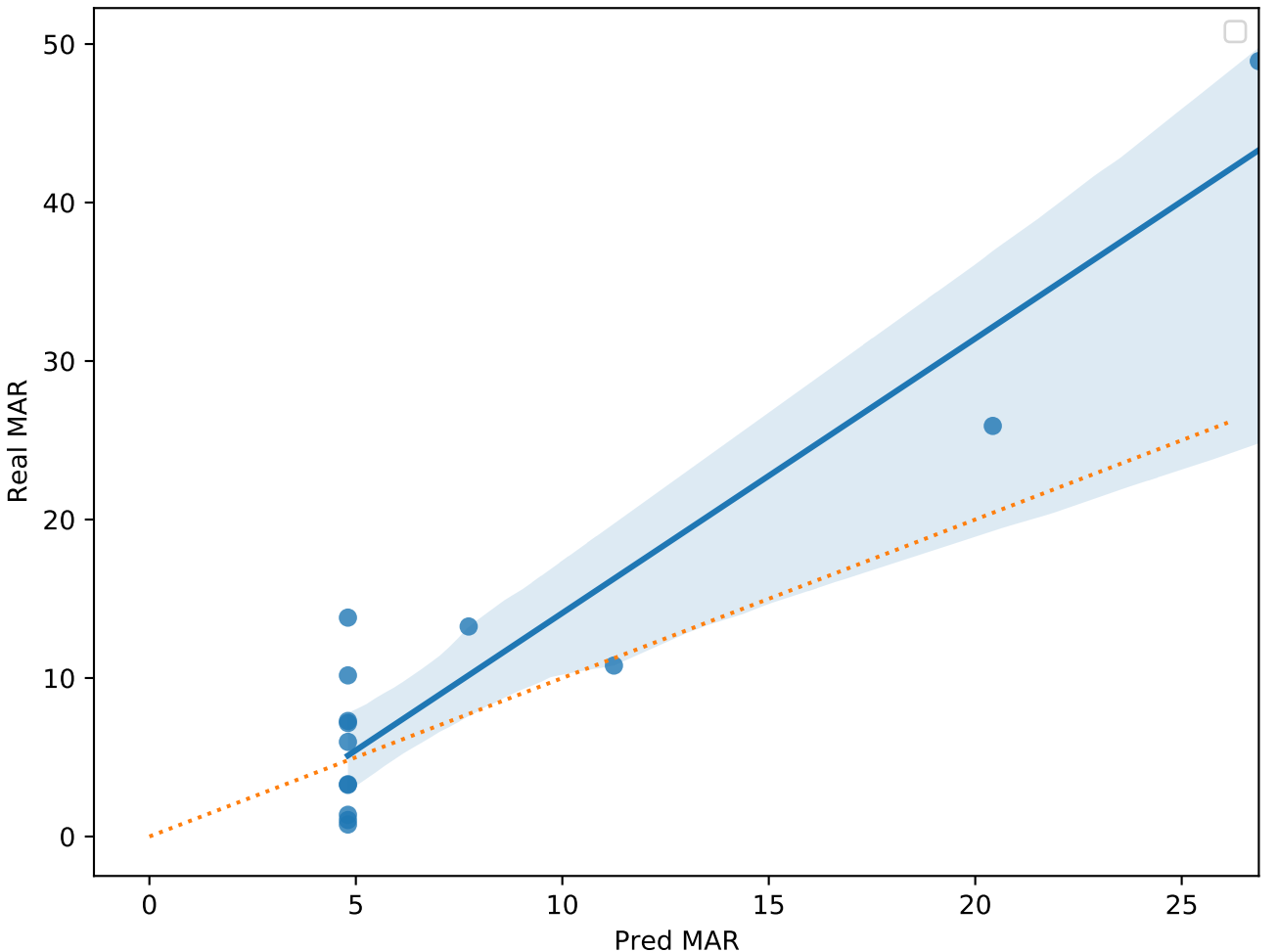
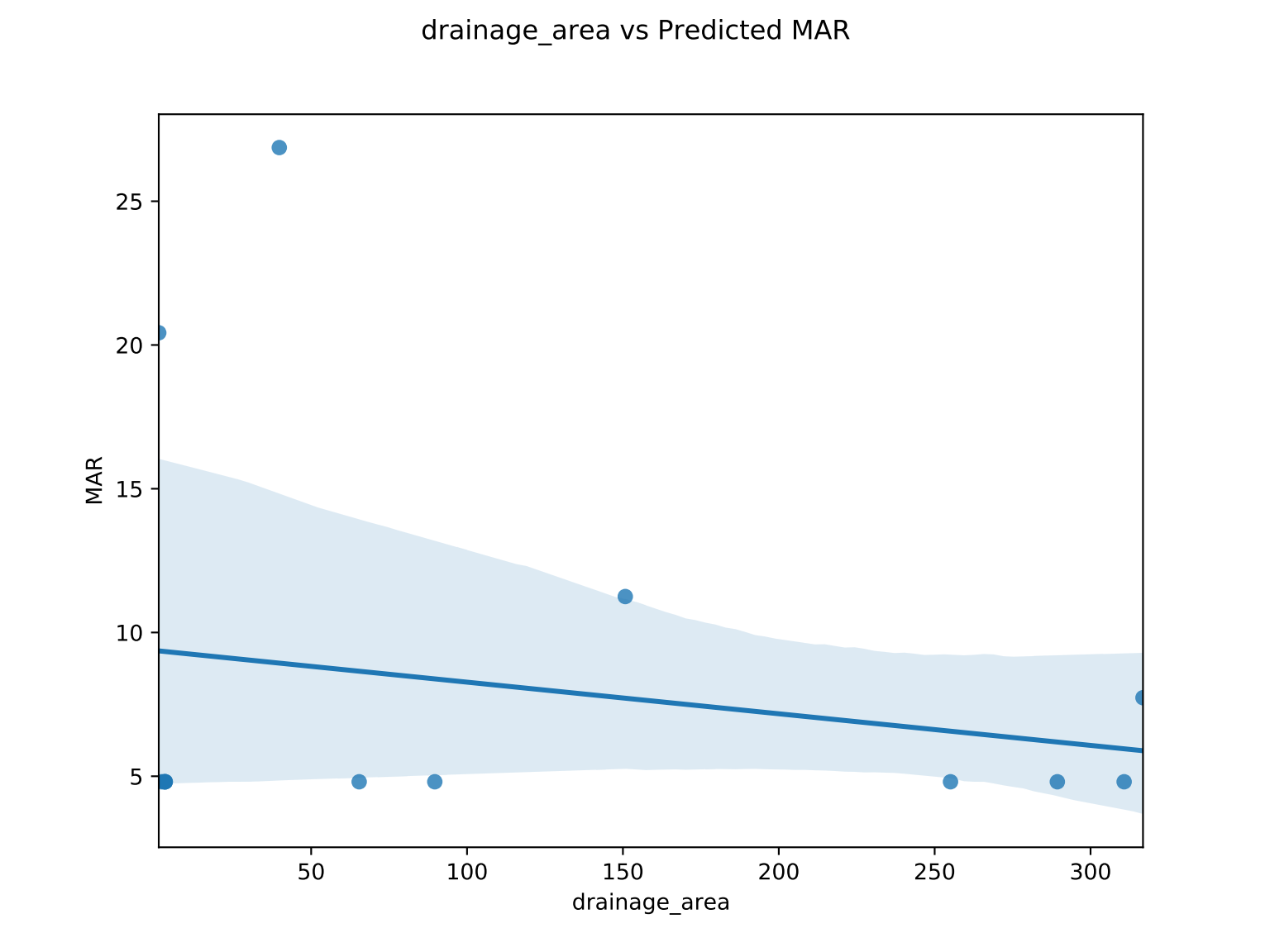
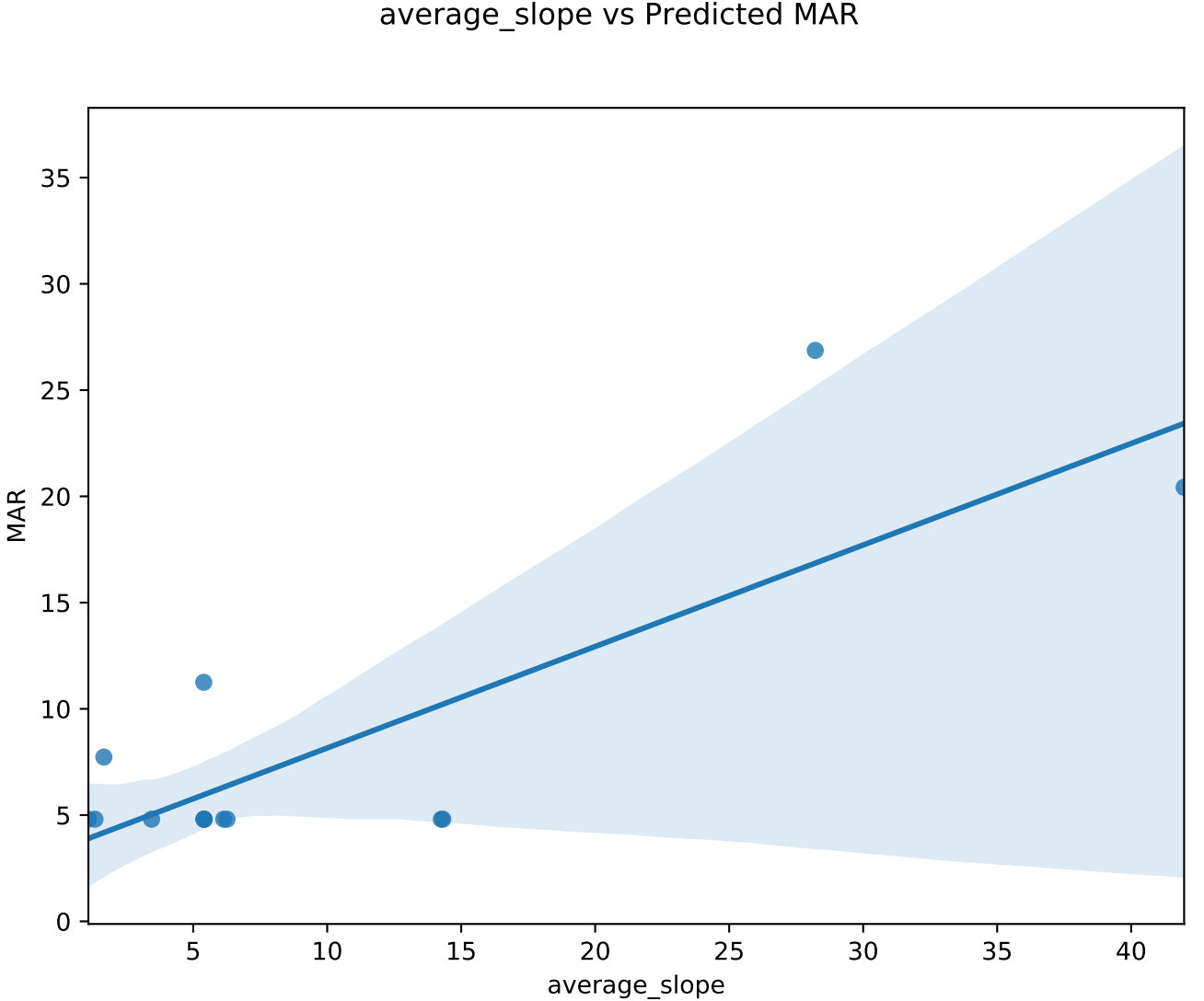
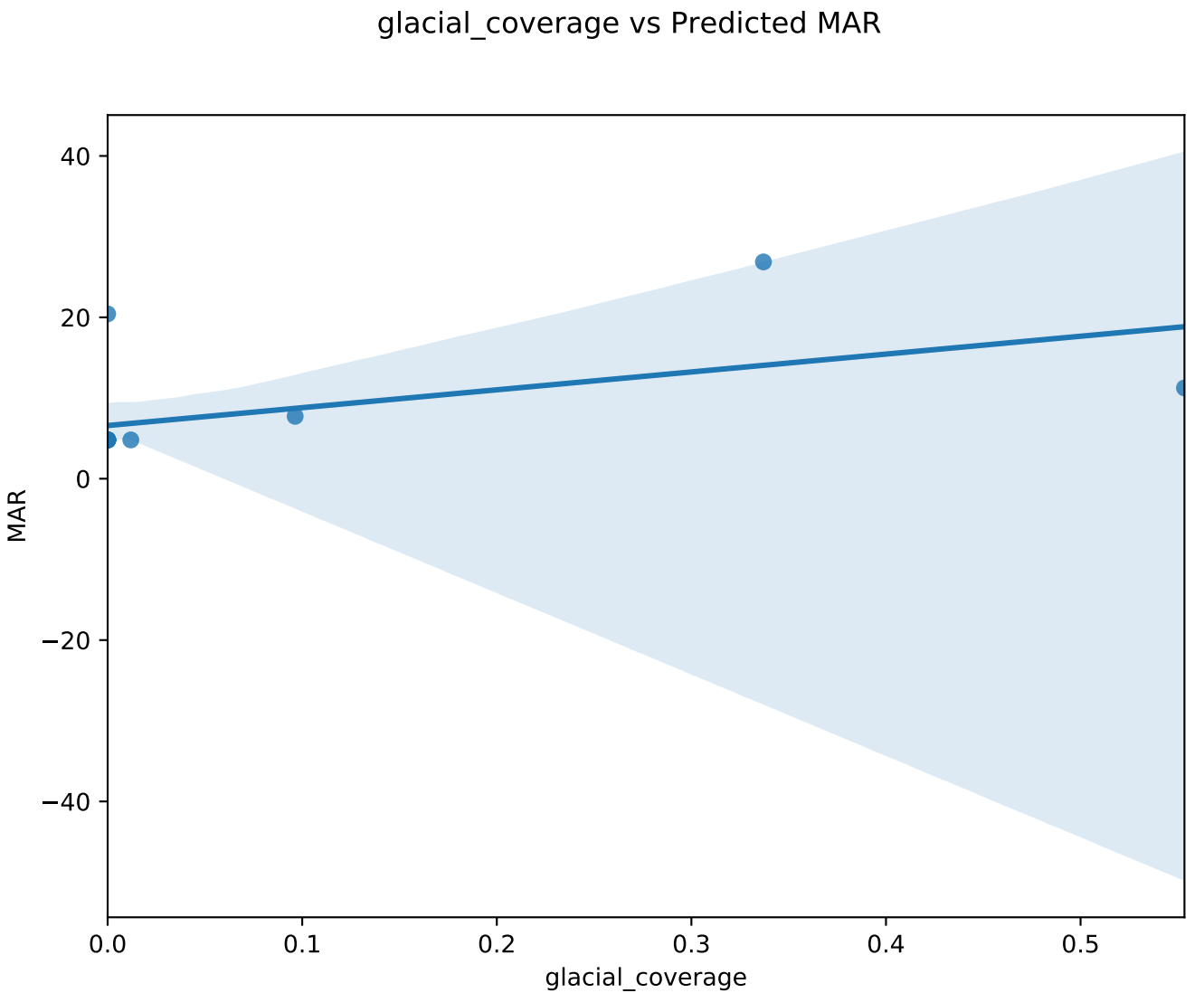
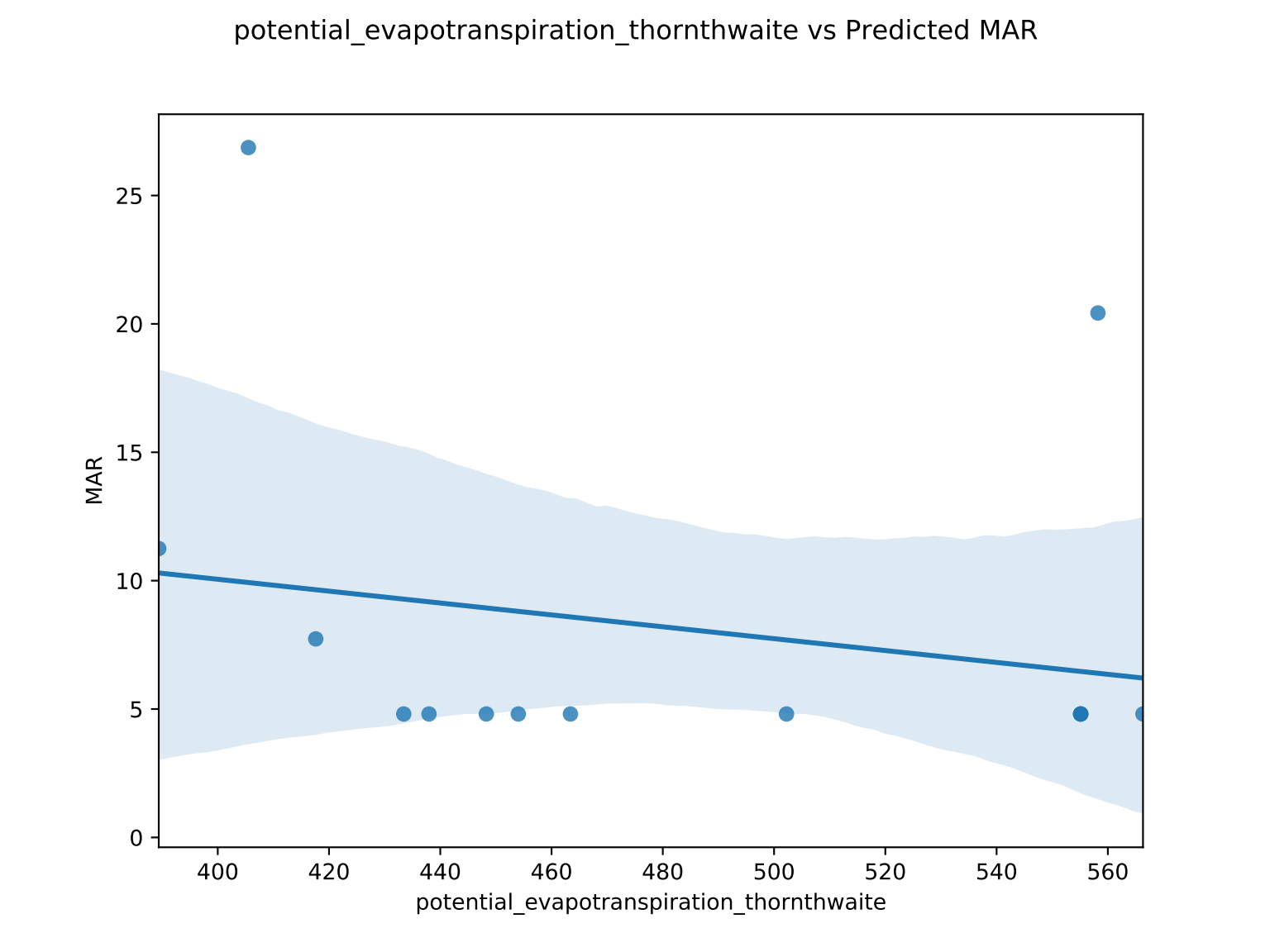
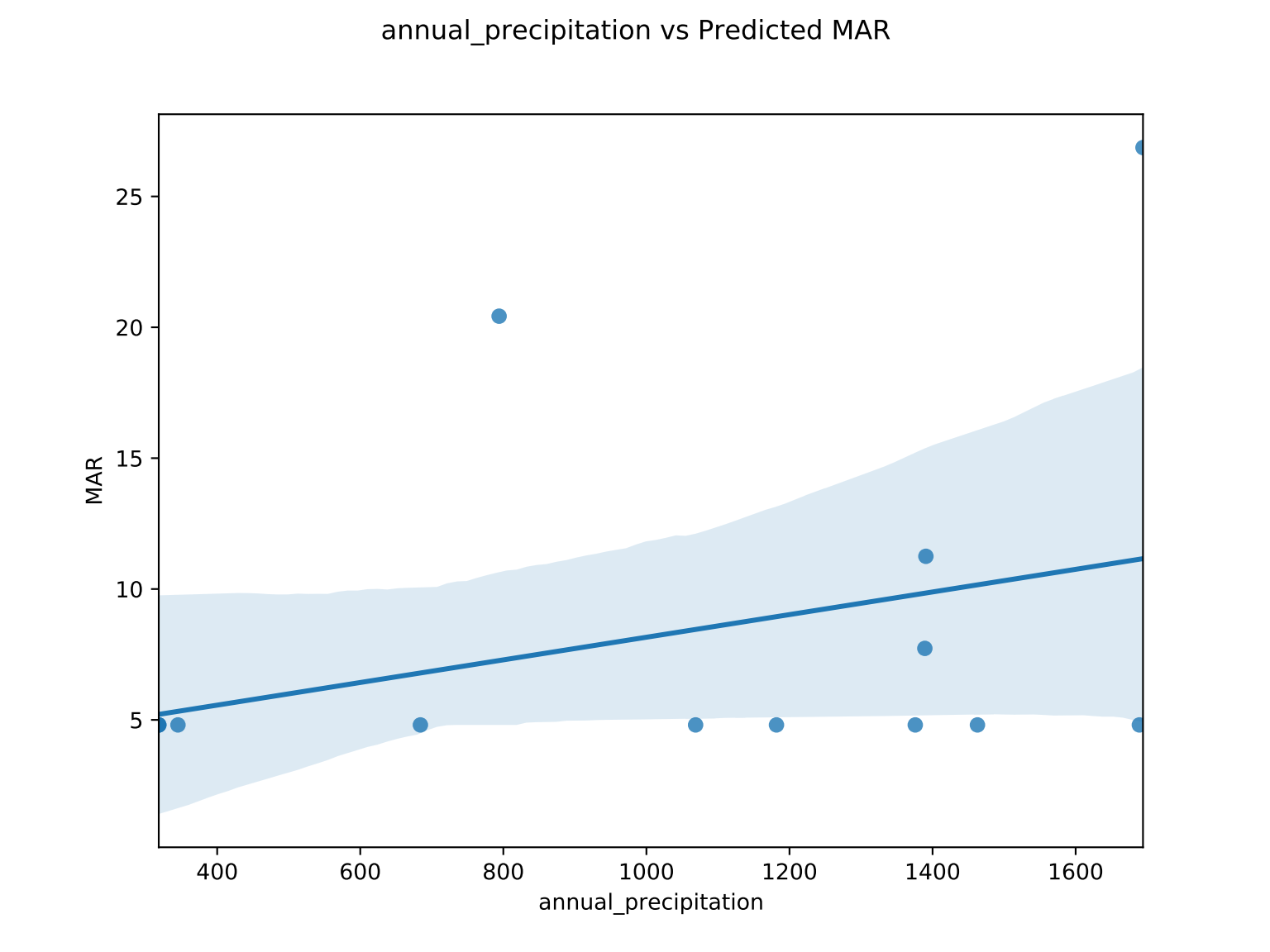

Predicted MAR vs Real MAR
Real MAR
Pred MAR
0
10
20
30
40
50
0
5
10
15
20
25

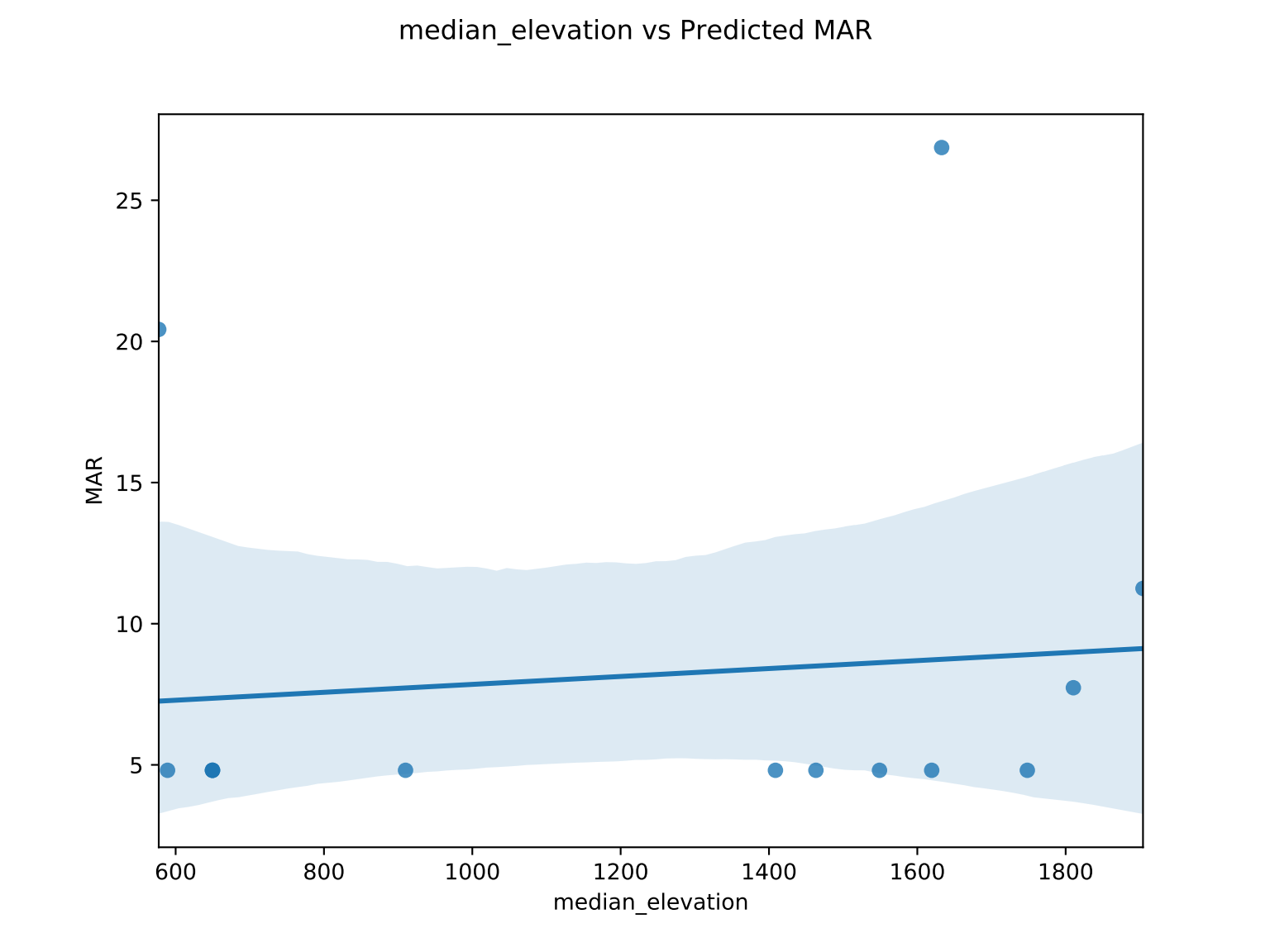

drainage_area vs Predicted MAR
MAR
25
20
15
10
5
50
100
150
200
250
300
drainage_area

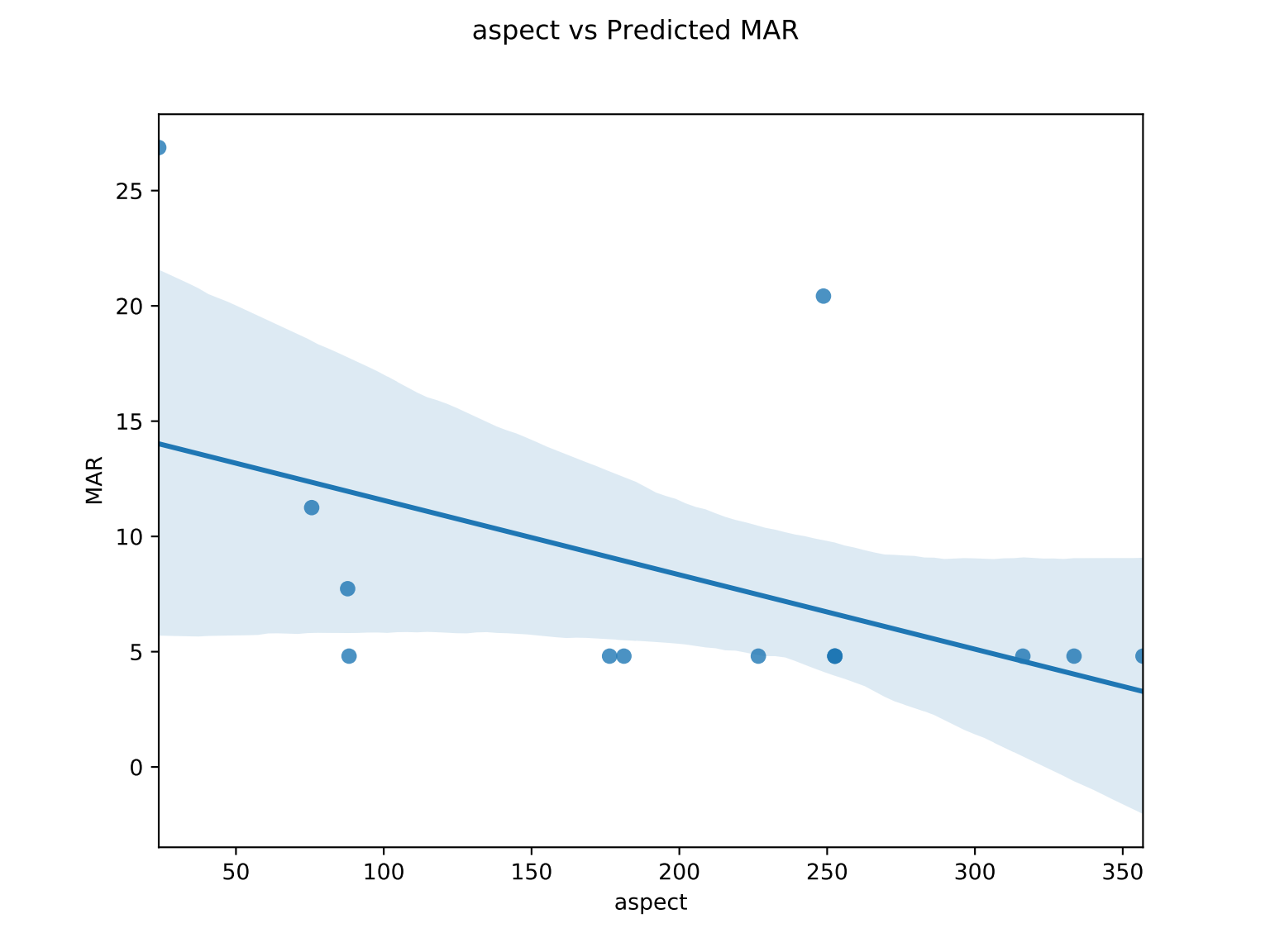

average_slope vs Predicted MAR
MAR
average_slope
0
5
10
15
20
25
30
35
40

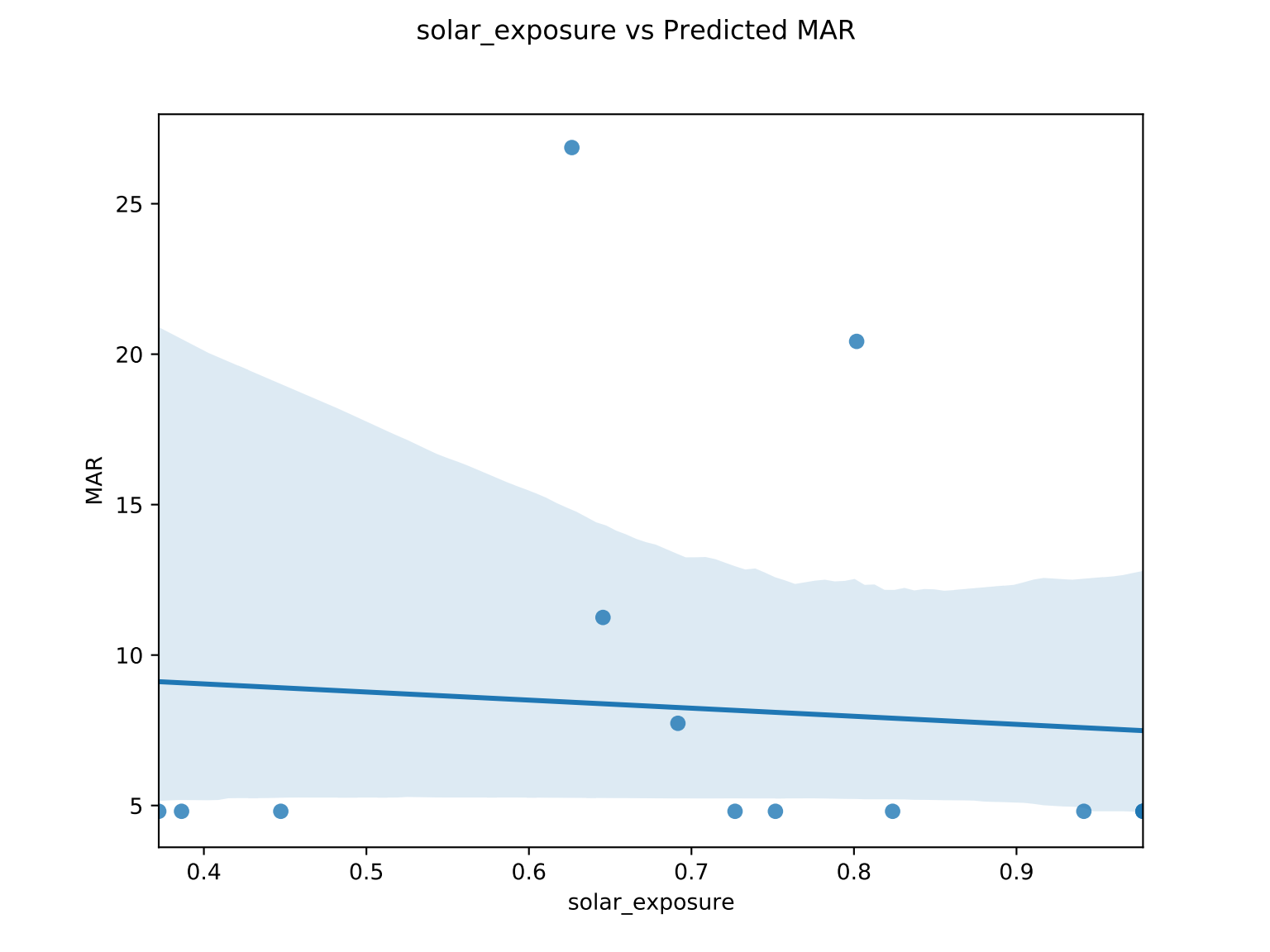

glacial_coverage vs Predicted MAR
MAR
glacial_coverage
40
20
0
−20
−40
0.0
0.1
0.2
0.3
0.4
0.5

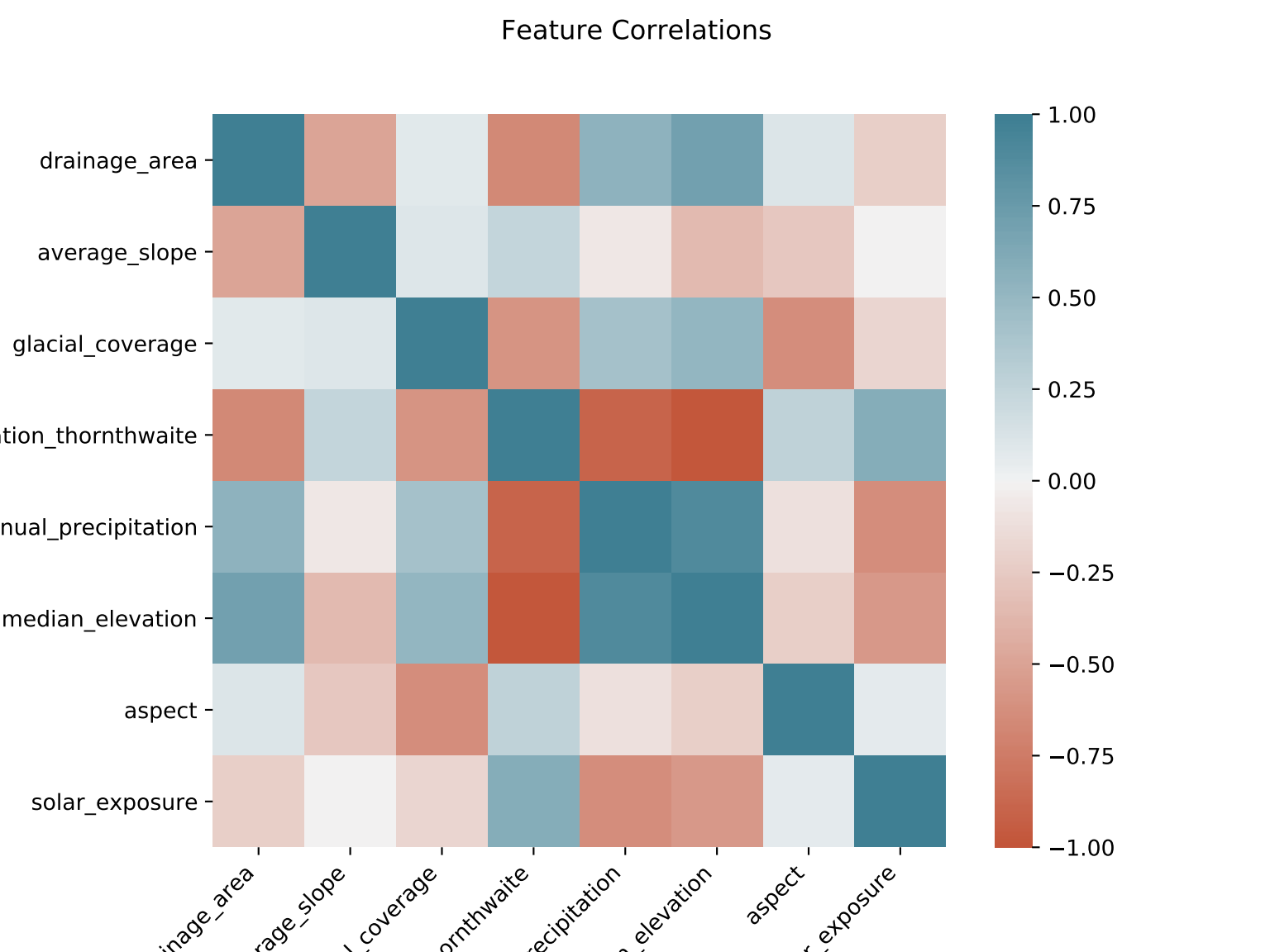

potential_evapotranspiration_thornthwaite vs Predicted MAR
MAR
0
5
10
15
20
25
400
420
440
460
480
500
520
540
560
potential_evapotranspiration_thornthwaite

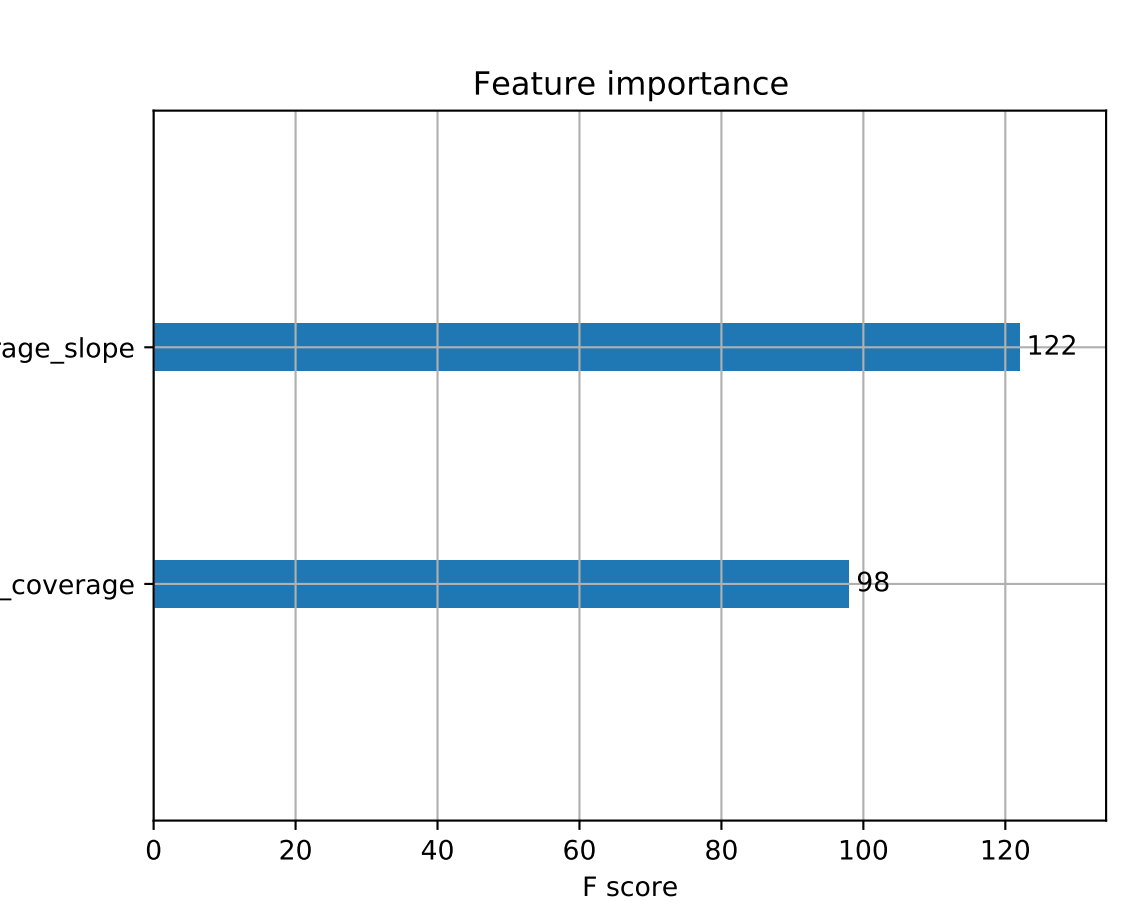
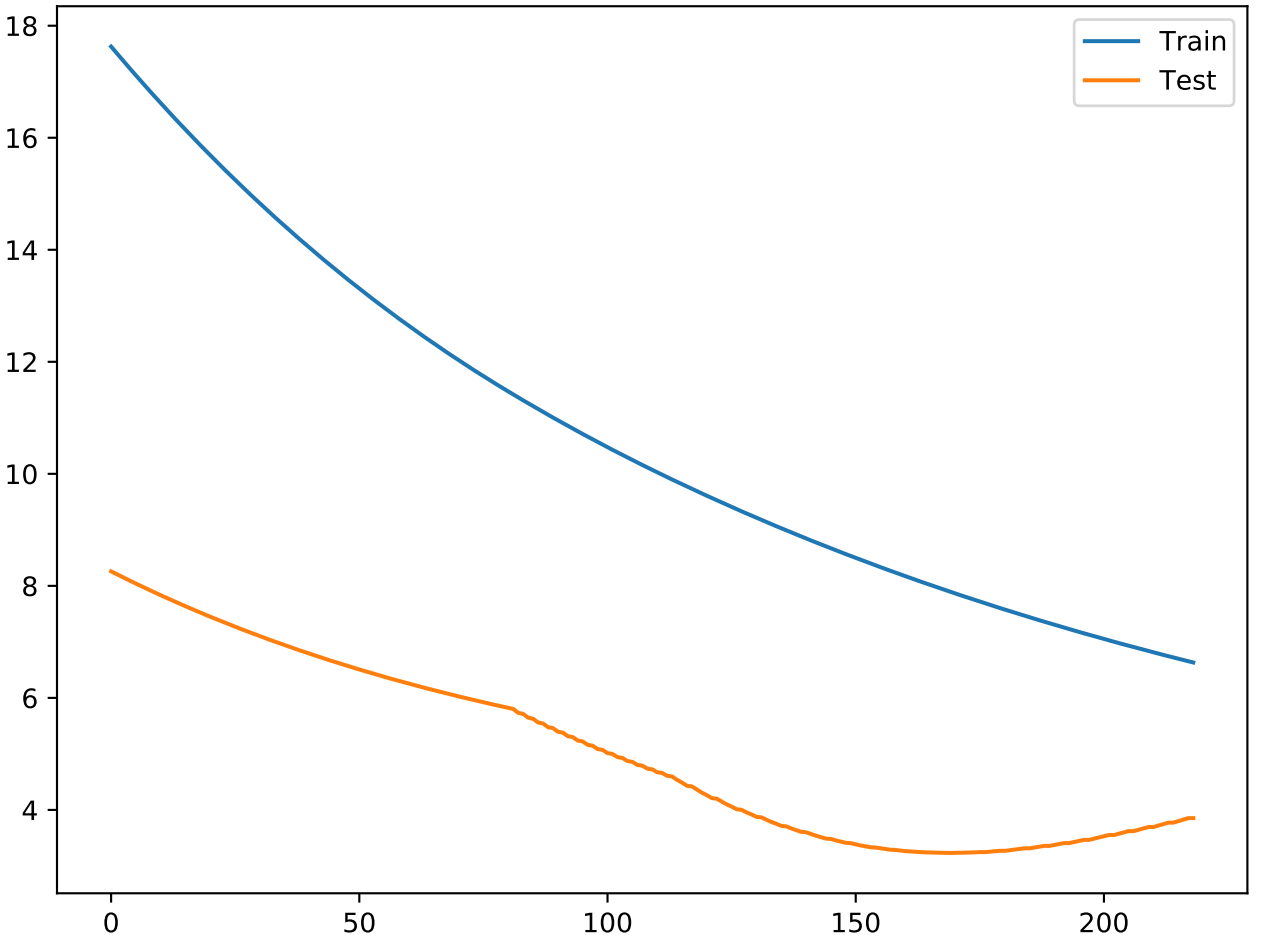

annual_precipitation vs Predicted MAR
MAR
25
20
15
10
5
400
600
800
1000
1200
1400
1600
annual_precipitation


median_elevation vs Predicted MAR
MAR
25
20
15
10
5
600
800
1000
1200
1400
1600
1800
median_elevation


aspect vs Predicted MAR
MAR
aspect
25
20
15
10
5
0
50
100
150
200
250
300
350


solar_exposure vs Predicted MAR
MAR
25
20
15
10
5
0.4
0.5
0.6
0.7
0.8
0.9
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
rage_slope
_coverage
122
98
0
20
40
60
80
100
120
F score

RMSE: 7.156798249061827 R2: 0.6655239112798995