glcm Contrast
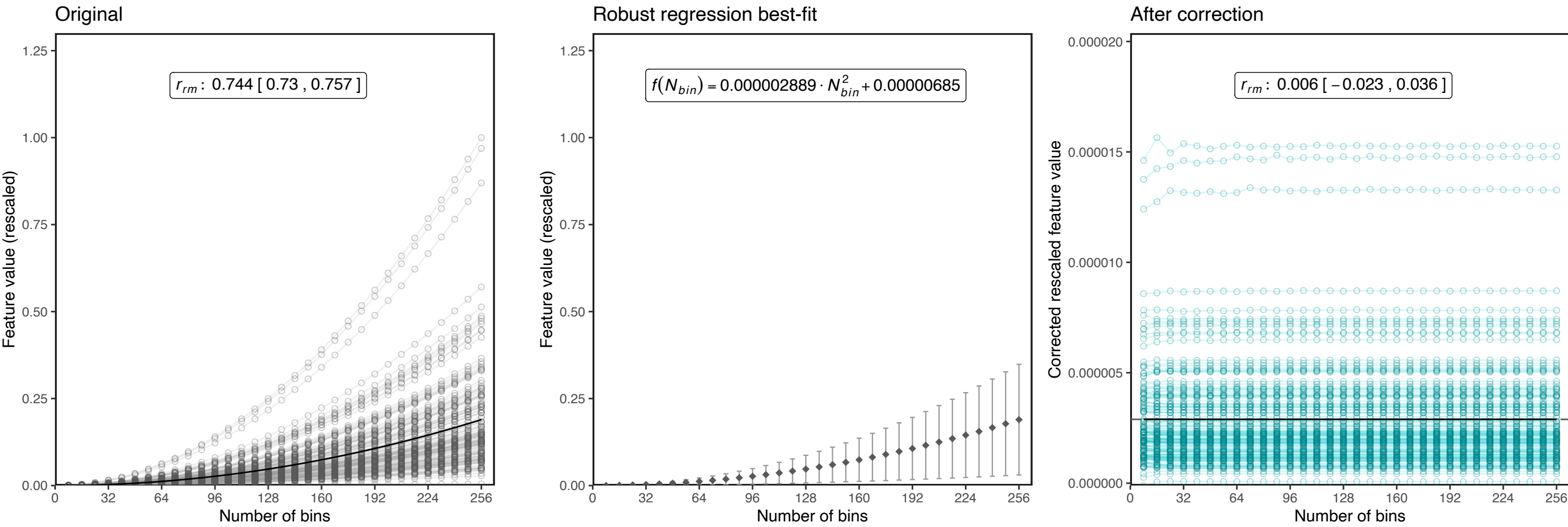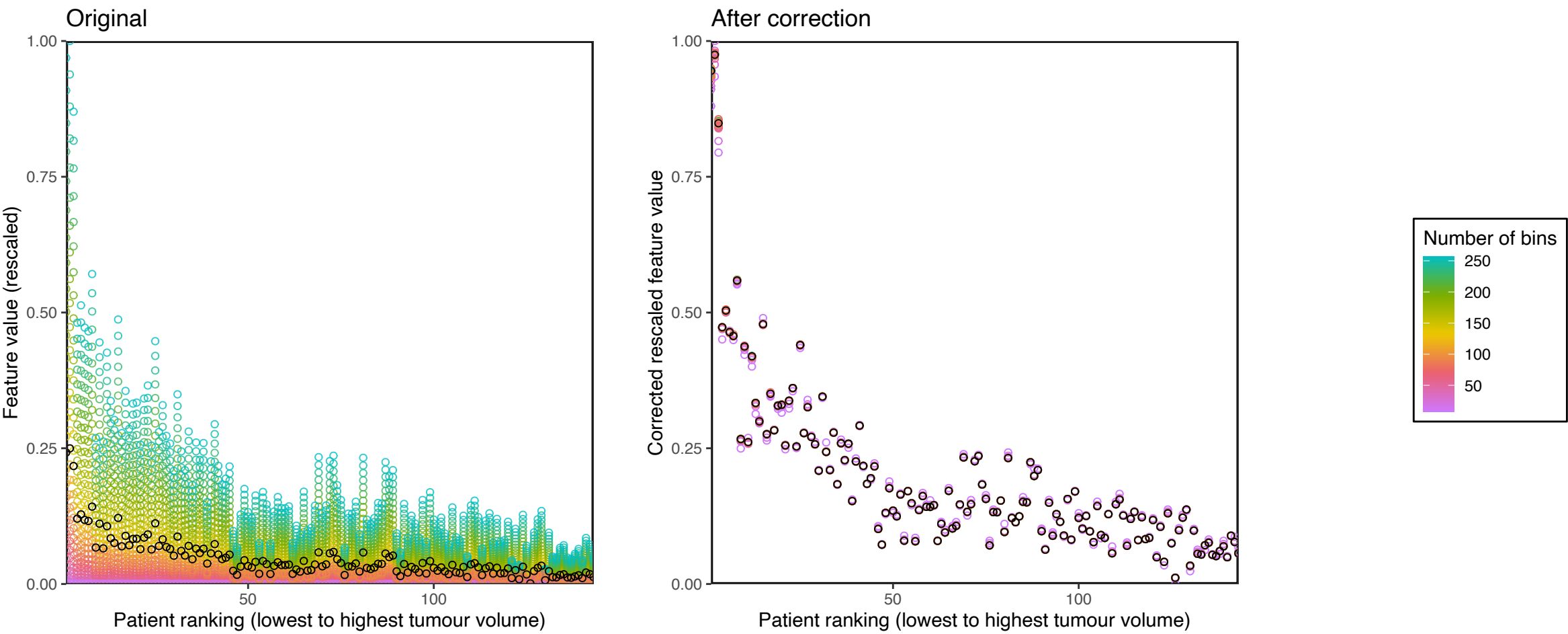
Robustness: Not robust
Operational range: Absent
Feature correctability: Correctable

Regression modelling to correct features

Original

$r_{rm}: 0.744 [0.73 , 0.757]$

Robust regression best-fit

$f(N_{bin}) = 0.000002889 \cdot N_{bin}^2 + 0.00000685$

After correction

$r_{rm}: 0.006 [-0.023 , 0.036]$

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

Original

After correction

Number of bins

- 250
- 200
- 150
- 100
- 50

Feature value dispersions per patient, before and after correction

Wilcoxon test : $p \leq 0.001$

89.23

0.9

Features
- Corrected
- Original