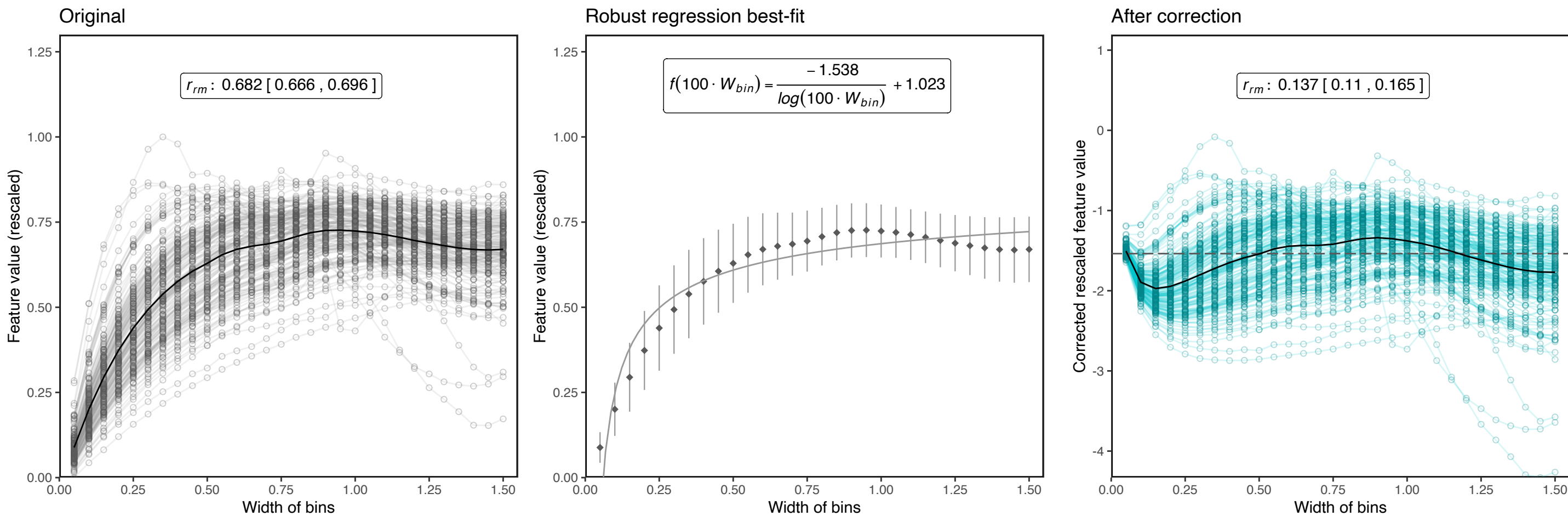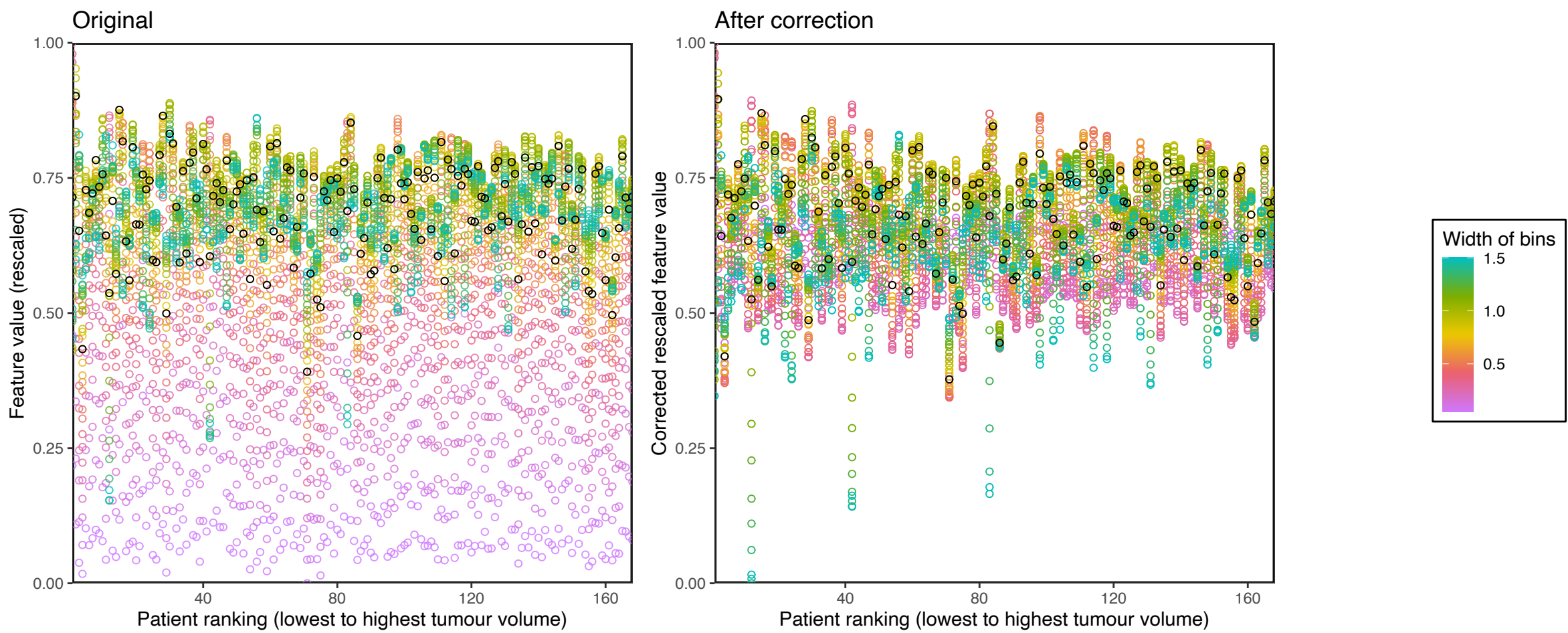# glcm InverseVariance

Robustness: Conditionally robust
Operational range: Present
Feature correctability: Moderately correctable

Regression modelling to correct features

Original

r_{rm} : 0.682 [0.666 , 0.696]

Robust regression best-fit

$$f(100 \cdot W_{bin}) = \frac{-1.538}{log(100 \cdot W_{bin})} + 1.023$$

After correction

r_{rm} : 0.137 [0.11 , 0.165]

Feature response to width of bins for each patient, before and after correction

Original

After correction

Width of bins
1.5
1.0
0.5

Feature value dispersions per patient, before and after correction

Wilcoxon test : $p \leq 0.001$

30.08

11.74

Features
Corrected
Original