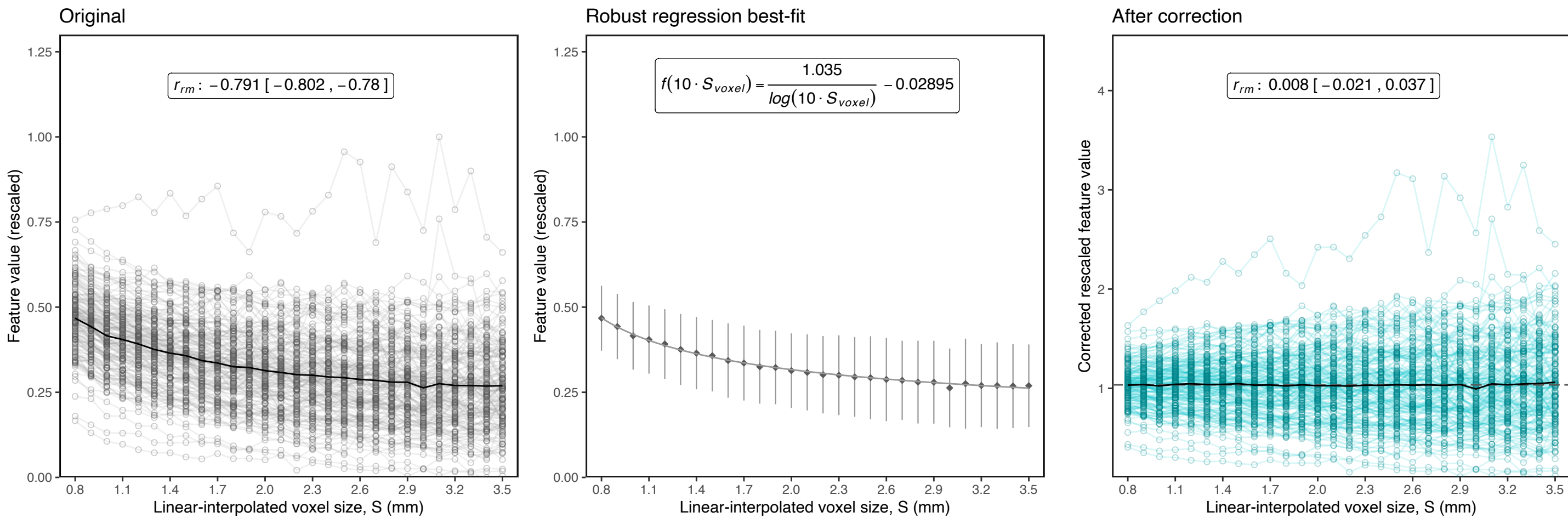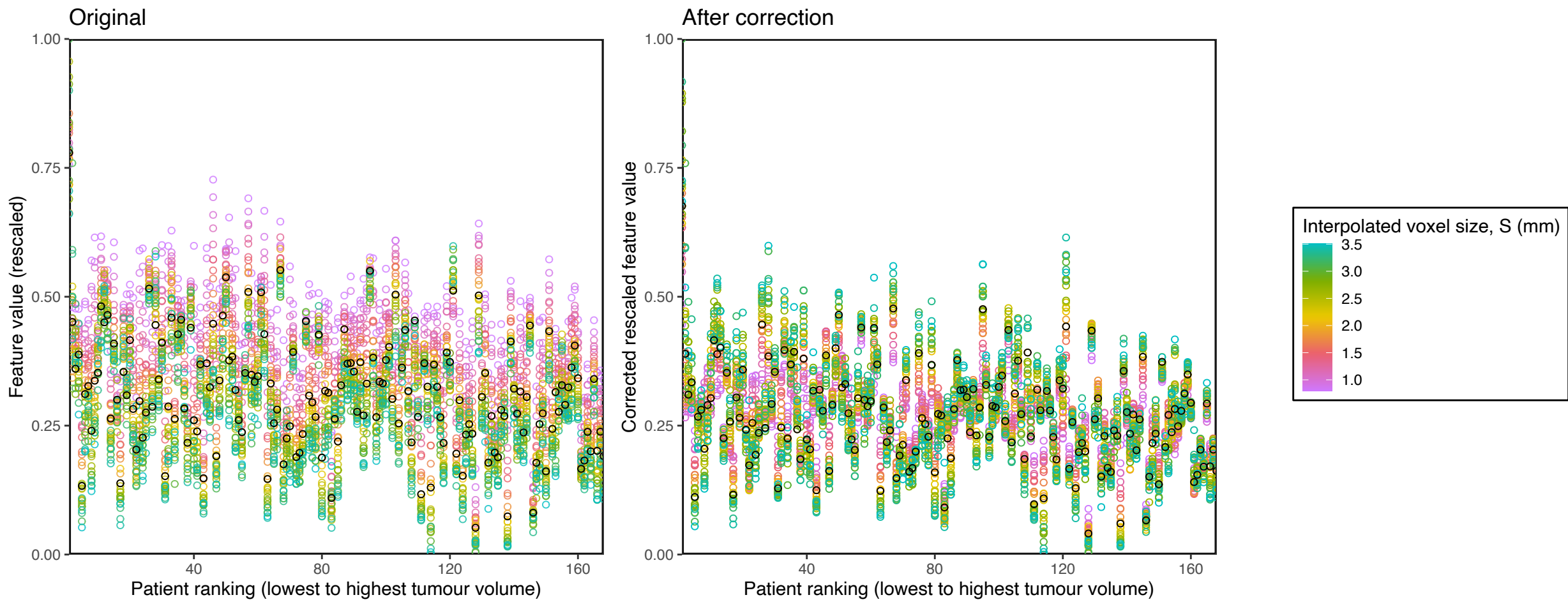# glszm HighGrayLevelZoneEmphasis

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

**Regression modelling to correct features**



Original

$r_{rm}: -0.791 [-0.802, -0.78]$

Robust regression best-fit

$$f(10 \cdot S_{voxel}) = \frac{1.035}{log(10 \cdot S_{voxel})} - 0.02895$$

After correction

$r_{rm}: 0.008 [-0.021, 0.037]$

**Feature response to Linear interpolation resampling width for each patient, before and after correction**



Original

After correction

Interpolated voxel size, S (mm)

**Feature value dispersions per patient, before and after correction**



Wilcoxon test : $p \leq 0.001$

22.85

13.37

Features
Corrected
Original