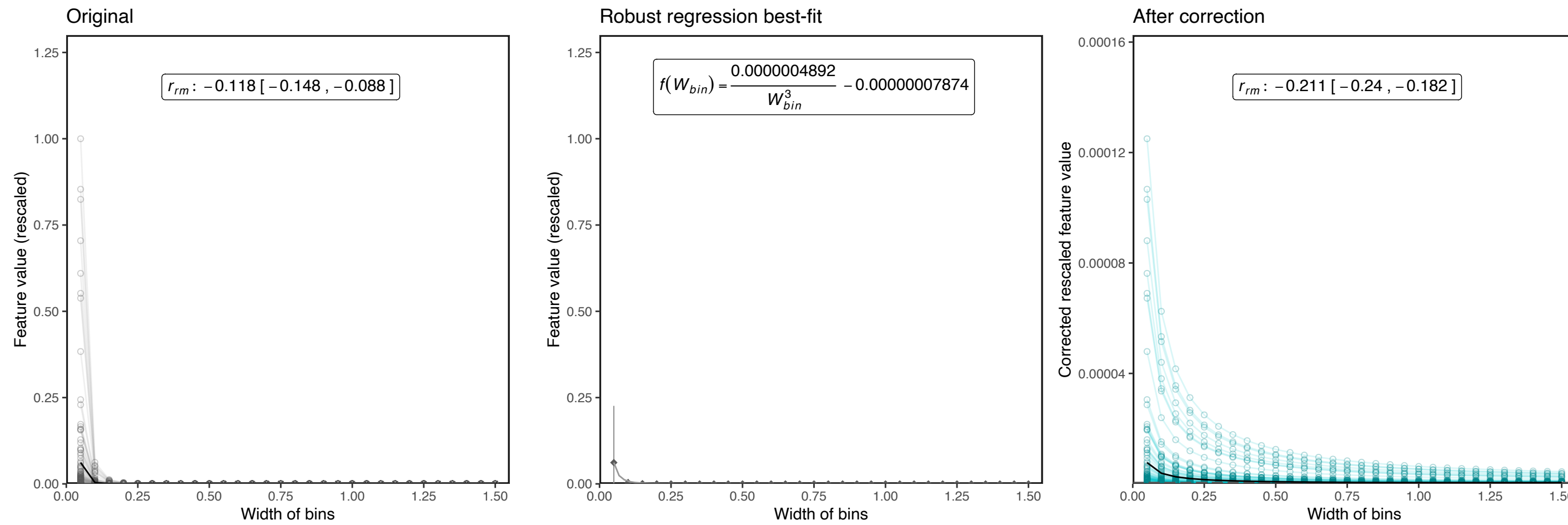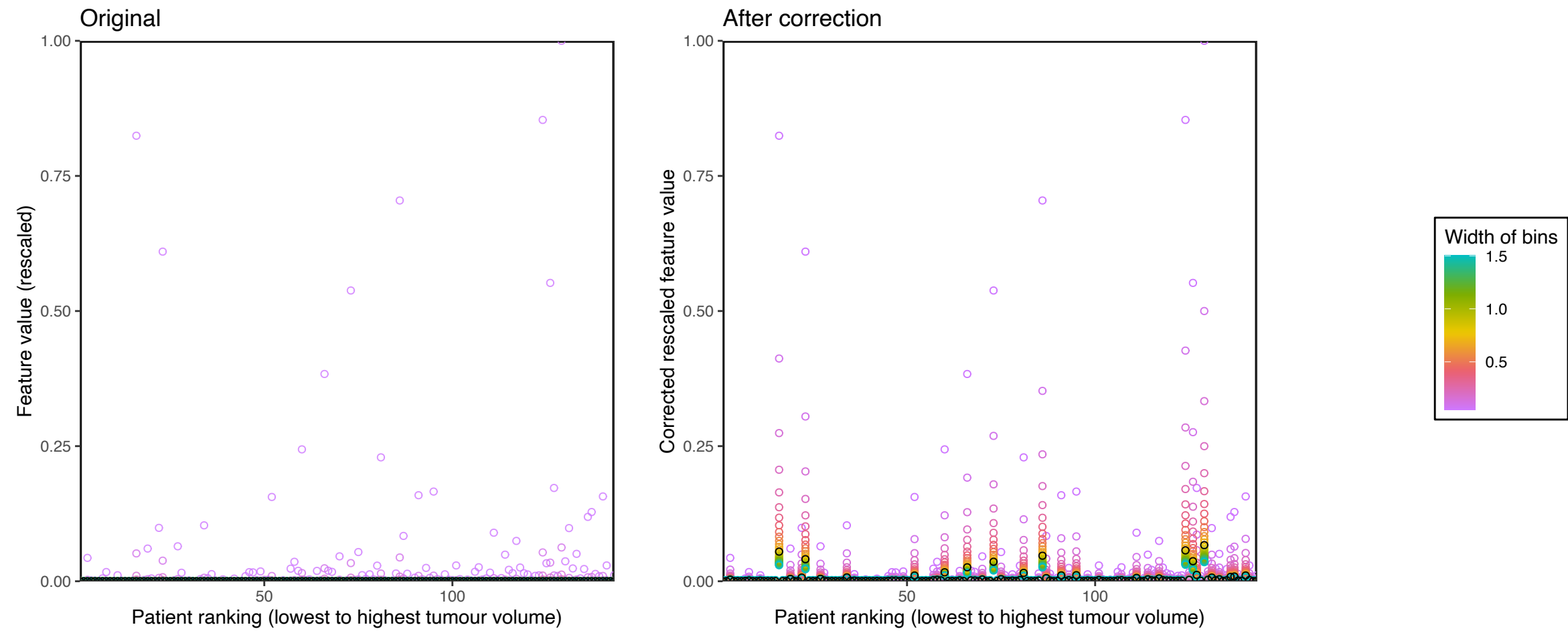# glcm ClusterProminence

Robustness: Not robust
Operational range: Absent
Feature correctability: Not correctable

Regression modelling to correct features

Original

$r_{rm}: -0.118 \, [\, -0.148 \, , \, -0.088 \,]$

Robust regression best-fit

$f(W_{bin}) = \dfrac{0.0000004892}{W_{bin}^3} - 0.00000007874$

After correction

$r_{rm}: -0.211 \, [\, -0.24 \, , \, -0.182 \,]$

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

Original

After correction

Width of bins

Feature value dispersions per patient, before and after correction

Wilcoxon test : $p \leq 0.001$

505.65

101.62

Features
○ Corrected
○ Original