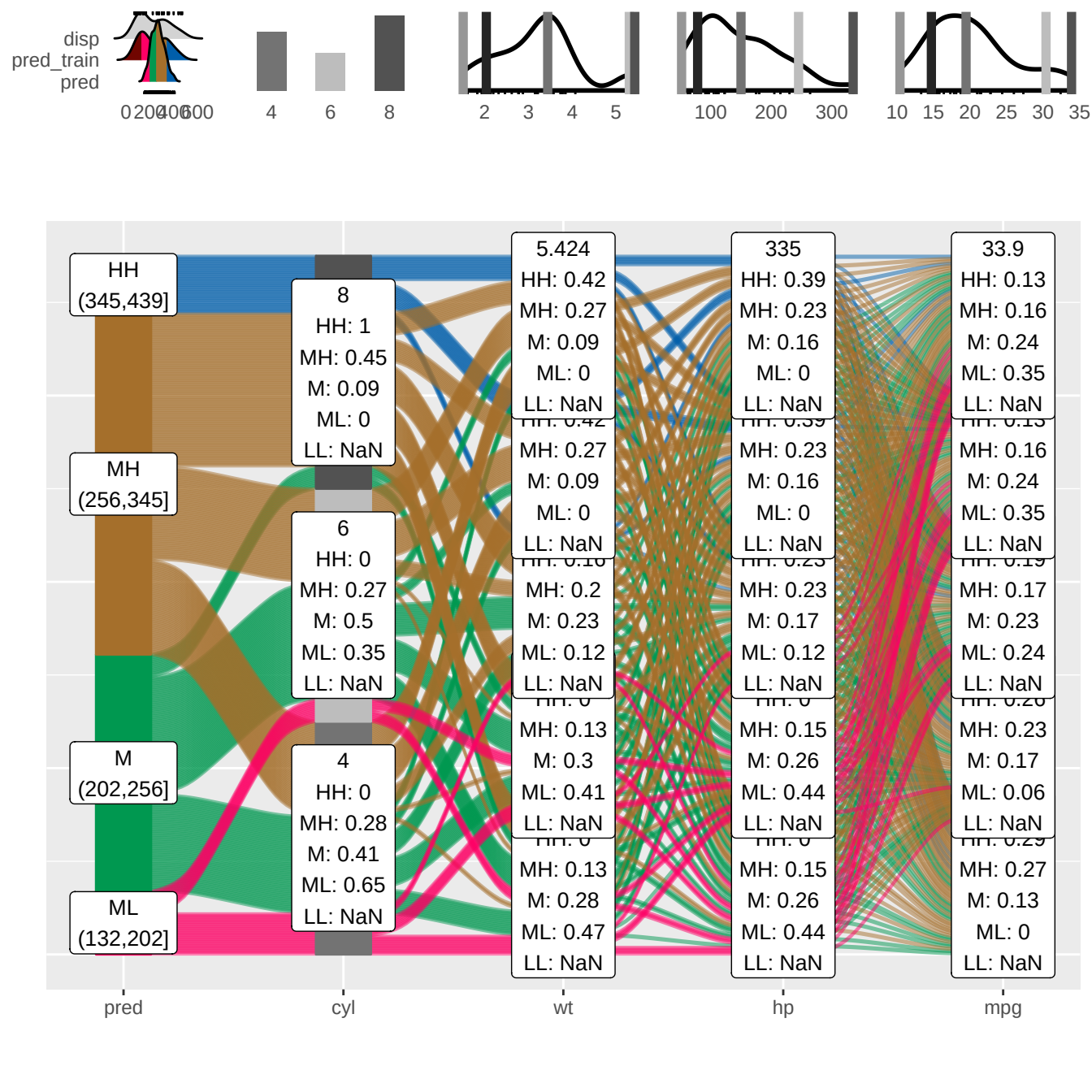
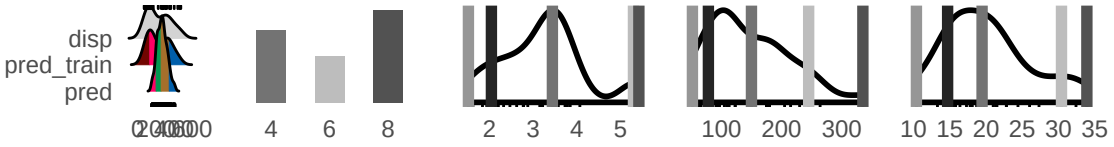
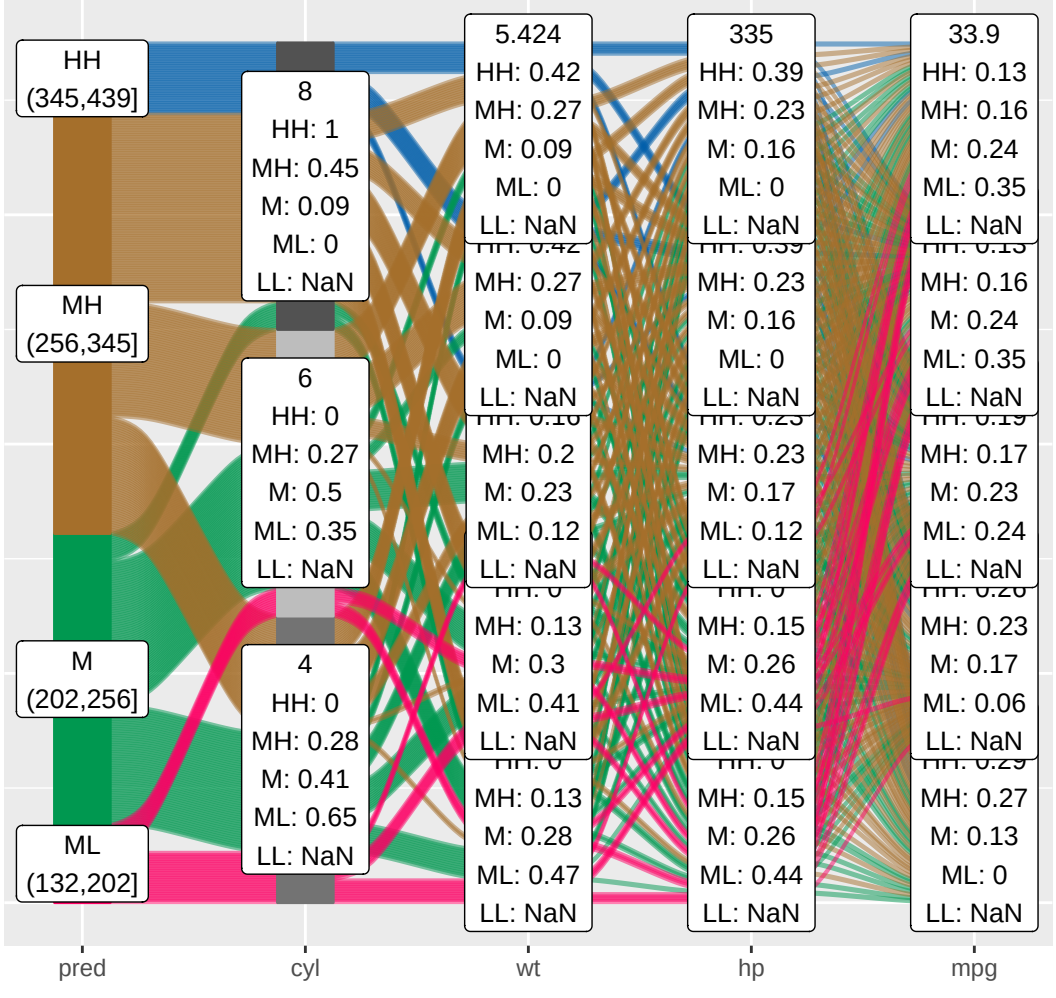
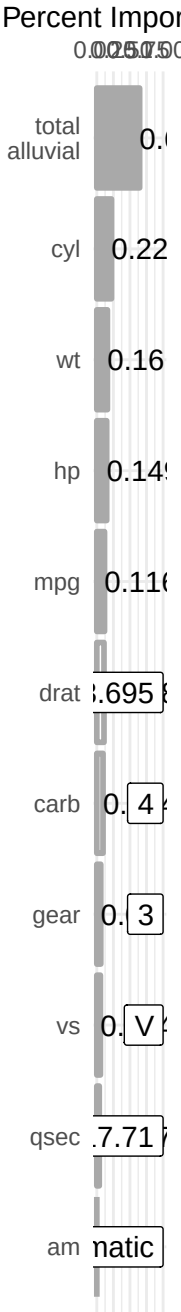
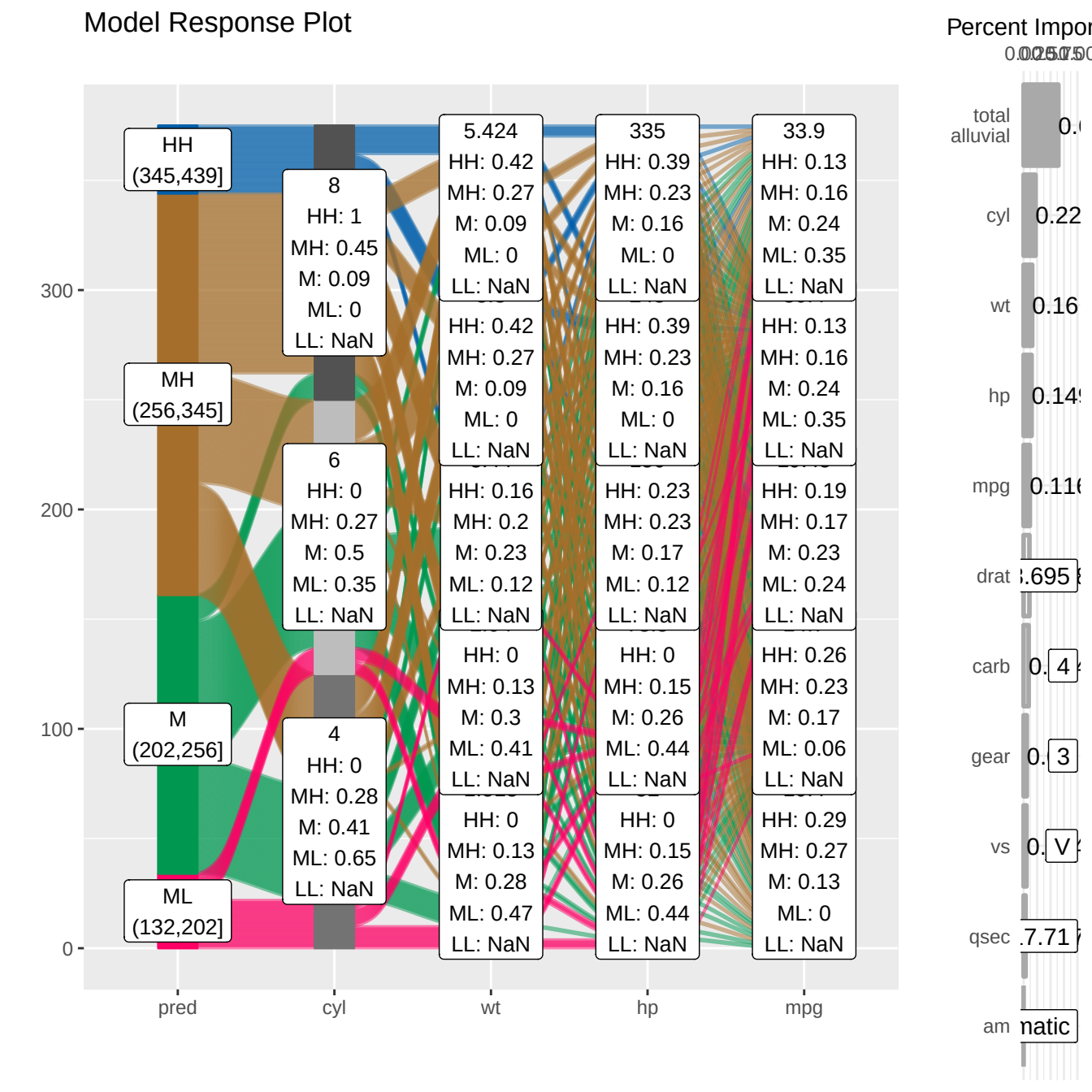

disp
pred_train
pred
0 200 400 600
4 6 8
2 3 4 5
100 200 300
10 15 20 25 30 35
HH
(345,439]
MH
(256,345]
M
(202,256]
ML
(132,202]
8
HH: 1
MH: 0.45
M: 0.09
ML: 0
LL: NaN
6
HH: 0
MH: 0.27
M: 0.5
ML: 0.35
LL: NaN
4
HH: 0
MH: 0.28
M: 0.41
ML: 0.65
LL: NaN
5.424
HH: 0.42
MH: 0.27
M: 0.09
ML: 0
LL: NaN
MH: 0.27
M: 0.09
ML: 0
LL: NaN
MH: 0.2
M: 0.23
ML: 0.12
LL: NaN
MH: 0.13
M: 0.3
ML: 0.41
LL: NaN
MH: 0.13
M: 0.28
ML: 0.47
LL: NaN
335
HH: 0.39
MH: 0.23
M: 0.16
ML: 0
LL: NaN
MH: 0.23
M: 0.16
ML: 0
LL: NaN
MH: 0.23
M: 0.17
ML: 0.12
LL: NaN
MH: 0.15
M: 0.26
ML: 0.44
LL: NaN
MH: 0.15
M: 0.26
ML: 0.44
LL: NaN
33.9
HH: 0.13
MH: 0.16
M: 0.24
ML: 0.35
LL: NaN
MH: 0.16
M: 0.24
ML: 0.35
LL: NaN
MH: 0.17
M: 0.23
ML: 0.24
LL: NaN
MH: 0.23
M: 0.17
ML: 0.06
LL: NaN
MH: 0.27
M: 0.13
ML: 0
LL: NaN
pred
cyl
wt
hp
mpg

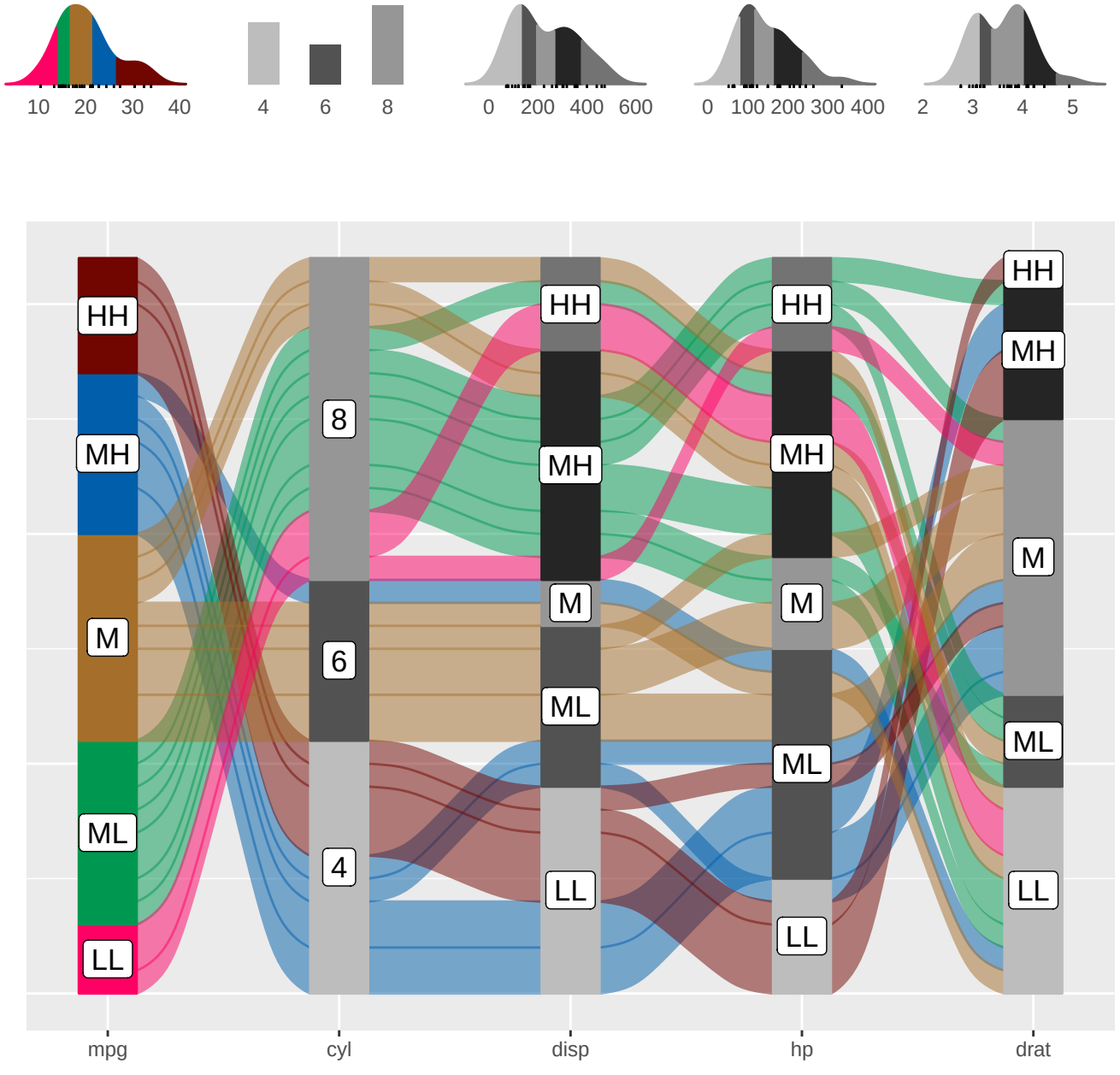

disp
pred_train
pred
4
6
8
2
3
4
5
100
200
300
10
15
20
25
30
35

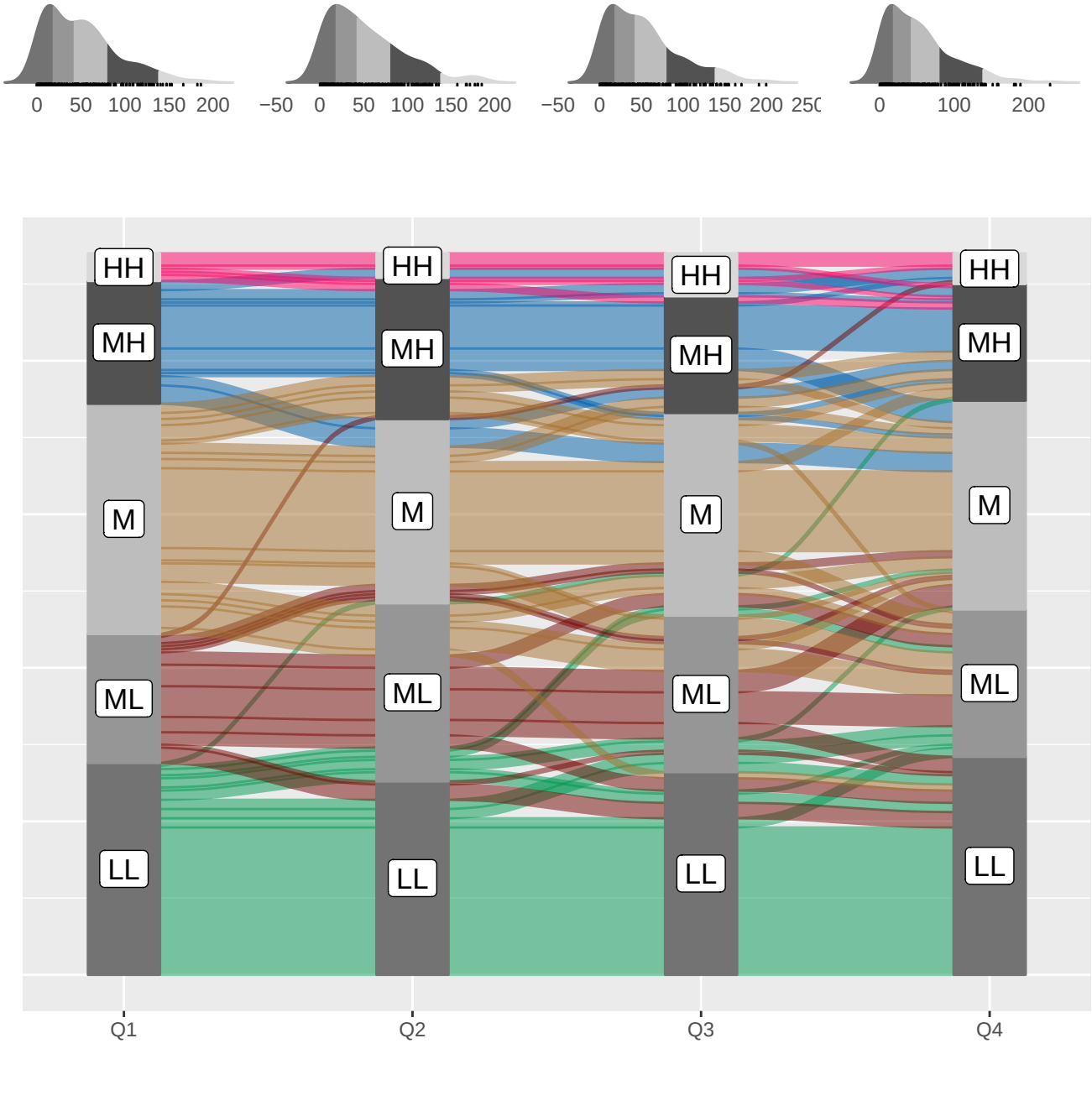

HH
(345,439]
MH
(256,345]
M
(202,256]
ML
(132,202]
8
HH: 1
MH: 0.45
M: 0.09
ML: 0
LL: NaN
6
HH: 0
MH: 0.27
M: 0.5
ML: 0.35
LL: NaN
4
HH: 0
MH: 0.28
M: 0.41
ML: 0.65
LL: NaN
5.424
HH: 0.42
MH: 0.27
M: 0.09
ML: 0
LL: NaN
MH: 0.2
M: 0.23
ML: 0.12
LL: NaN
MH: 0.13
M: 0.3
ML: 0.41
LL: NaN
MH: 0.13
M: 0.28
ML: 0.47
LL: NaN
335
HH: 0.39
MH: 0.23
M: 0.16
ML: 0
LL: NaN
MH: 0.23
M: 0.17
ML: 0.12
LL: NaN
MH: 0.15
M: 0.26
ML: 0.44
LL: NaN
MH: 0.15
M: 0.26
ML: 0.44
LL: NaN
33.9
HH: 0.13
MH: 0.16
M: 0.24
ML: 0.35
LL: NaN
MH: 0.17
M: 0.23
ML: 0.24
LL: NaN
MH: 0.23
M: 0.17
ML: 0.06
LL: NaN
MH: 0.27
M: 0.13
ML: 0
LL: NaN
pred
cyl
wt
hp
mpg

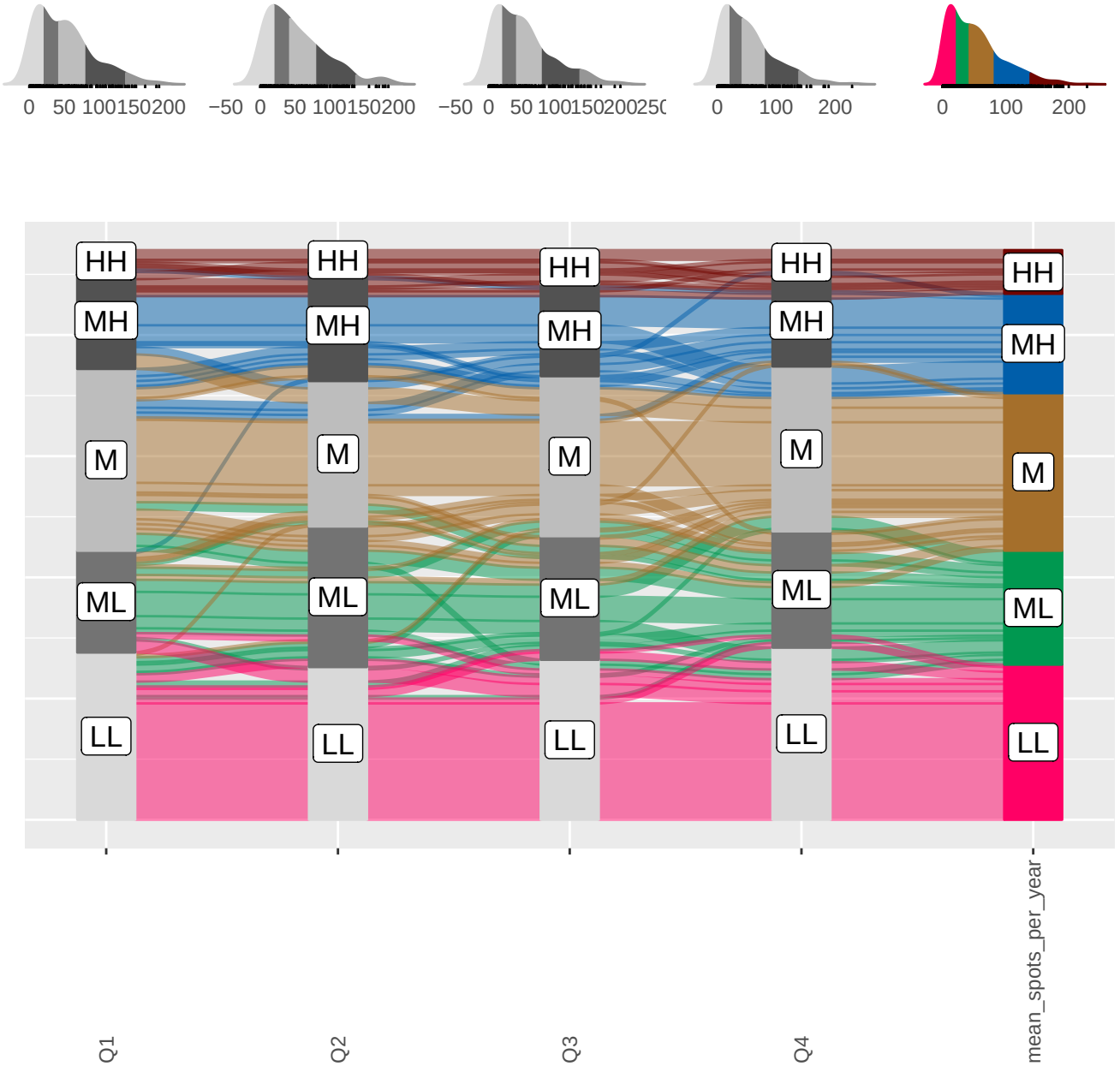

Percent Impor
total
alluvial
cyl
0.22
wt
0.16
hp
mpg
drat
carb
4
gear
3
vs
V
qsec
7.71
am
natic

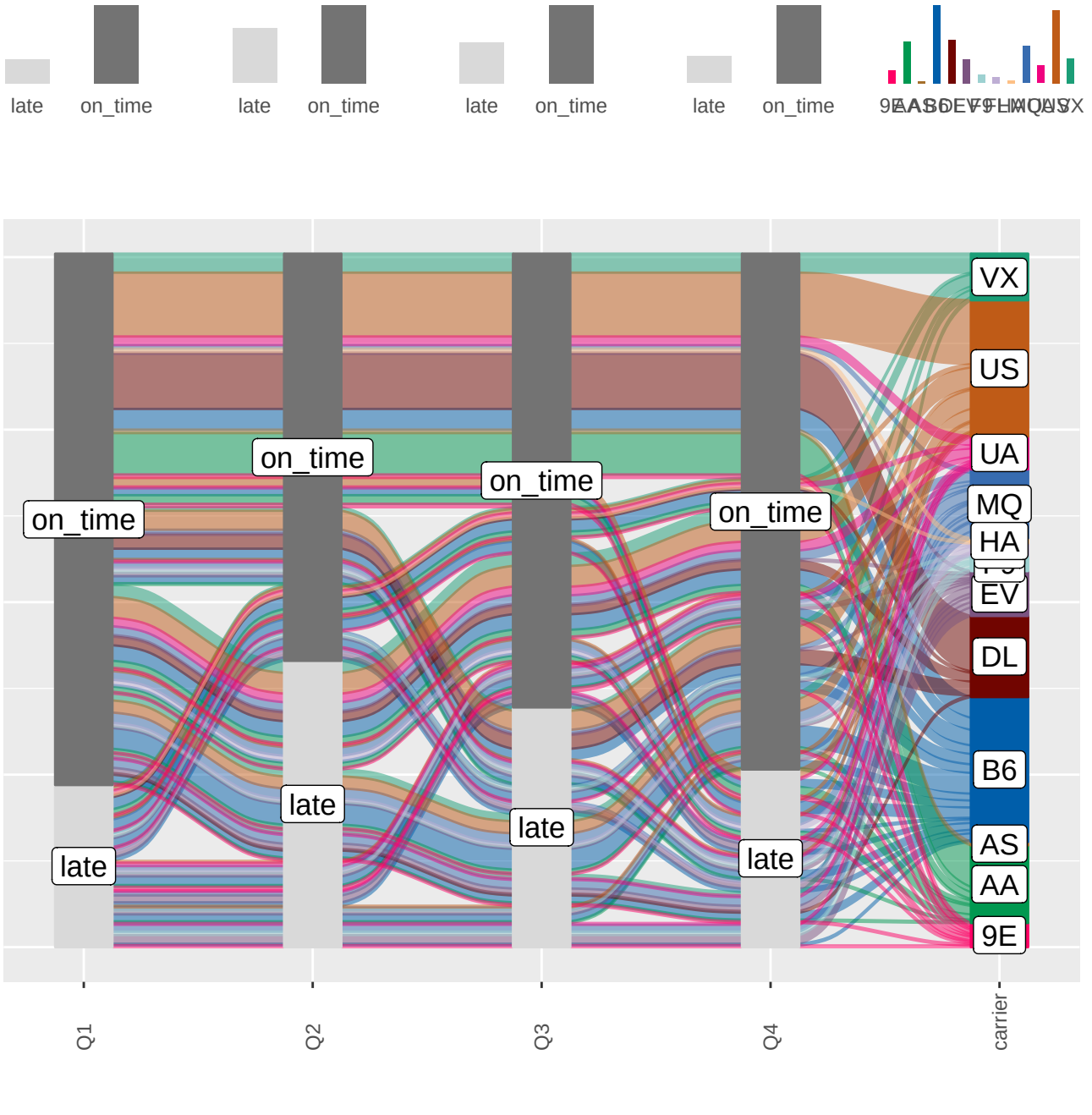


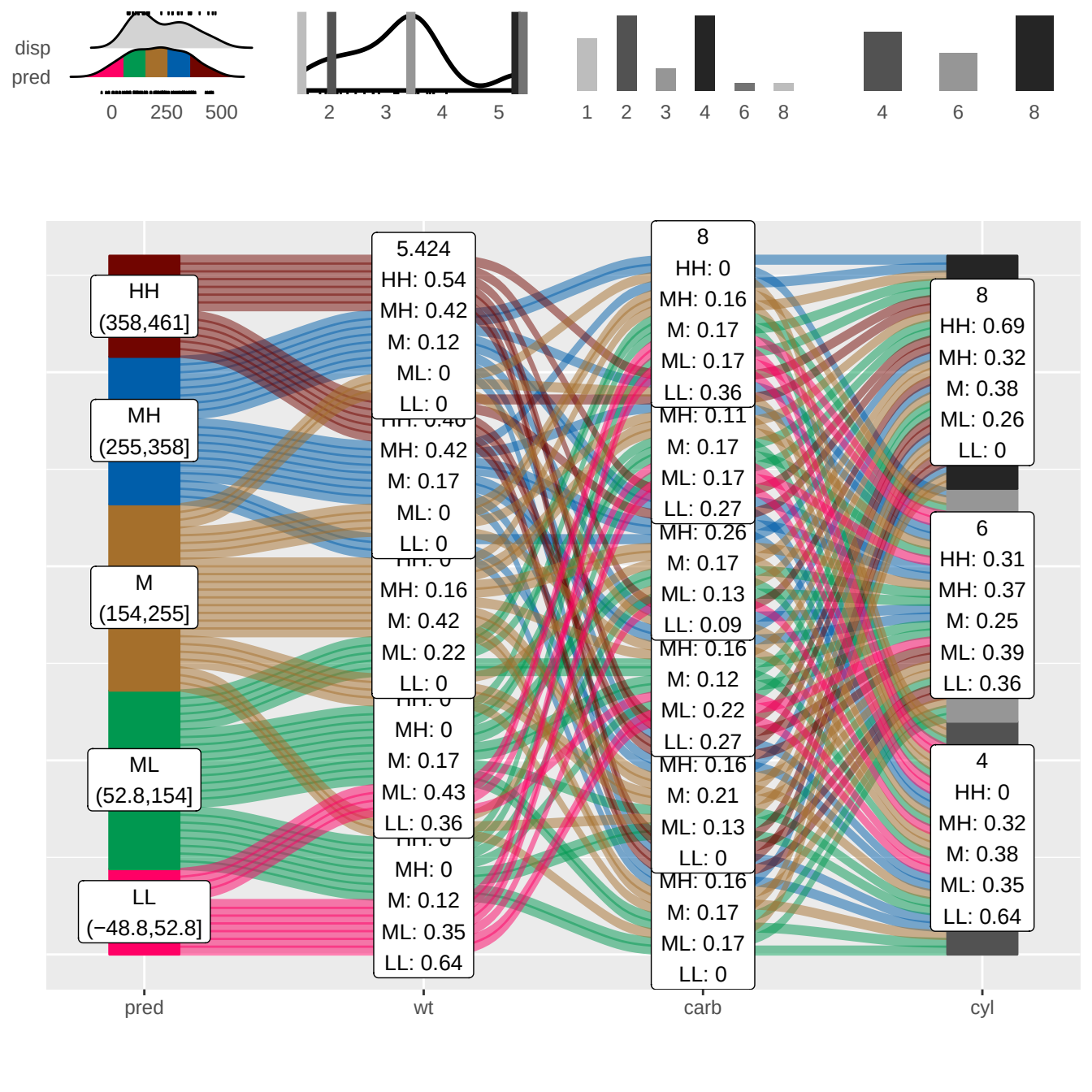
Model Response Plot
Percent Impor
HH (345,439]
MH (256,345]
M (202,256]
ML (132,202]
8 HH: 1 MH: 0.45 M: 0.09 ML: 0 LL: NaN
6 HH: 0 MH: 0.27 M: 0.5 ML: 0.35 LL: NaN
4 HH: 0 MH: 0.28 M: 0.41 ML: 0.65 LL: NaN
5.424 HH: 0.42 MH: 0.27 M: 0.09 ML: 0 LL: NaN
HH: 0.42 MH: 0.27 M: 0.09 ML: 0 LL: NaN
HH: 0.16 MH: 0.2 M: 0.23 ML: 0.12 LL: NaN
HH: 0 MH: 0.13 M: 0.3 ML: 0.41 LL: NaN
HH: 0 MH: 0.13 M: 0.28 ML: 0.47 LL: NaN
335 HH: 0.39 MH: 0.23 M: 0.16 ML: 0 LL: NaN
HH: 0.39 MH: 0.23 M: 0.16 ML: 0 LL: NaN
HH: 0.23 MH: 0.23 M: 0.17 ML: 0.12 LL: NaN
HH: 0 MH: 0.15 M: 0.26 ML: 0.44 LL: NaN
HH: 0 MH: 0.15 M: 0.26 ML: 0.44 LL: NaN
33.9 HH: 0.13 MH: 0.16 M: 0.24 ML: 0.35 LL: NaN
HH: 0.13 MH: 0.16 M: 0.24 ML: 0.35 LL: NaN
HH: 0.19 MH: 0.17 M: 0.23 ML: 0.24 LL: NaN
HH: 0.26 MH: 0.23 M: 0.17 ML: 0.06 LL: NaN
HH: 0.29 MH: 0.27 M: 0.13 ML: 0 LL: NaN
300
200
100
0
pred
cyl
wt
hp
mpg
total alluvial
cyl
wt
hp
mpg
drat
carb
gear
vs
qsec
am


10 20 30 40
4 6 8
0 200 400 600
0 100 200 300 400
2 3 4 5
HH
MH
M
ML
LL
8
6
4
HH
MH
M
ML
LL
HH
MH
M
ML
LL
HH
MH
M
ML
LL
mpg
cyl
disp
hp
drat

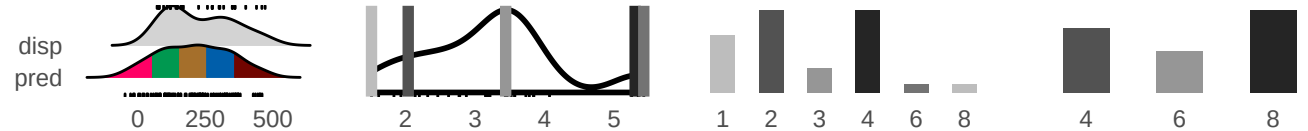

0 50 100 150 200
−50 0 50 100 150 200
−50 0 50 100 150 200 250
0 100 200
HH
MH
M
ML
LL
Q1
Q2
Q3
Q4

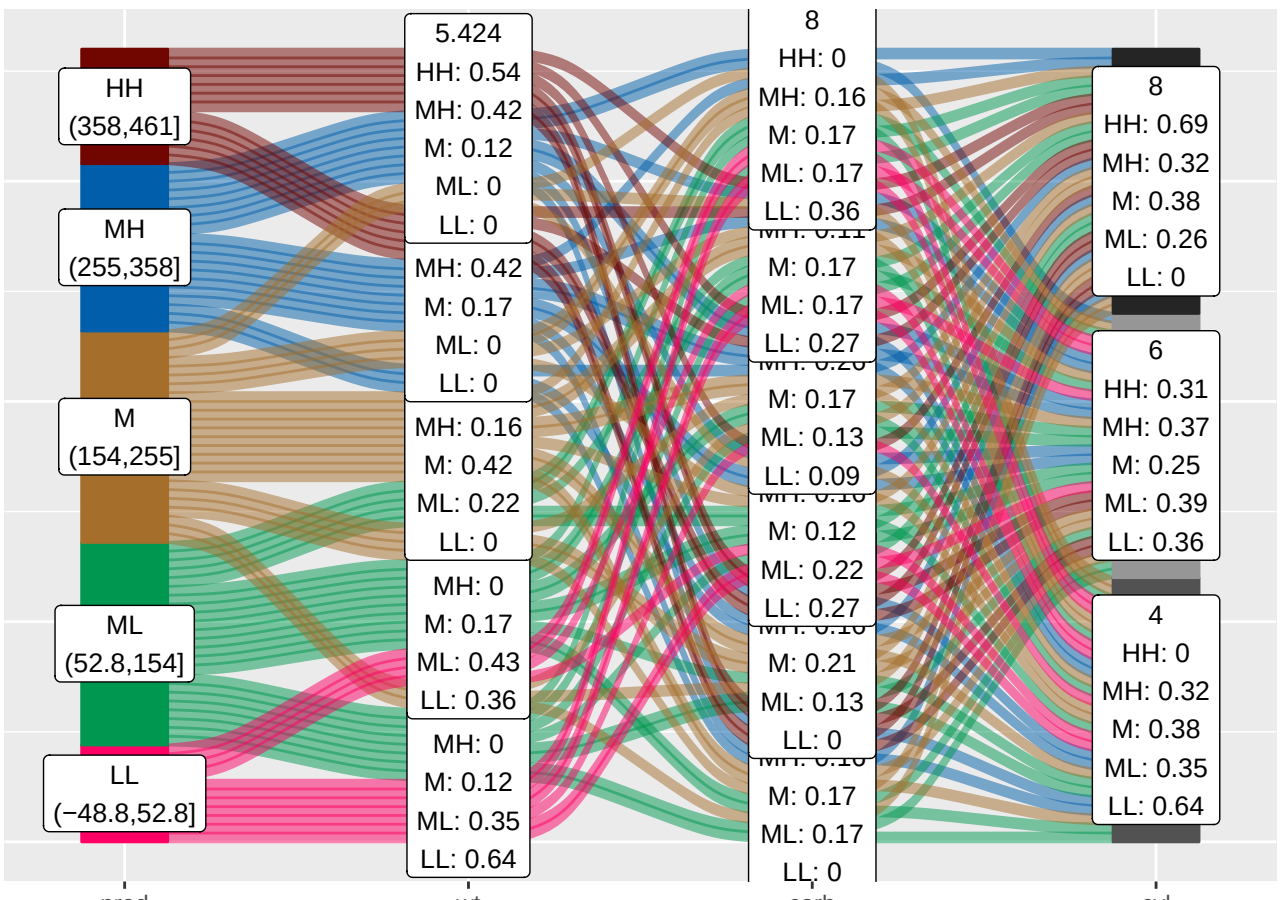

0 50 100150200
−50 0 50 100150200
−50 0 50 100150200250
0 100 200
0 100 200
HH
MH
M
ML
LL
Q1
Q2
Q3
Q4
mean_spots_per_year


late
on_time
late
on_time
late
on_time
late
on_time
9E AA B6 DL EV F9 HA MQ OO UA US VX WN YX
on_time
late
on_time
late
on_time
late
on_time
late
VX
US
UA
MQ
HA
EV
DL
B6
AS
AA
9E
Q1
Q2
Q3
Q4
carrier

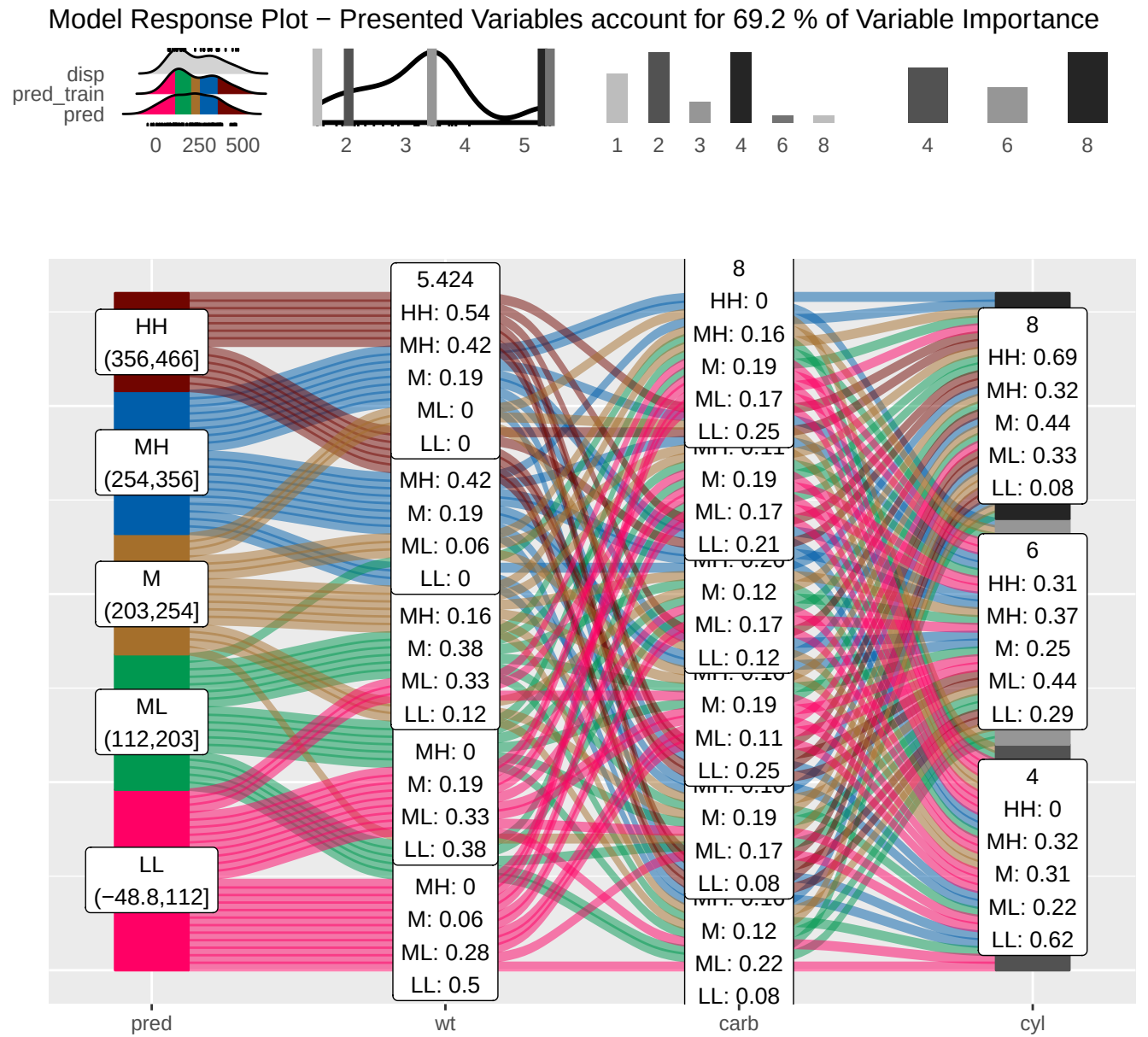

disp
pred
0
250
500
2
3
4
5
1
2
3
4
6
8
4
6
8
HH
(358,461]
MH
(255,358]
M
(154,255]
ML
(52.8,154]
LL
(−48.8,52.8]
5.424
HH: 0.54
MH: 0.42
M: 0.12
ML: 0
LL: 0
MH: 0.42
M: 0.17
ML: 0
LL: 0
MH: 0.16
M: 0.42
ML: 0.22
LL: 0
MH: 0
M: 0.17
ML: 0.43
LL: 0.36
MH: 0
M: 0.12
ML: 0.35
LL: 0.64
8
HH: 0
MH: 0.16
M: 0.17
ML: 0.17
LL: 0.36
MH: 0.11
M: 0.17
ML: 0.17
LL: 0.27
MH: 0.26
M: 0.17
ML: 0.13
LL: 0.09
MH: 0.16
M: 0.12
ML: 0.22
LL: 0.27
MH: 0.16
M: 0.21
ML: 0.13
LL: 0
MH: 0.16
M: 0.17
ML: 0.17
LL: 0
8
HH: 0.69
MH: 0.32
M: 0.38
ML: 0.26
LL: 0
6
HH: 0.31
MH: 0.37
M: 0.25
ML: 0.39
LL: 0.36
4
HH: 0
MH: 0.32
M: 0.38
ML: 0.35
LL: 0.64
pred
wt
carb
cyl

Model Response Plot − Presented Variables account for 69.2 % of Variable Importance

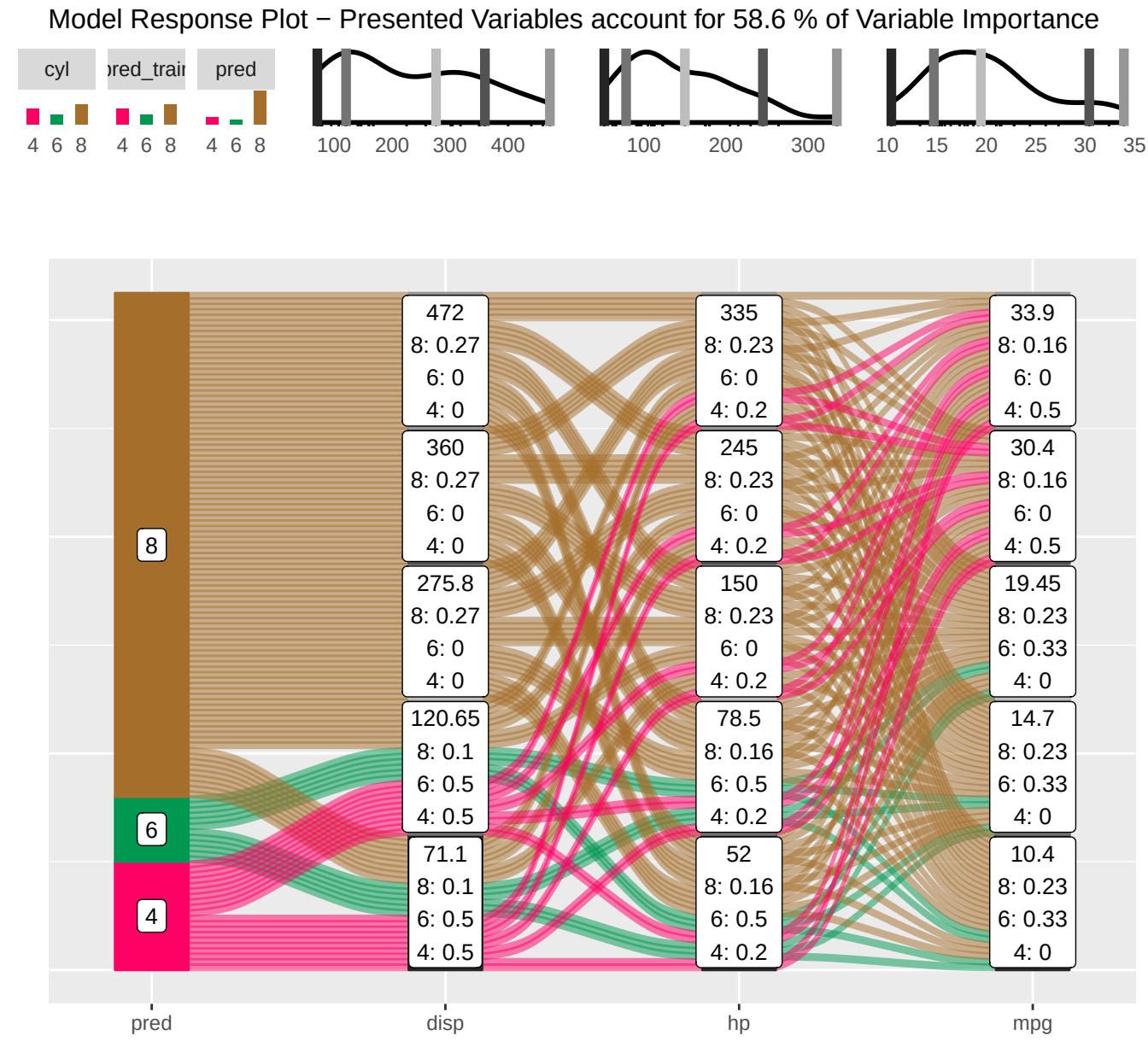




wn have been set to median or mode: gear: 3; hp: 123; am: automatic; mpg: 19.2; qsec: 17.71;



wn have been set to median or mode: gear: 3; hp: 123; am: automatic; mpg: 19.2; qsec: 17.71;



own have been set to median or mode: wt: 3.325; vs: V; drat: 3.695; qsec: 17.71; carb: 4; gear: