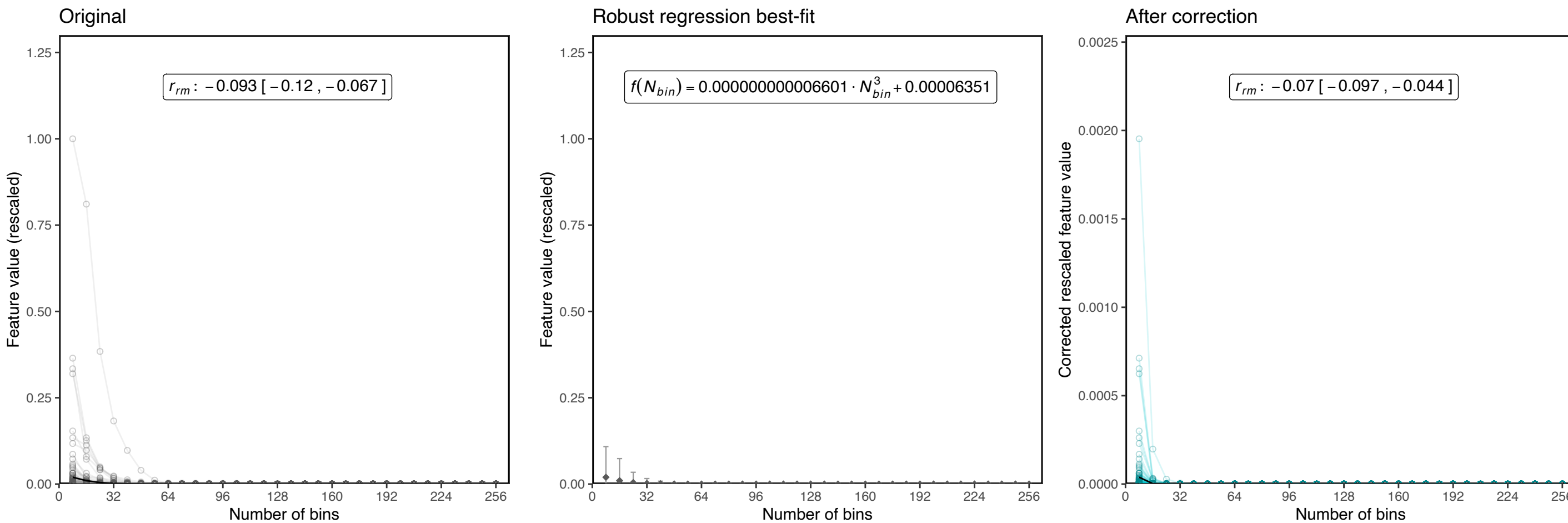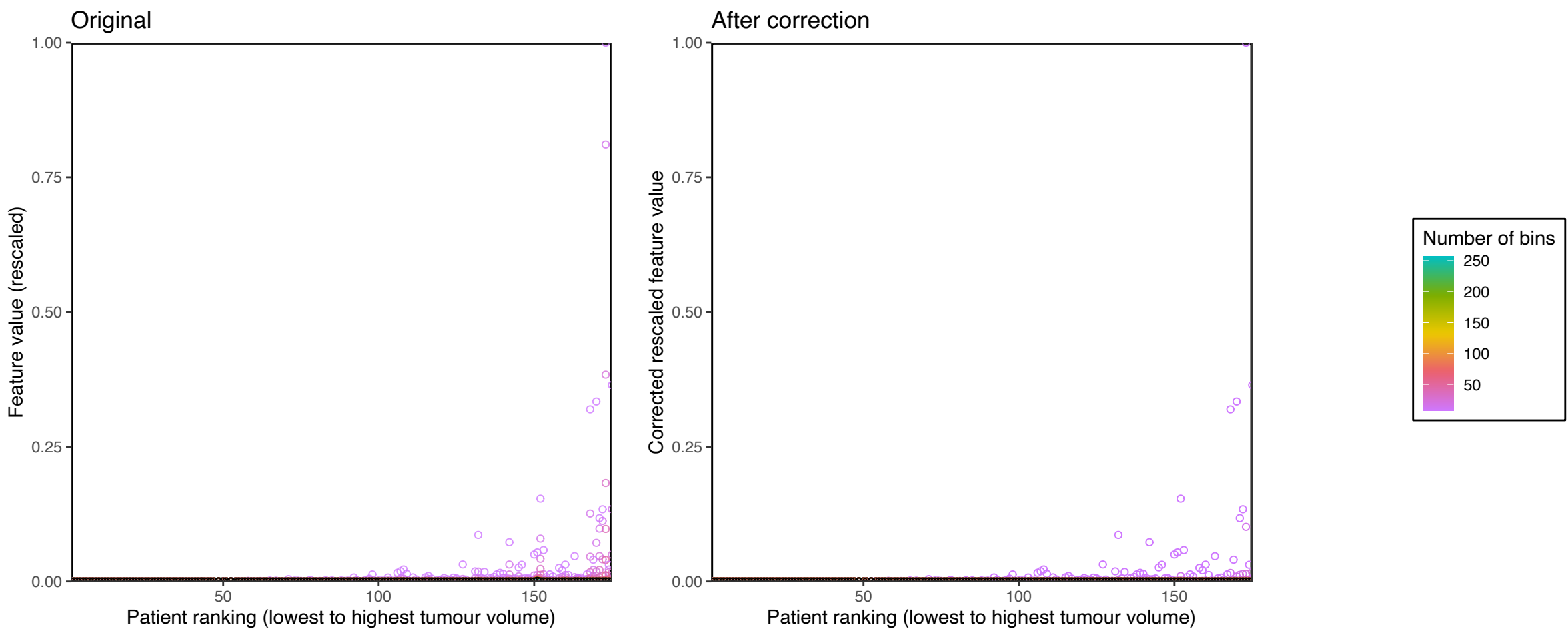# glszm LargeAreaHighGrayLevelEmphasis

Robustness: Conditionally robust
Operational range: Present
Feature correctability: Not correctable

Regression modelling to correct features

Original

$r_{rm}: -0.093 \, [-0.12 , -0.067]$

Feature value (rescaled)

Number of bins

Robust regression best-fit

$f(N_{bin}) = 0.000000000006601 \cdot N_{bin}^3 + 0.00006351$

Feature value (rescaled)

Number of bins

After correction

$r_{rm}: -0.07 \, [-0.097 , -0.044]$

Corrected rescaled feature value

Number of bins

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

Original

Feature value (rescaled)

Patient ranking (lowest to highest tumour volume)

After correction

Corrected rescaled feature value

Patient ranking (lowest to highest tumour volume)

Number of bins
250
200
150
100
50

Feature value dispersions per patient, before and after correction

Wilcoxon test : $p \leq 0.001$

Percentage coefficient of variation (%CV)

222.52

193.2

Features
Corrected
Original

Patient ranking (lowest to highest tumour volume)