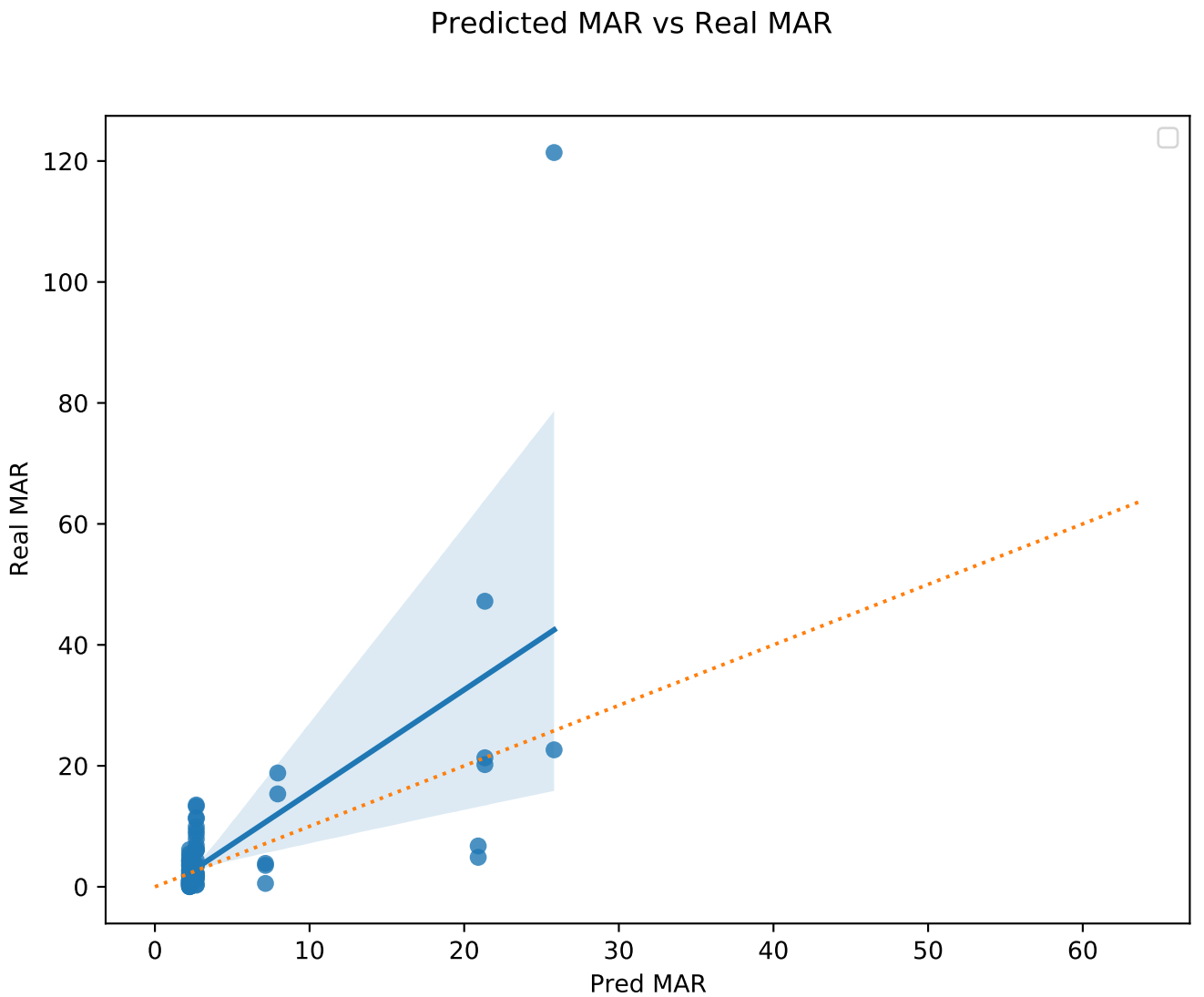
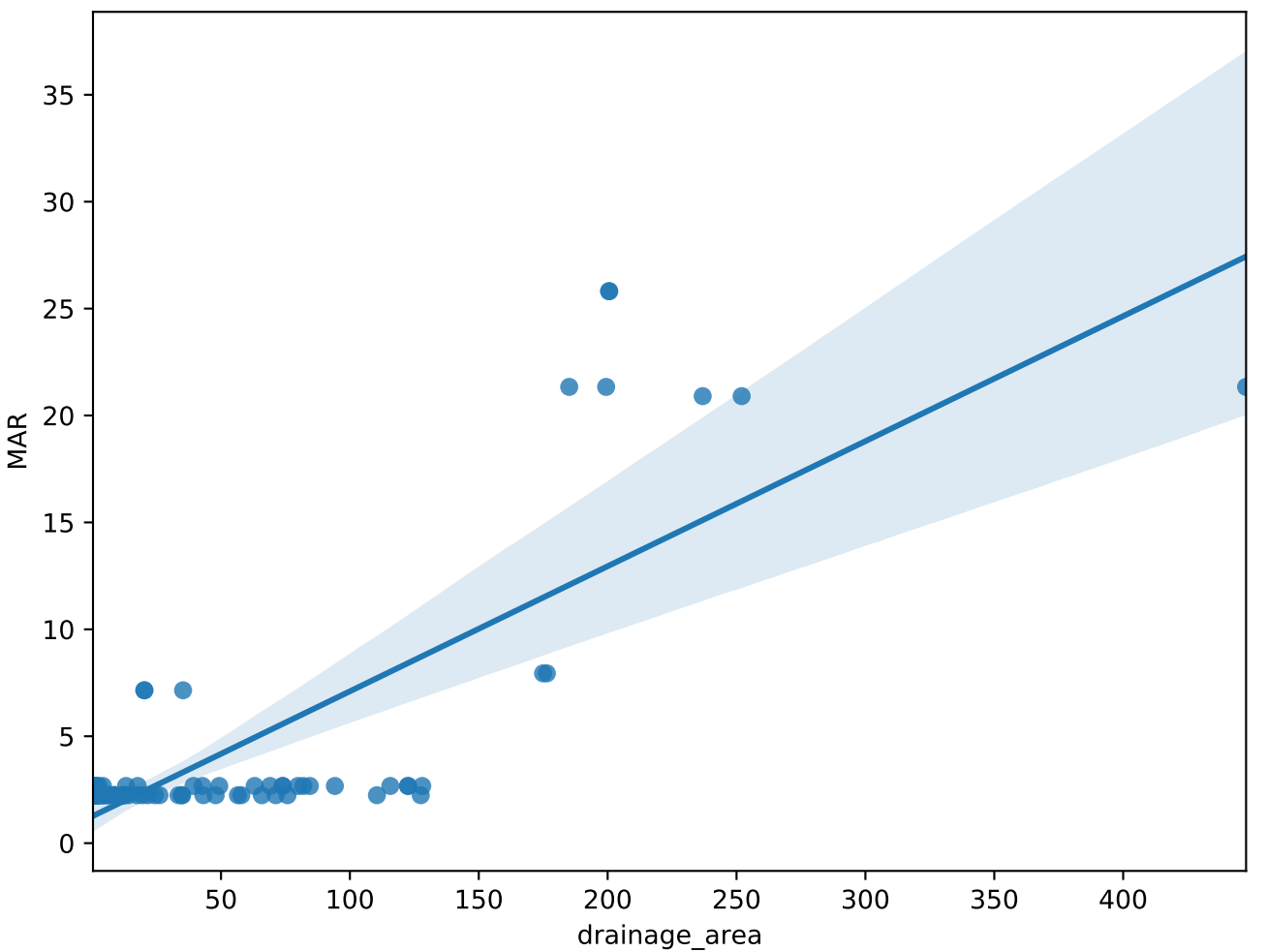
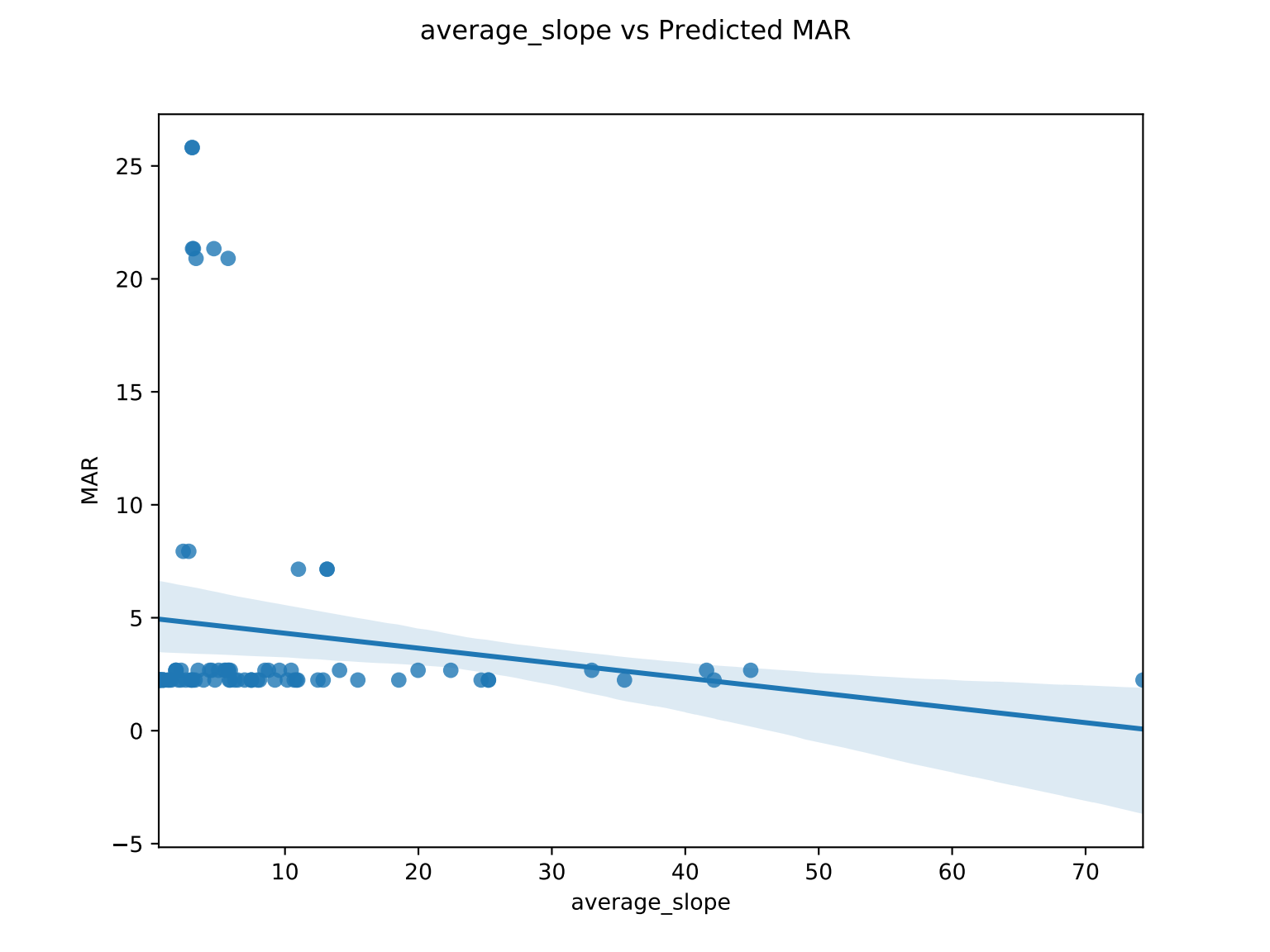
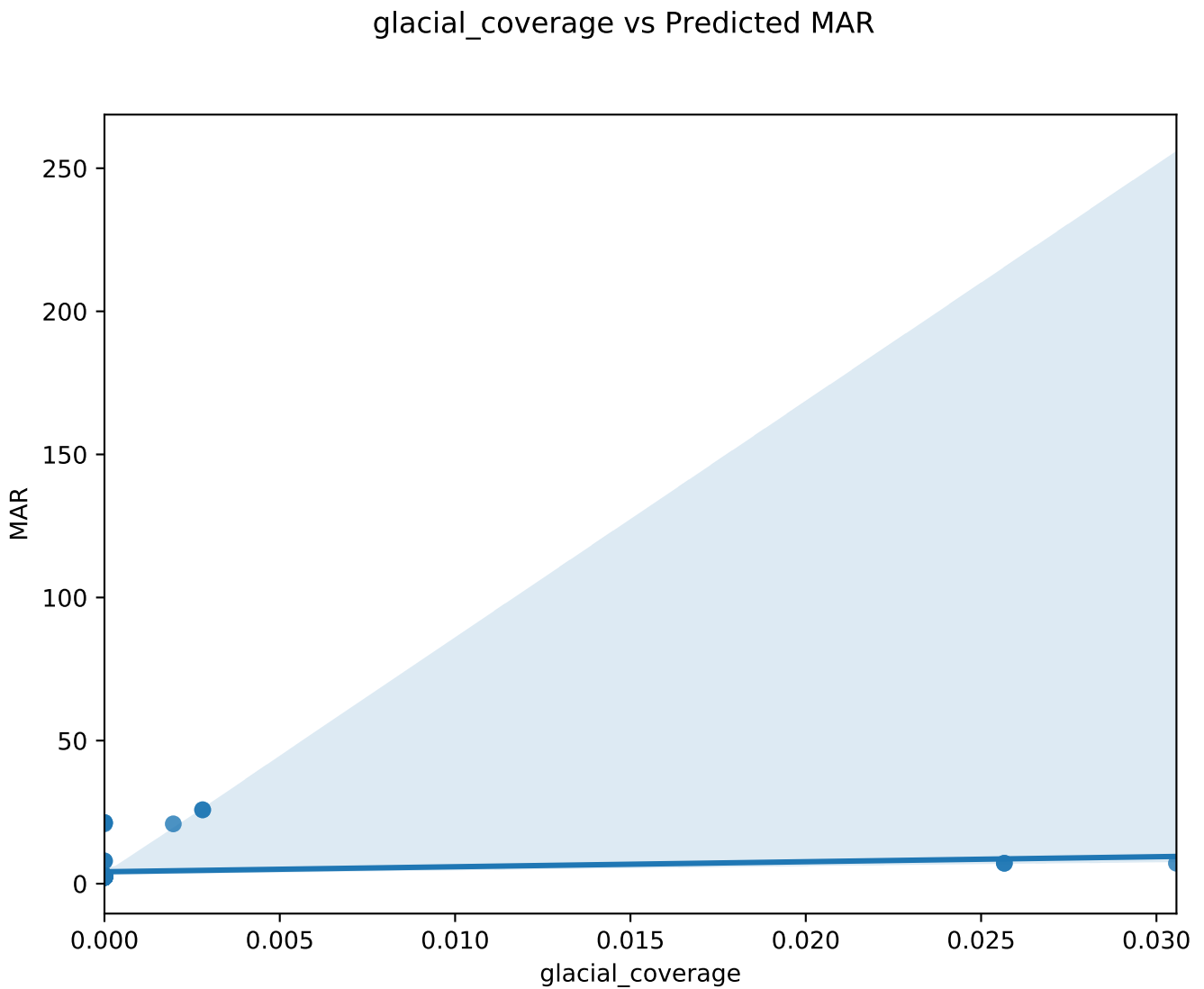
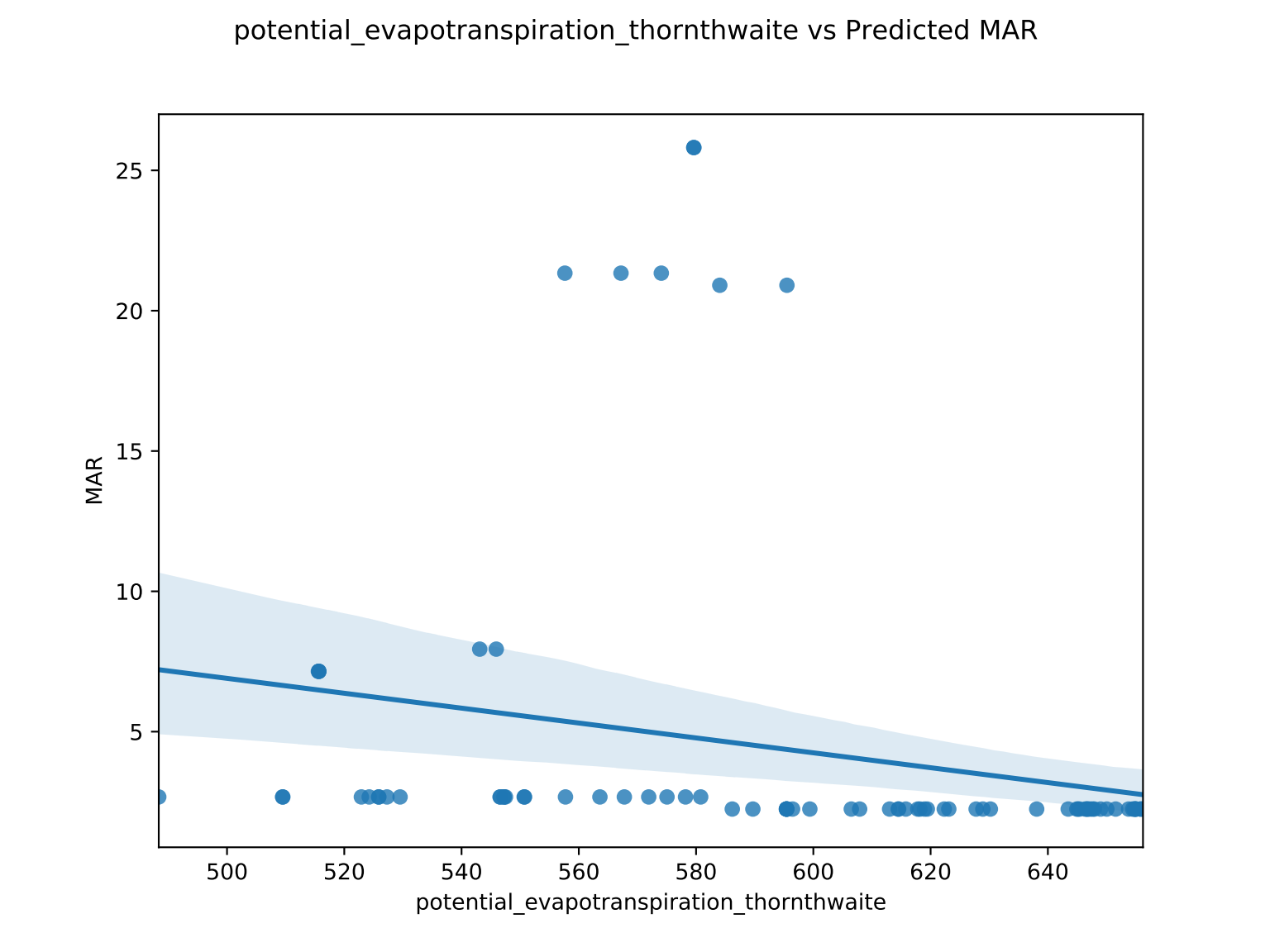
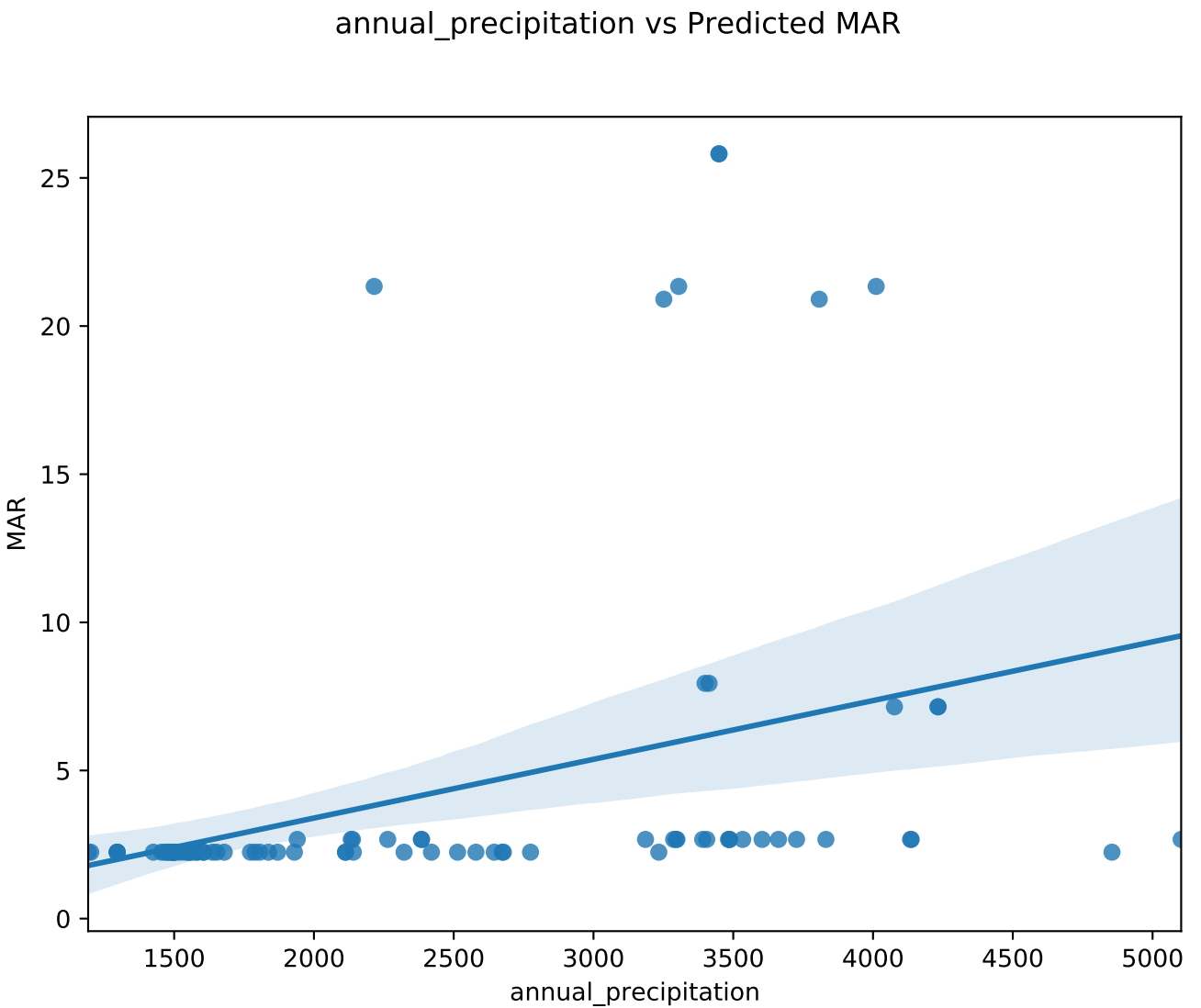

Predicted MAR vs Real MAR
Real MAR
Pred MAR
0
20
40
60
80
100
120
0
10
20
30
40
50
60

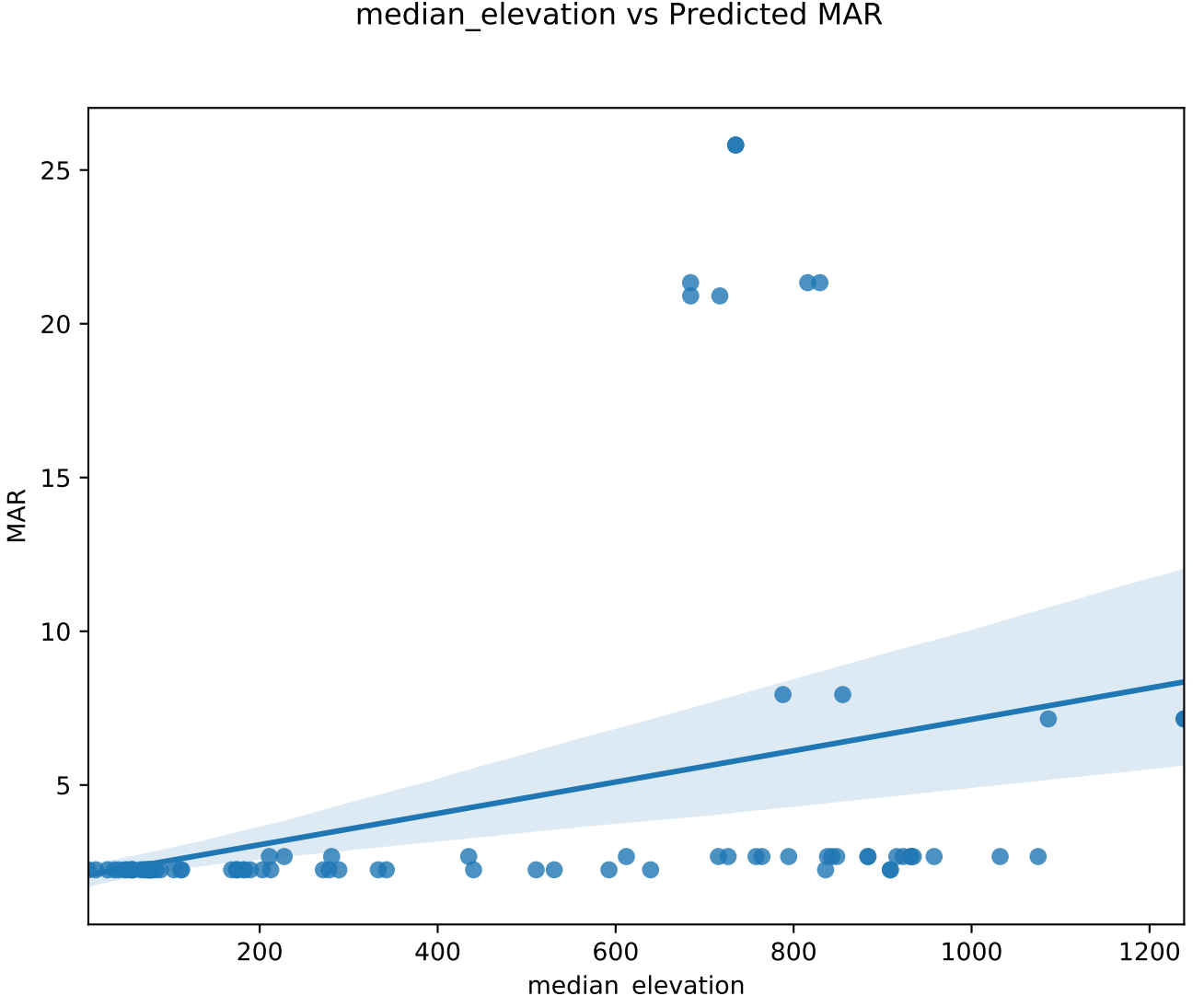

drainage_area vs Predicted MAR
MAR
drainage_area
0
5
10
15
20
25
30
35
50
100
150
200
250
300
350
400

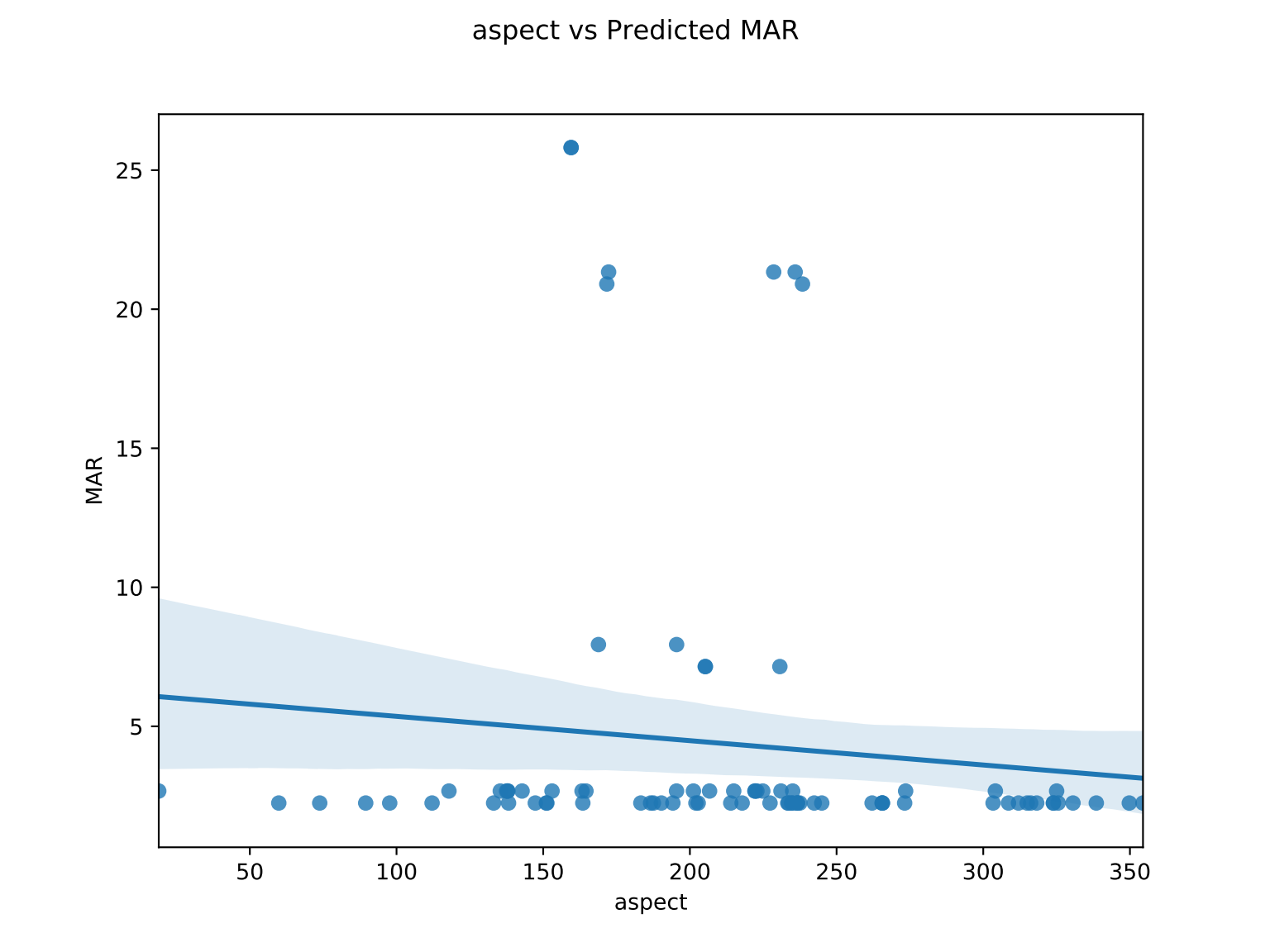

average_slope vs Predicted MAR
MAR
25
20
15
10
5
0
−5
10
20
30
40
50
60
70
average_slope

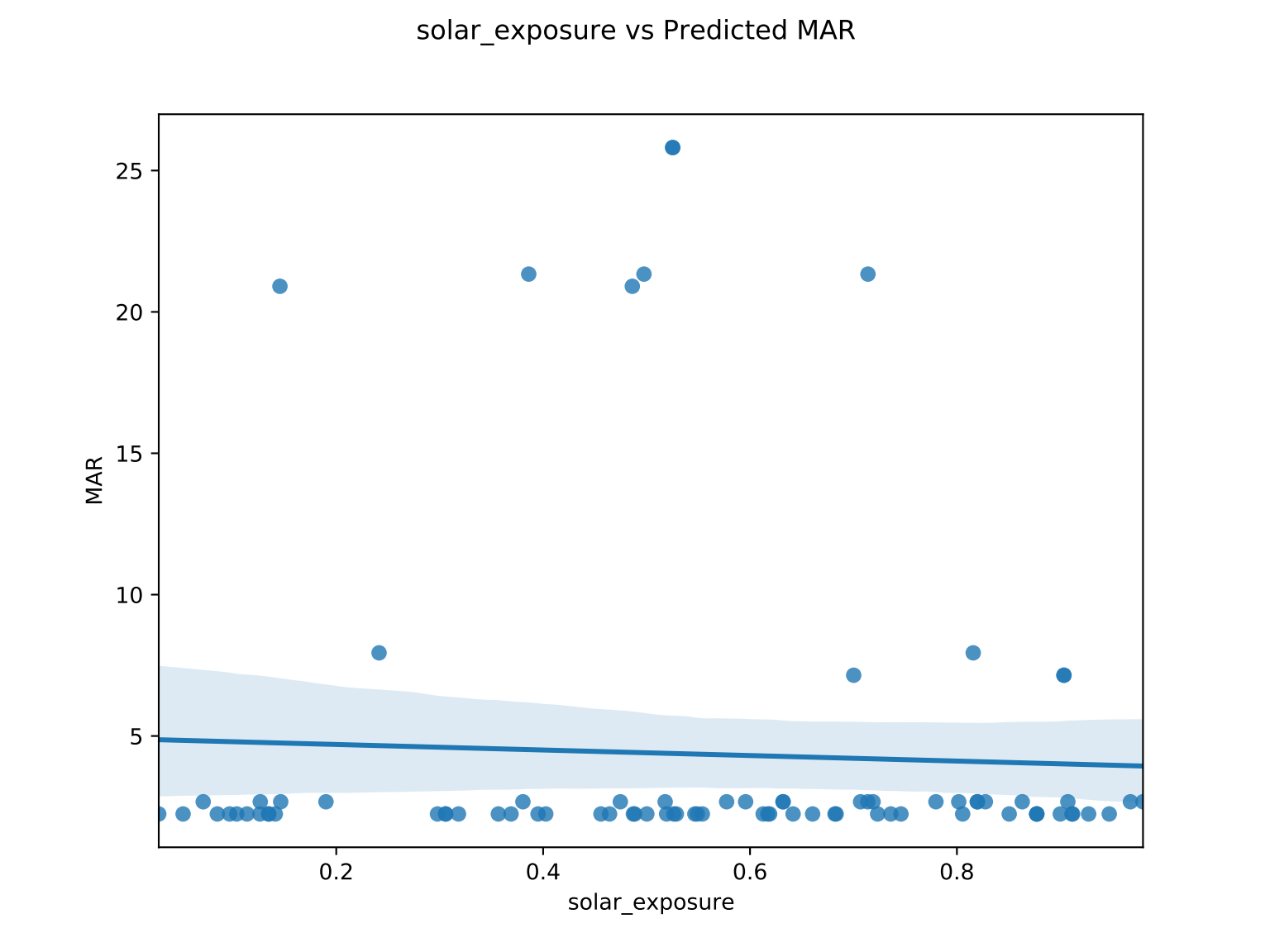

glacial_coverage vs Predicted MAR
MAR
250
200
150
100
50
0
0.000
0.005
0.010
0.015
0.020
0.025
0.030
glacial_coverage

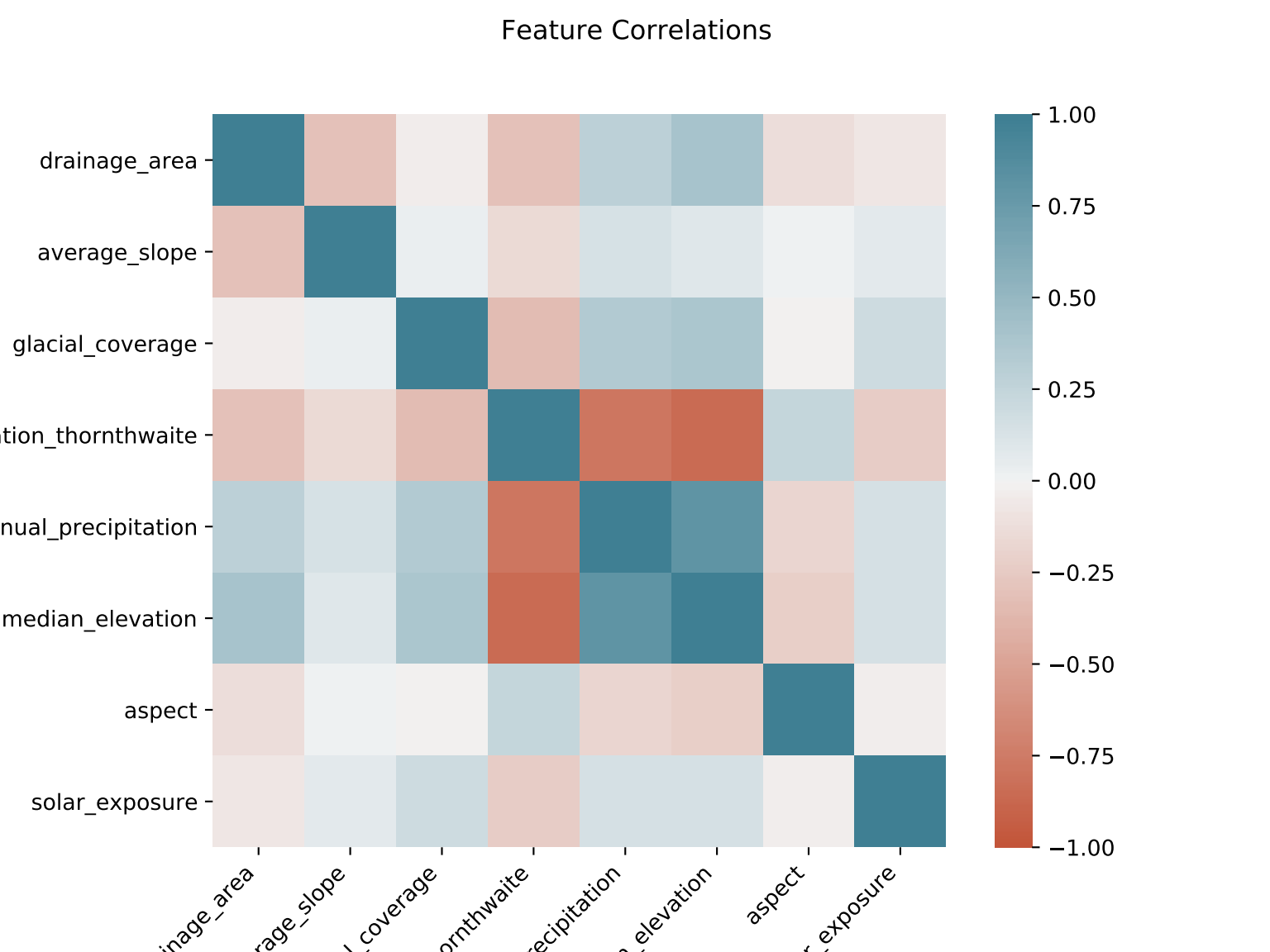

potential_evapotranspiration_thornthwaite vs Predicted MAR
MAR
25
20
15
10
5
500
520
540
560
580
600
620
640
potential_evapotranspiration_thornthwaite

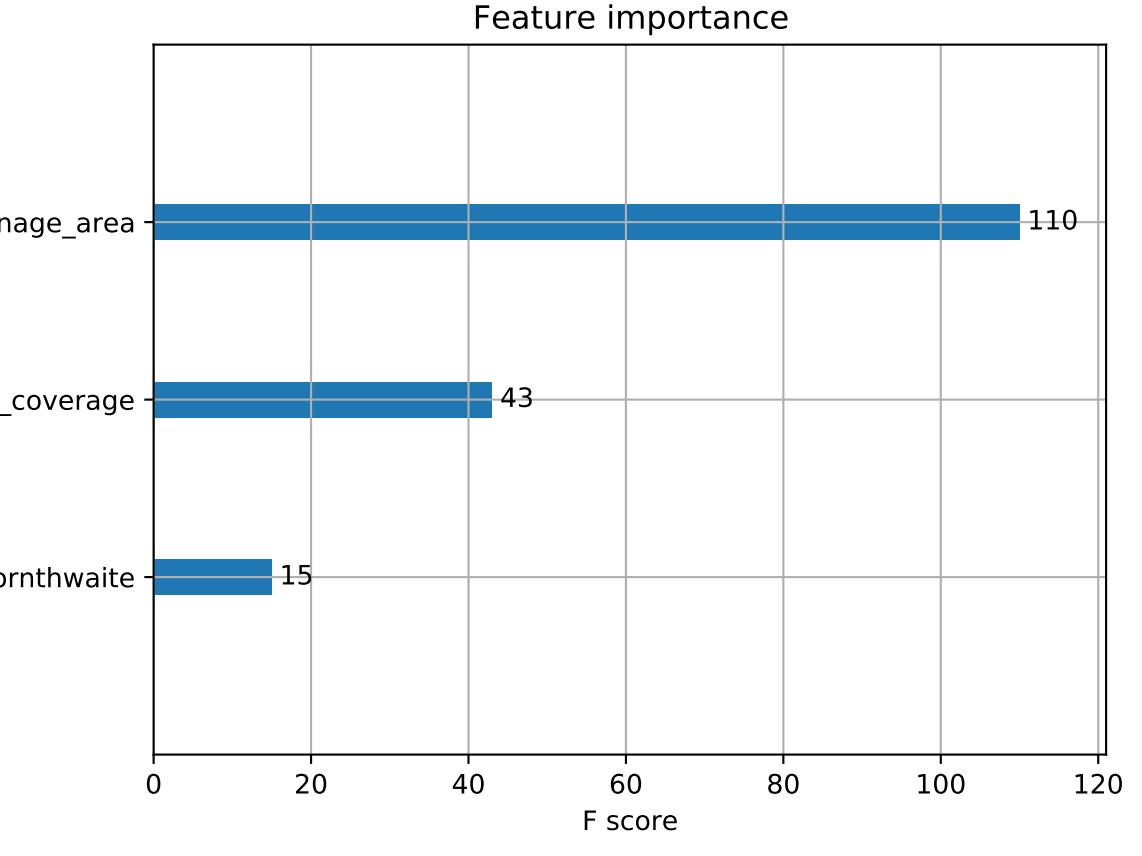
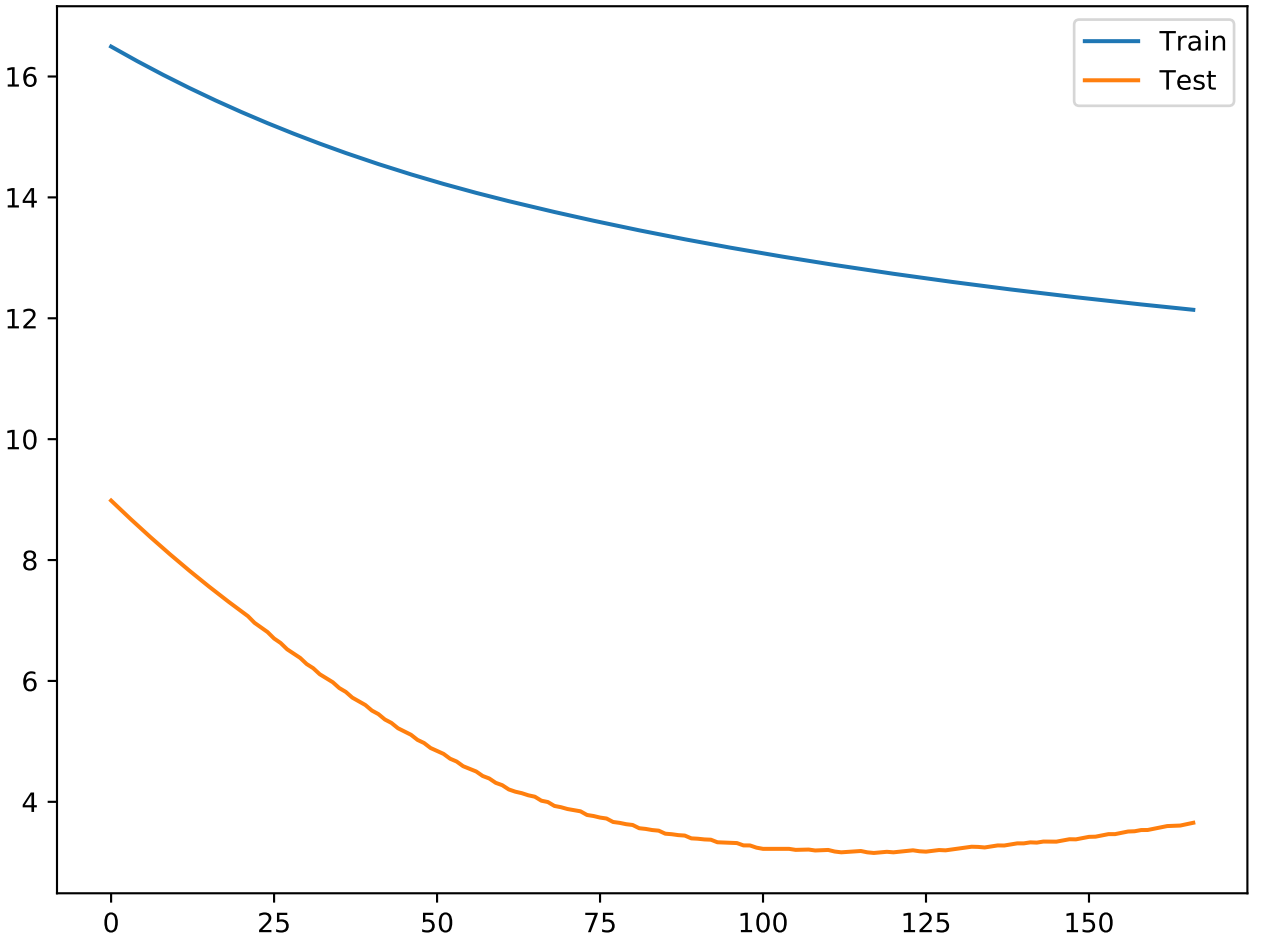

annual_precipitation vs Predicted MAR
MAR
annual_precipitation
0
5
10
15
20
25
1500
2000
2500
3000
3500
4000
4500
5000


median_elevation vs Predicted MAR
MAR
median_elevation
25
20
15
10
5
200
400
600
800
1000
1200


aspect vs Predicted MAR
MAR
25
20
15
10
5
50
100
150
200
250
300
350
aspect


solar_exposure vs Predicted MAR
MAR
25
20
15
10
5
0.2
0.4
0.6
0.8
solar_exposure


Feature Correlations
drainage_area
average_slope
glacial_coverage
tion_thornthwaite
nual_precipitation
median_elevation
aspect
solar_exposure
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00


Feature importance
nage_area
110
_coverage
43
ornthwaite
15
0
20
40
60
80
100
120
F score

RMSE: 11.583802384265065 R2: 0.3551212331955226