretable Model-Agnostic Explanations (Lime)



Actual prediction: 124.22
Average prediction: 147.85



Shapley
Values