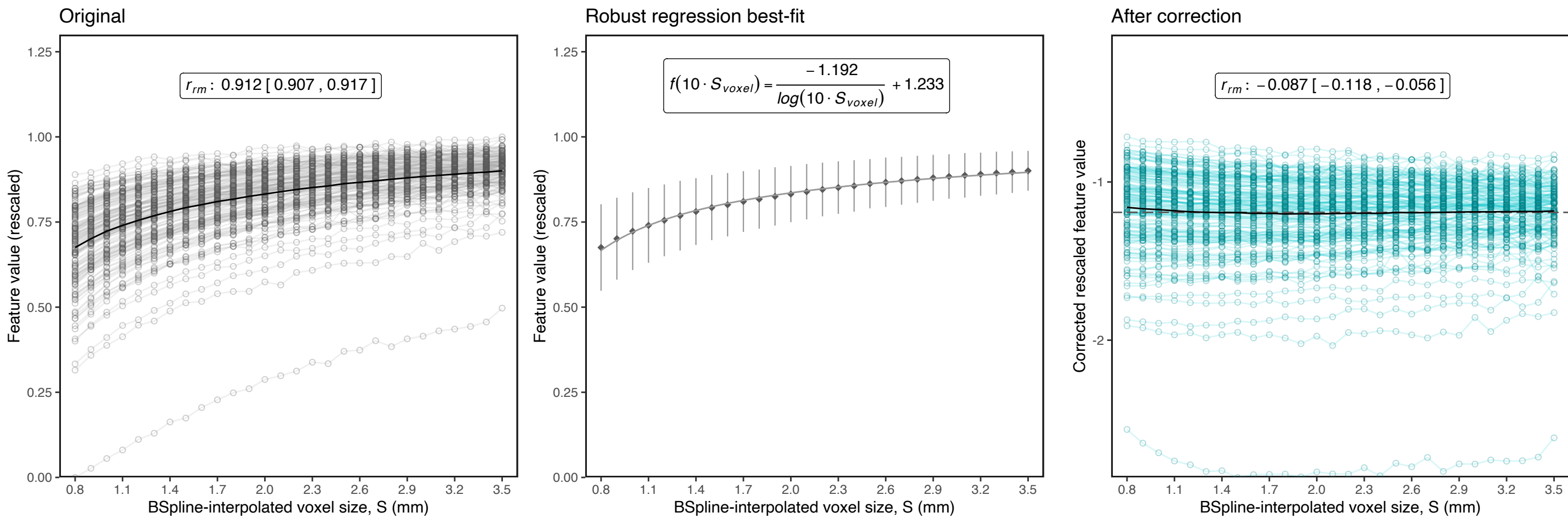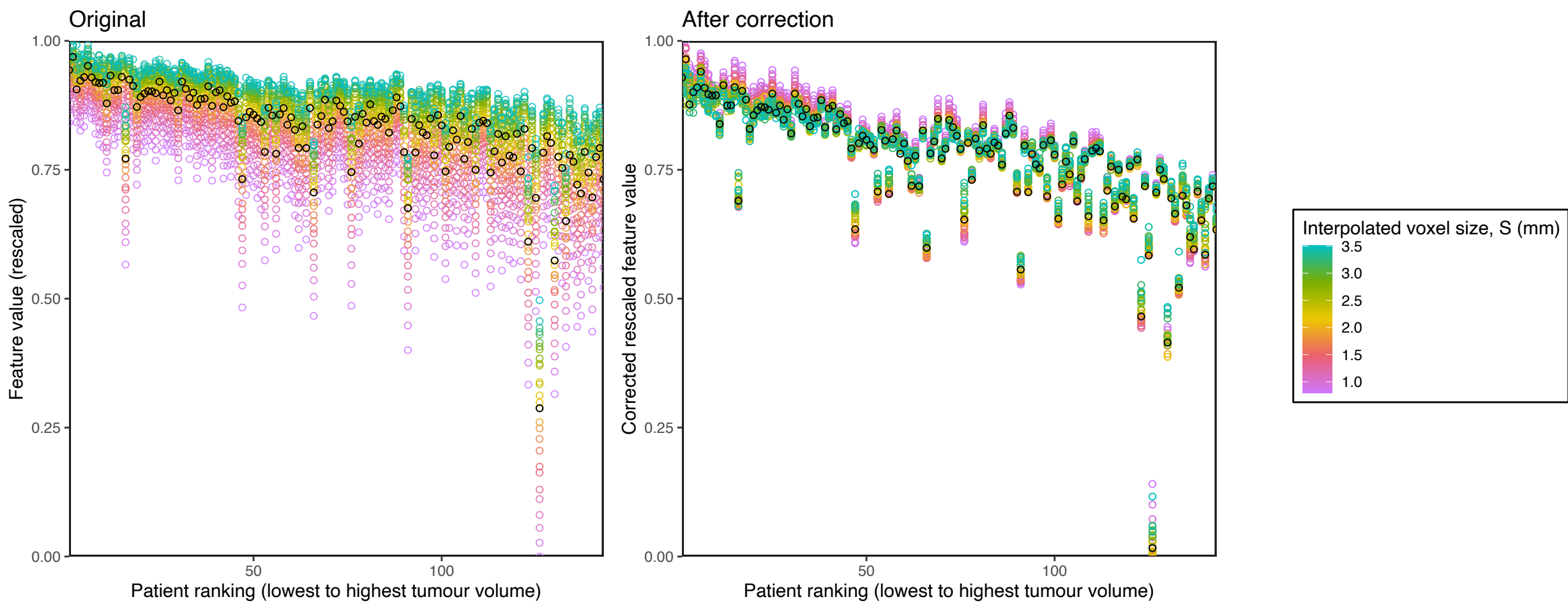# glrlm RunLengthNonUniformityNormalized

Robustness: Conditionally robust
Operational range: Present
Feature correctability: Correctable

Regression modelling to correct features

Original

$r_{rm}: 0.912 \, [\, 0.907 \, , \, 0.917 \,]$

Robust regression best-fit

$$f(10 \cdot S_{voxel}) = \frac{-1.192}{log(10 \cdot S_{voxel})} + 1.233$$

After correction

$r_{rm}: -0.087 \, [\, -0.118 \, , \, -0.056 \,]$

Feature response to BSpline 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 : $p \leq 0.001$

8.13
2.23

Features
Corrected
Original