

Predicting RMSE Difference (Eddy — SHORELine) in ABCD & HCP Schemes

Main Effects of Denoising & Percent Motion, and interactions with Shell Scheme

Characteristic	Translation			Rotation		
	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value
(Intercept)	0.129	0.042, 0.216	0.004	0.297	0.056, 0.538	0.016
Scheme						
ABCD	—	—		—	—	
HCP	0.059	-0.065, 0.182	0.3	0.254	-0.087, 0.595	0.14
Denoising						
MP-PCA	—	—		—	—	
None	0.302	0.178, 0.425	<0.001	0.512	0.171, 0.853	0.003
% Motion	-0.007	-0.009, -0.004	<0.001	-0.037	-0.044, -0.030	<0.001
Scheme * Denoising						
HCP * None	-0.286	-0.460, -0.112	0.001	-0.215	-0.697, 0.267	0.4
Scheme * % Motion						
HCP * % Motion	0.006	0.003, 0.010	<0.001	0.011	0.001, 0.020	0.034
Denoising * % Motion						
None * % Motion	0.002	-0.001, 0.006	0.2	0.033	0.023, 0.043	<0.001
Scheme * Denoising * % Motion						
HCP * None * % Motion	-0.003	-0.008, 0.002	0.2	-0.028	-0.042, -0.014	<0.001

¹ CI = Confidence Interval