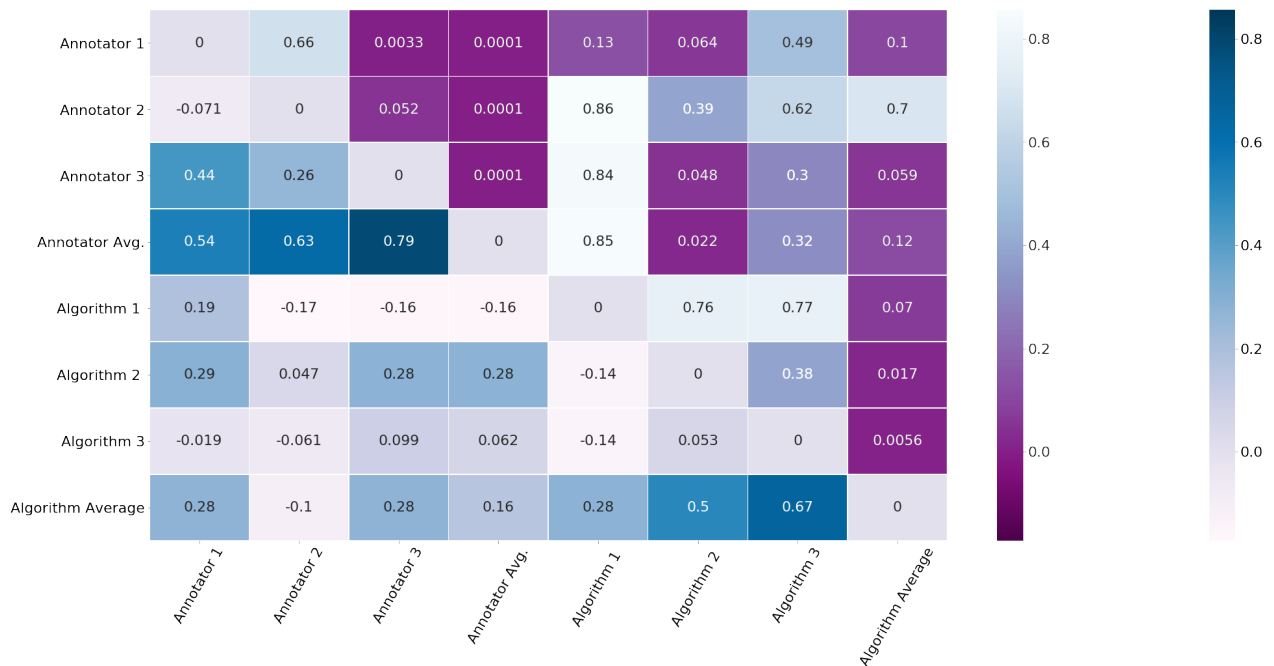


Test Data - April 2019

This experiment was conducted to test our research methods by rating similarity on only 10 of the 20 songs in our sample.

Our Test Subjects were Dr. Patrick Savage, Delton Ding and Hideo Daikoku as raters 1, 2 and 3 respectively.

We used sample 1, 3, 4, 6, 10, 11, 14, 17, 19, 20



Rater 1-2

Mantel statistic r: -0.07051

Significance: 0.66473

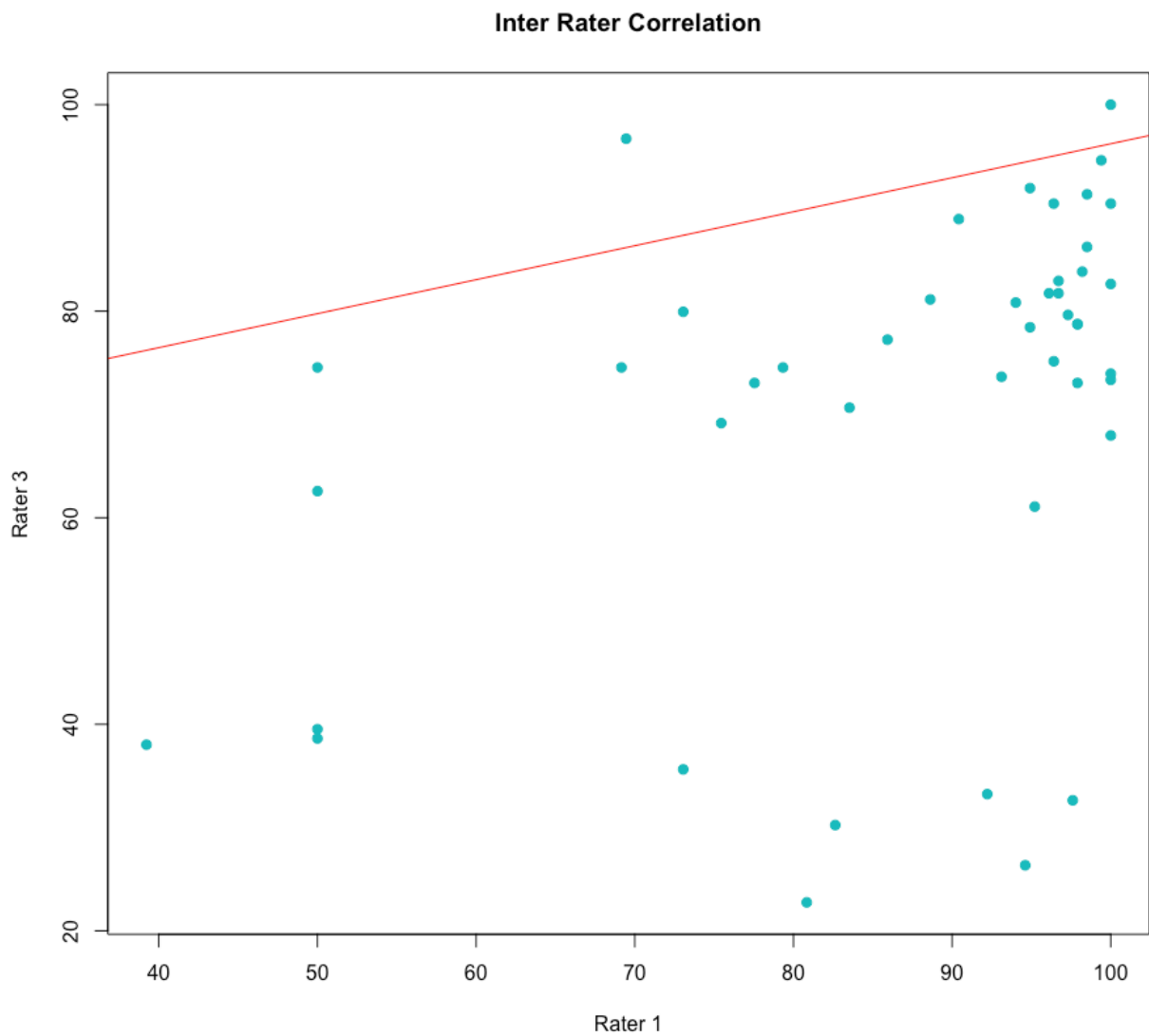
Upper quantiles of permutations (null model):

90% 95% 97.5% 99%

0.215 0.269 0.313 0.375

Permutation: free

Number of permutations: 10000



Rater 2-3

Mantel statistic r: 0.258

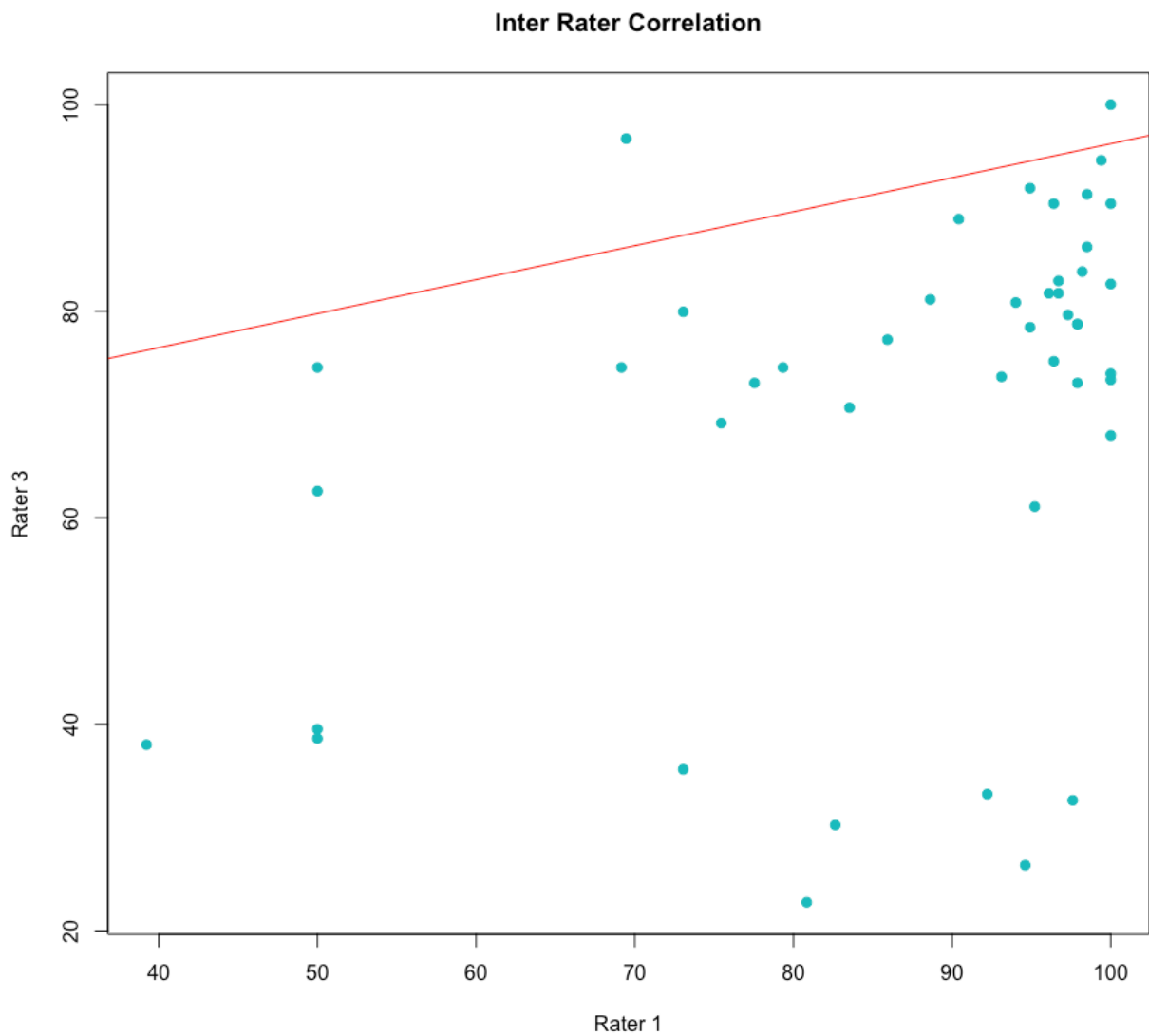
Significance: 0.051695

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.202	0.260	0.306	0.362

Permutation: free

Number of permutations: 10000



Rater 1 - Musly

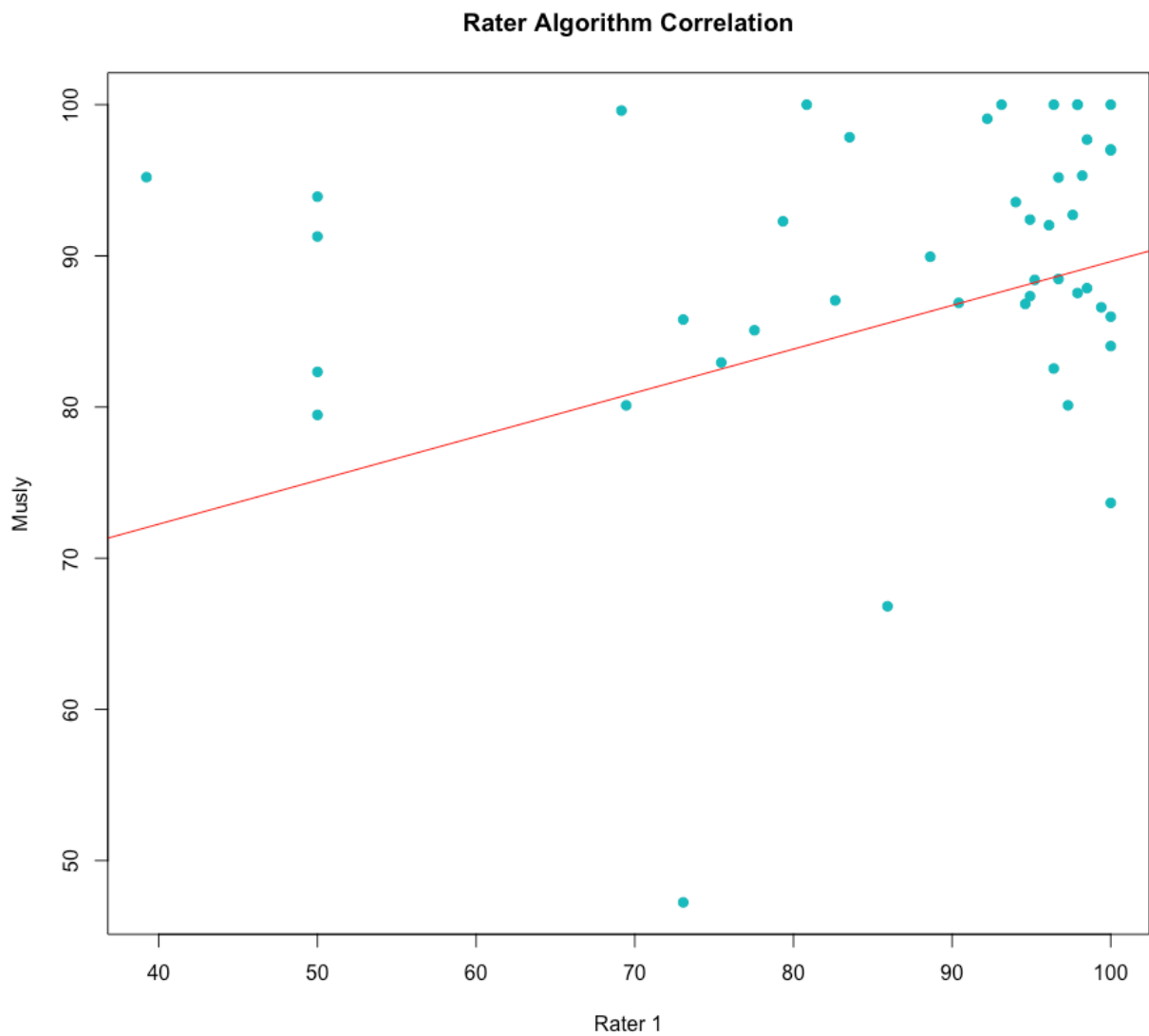
Mantel statistic r : 0.1857
Significance: 0.13199

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.209	0.265	0.313	0.363

Permutation: free

Number of permutations: 10000



Rater 2 - Musly

Mantel statistic r: -0.1724

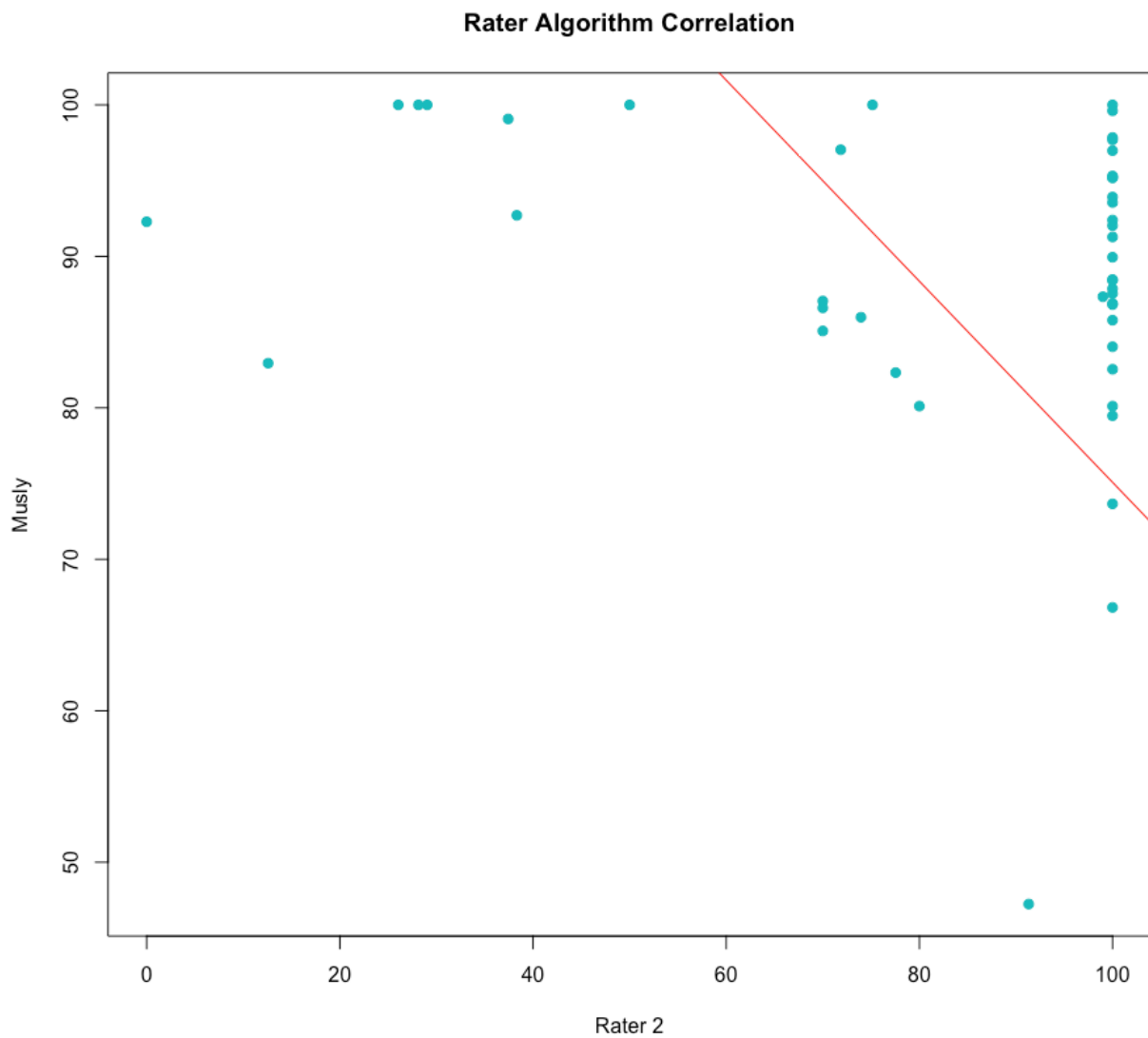
Significance: 0.85621

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.207	0.263	0.313	0.362

Permutation: free

Number of permutations: 10000



Rater 3 - Musly

Mantel statistic r: -0.1587

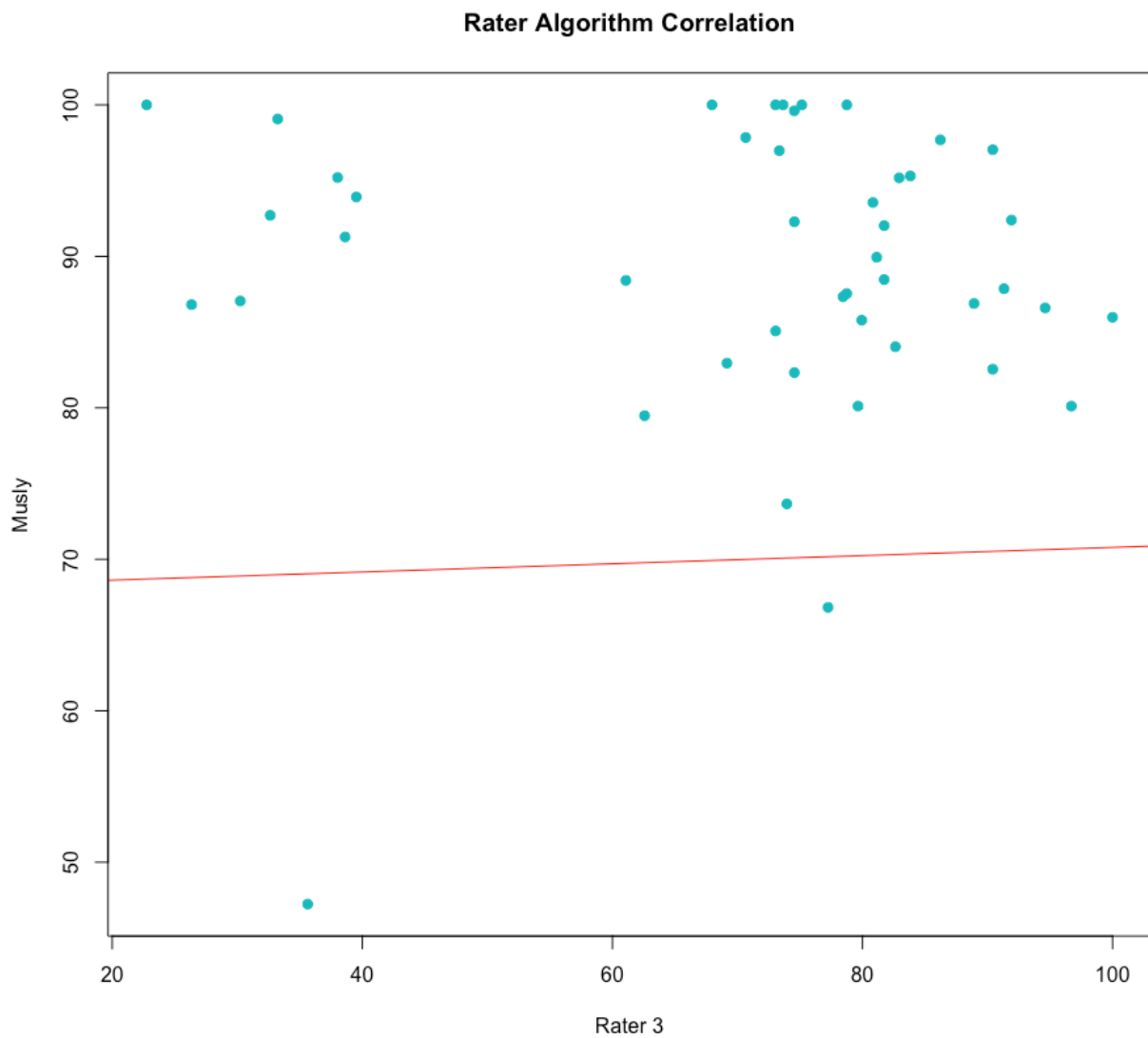
Significance: 0.83902

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.204	0.262	0.310	0.358

Permutation: free

Number of permutations: 10000



Rater 1 - Pohle

Mantel statistic r: 0.292

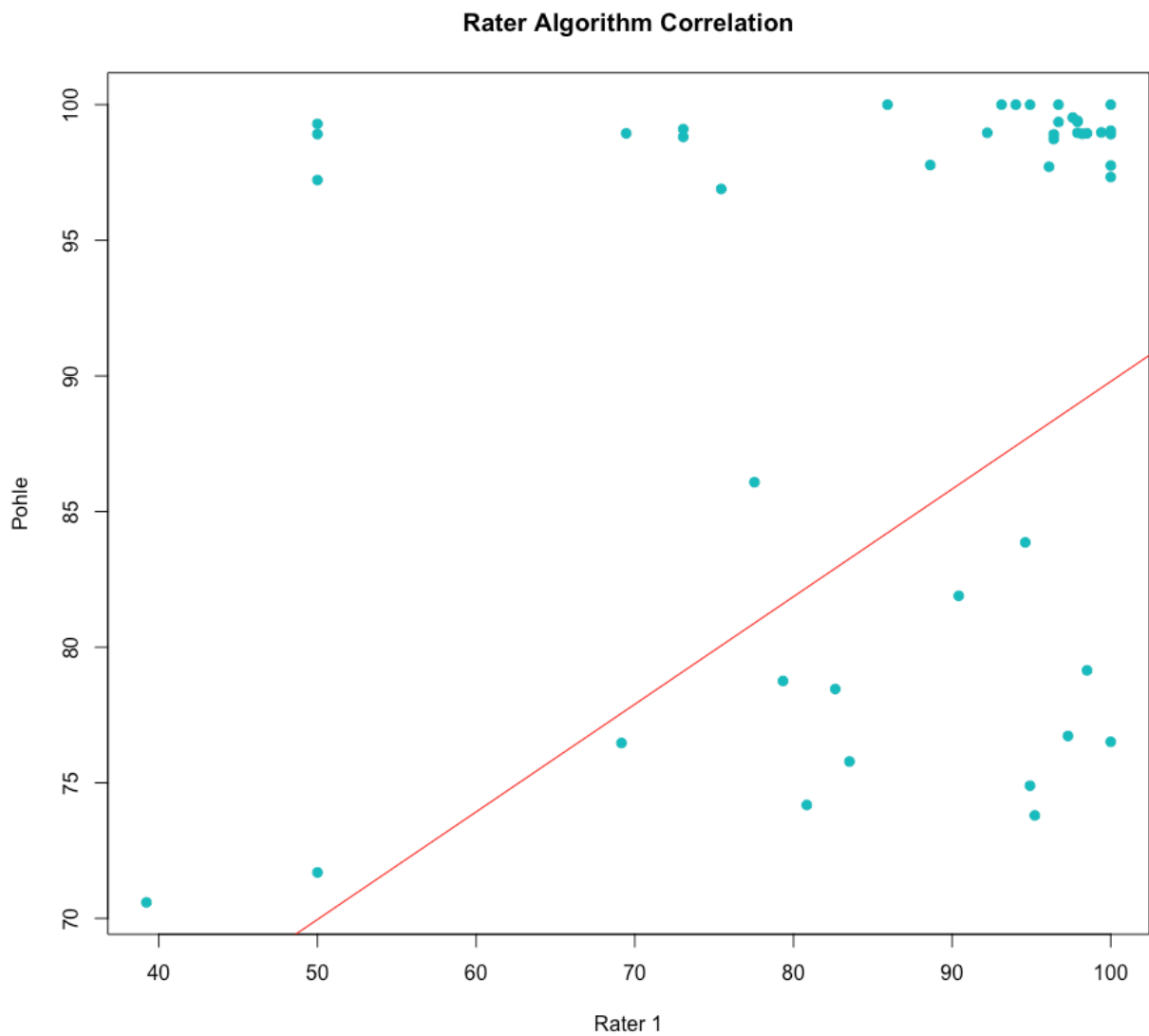
Significance: 0.063794

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.245	0.322	0.367	0.425

Permutation: free

Number of permutations: 10000



Rater 2 - Pohle

Mantel statistic r: 0.04737

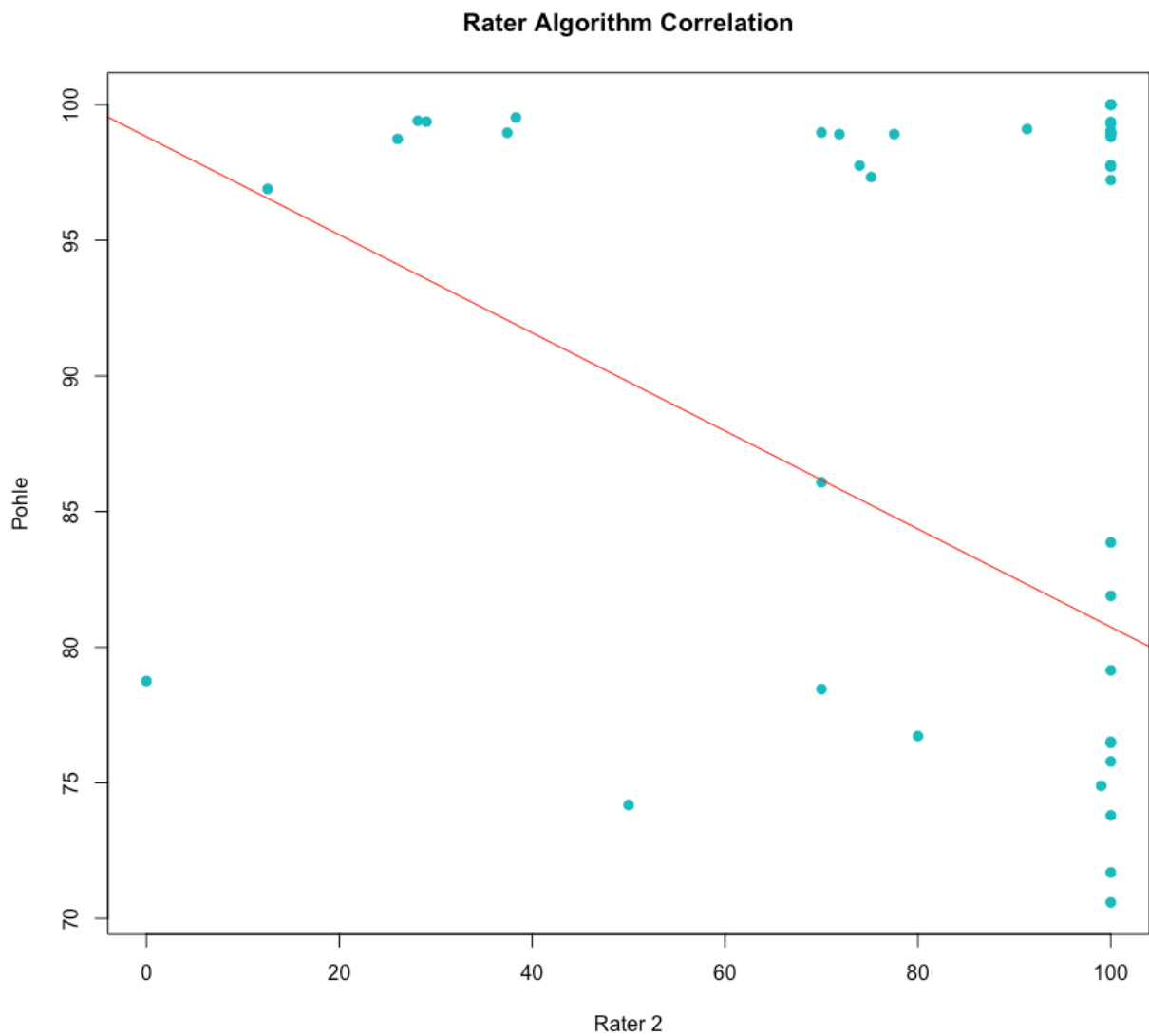
Significance: 0.39076

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.223	0.287	0.338	0.390

Permutation: free

Number of permutations: 10000



Rater 3 - Pohle

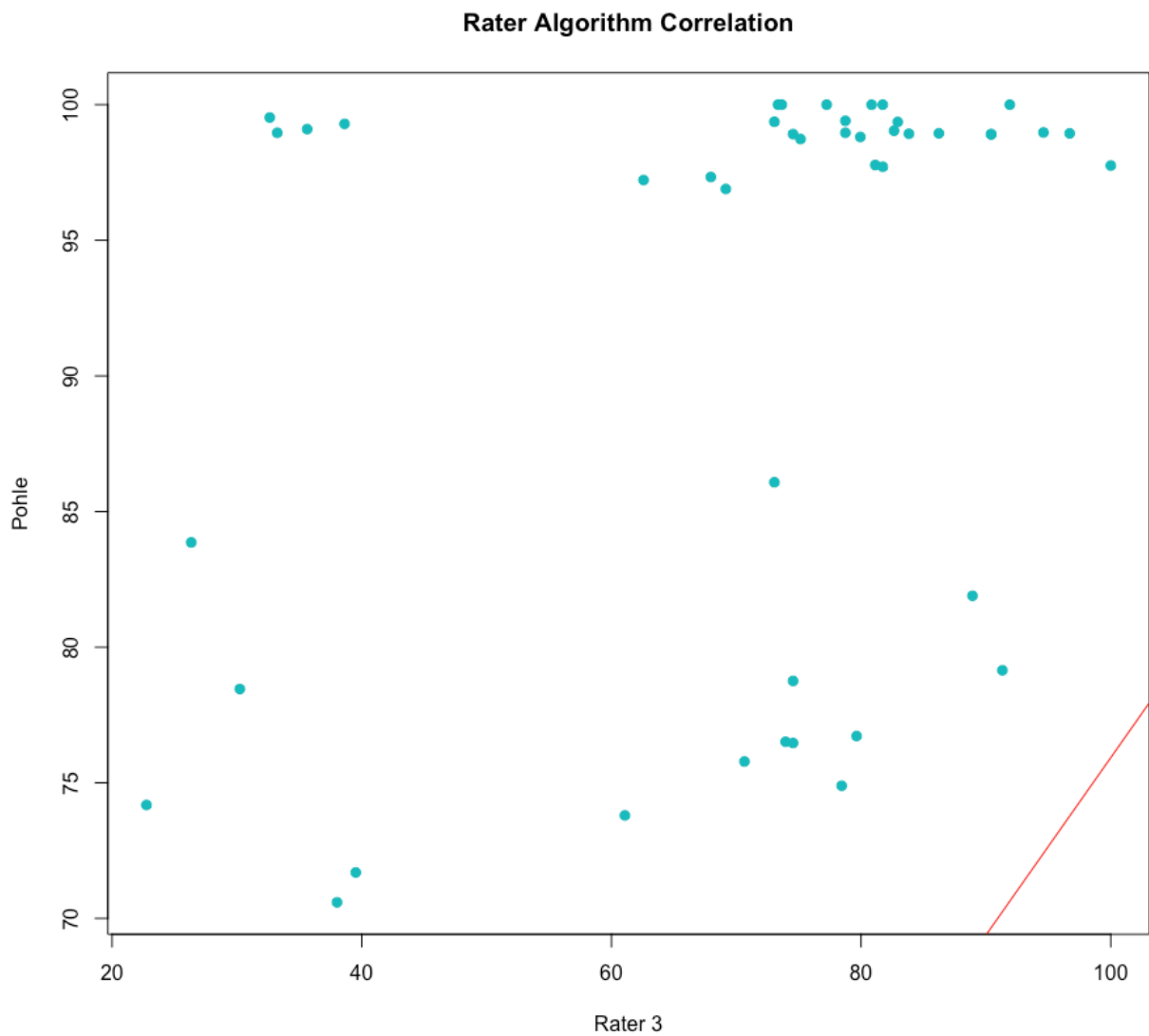
Mantel statistic r: 0.2812
Significance: 0.047895

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.215	0.277	0.327	0.371

Permutation: free

Number of permutations: 10000



Rater 1 - Panteli

Mantel statistic r: -0.01934

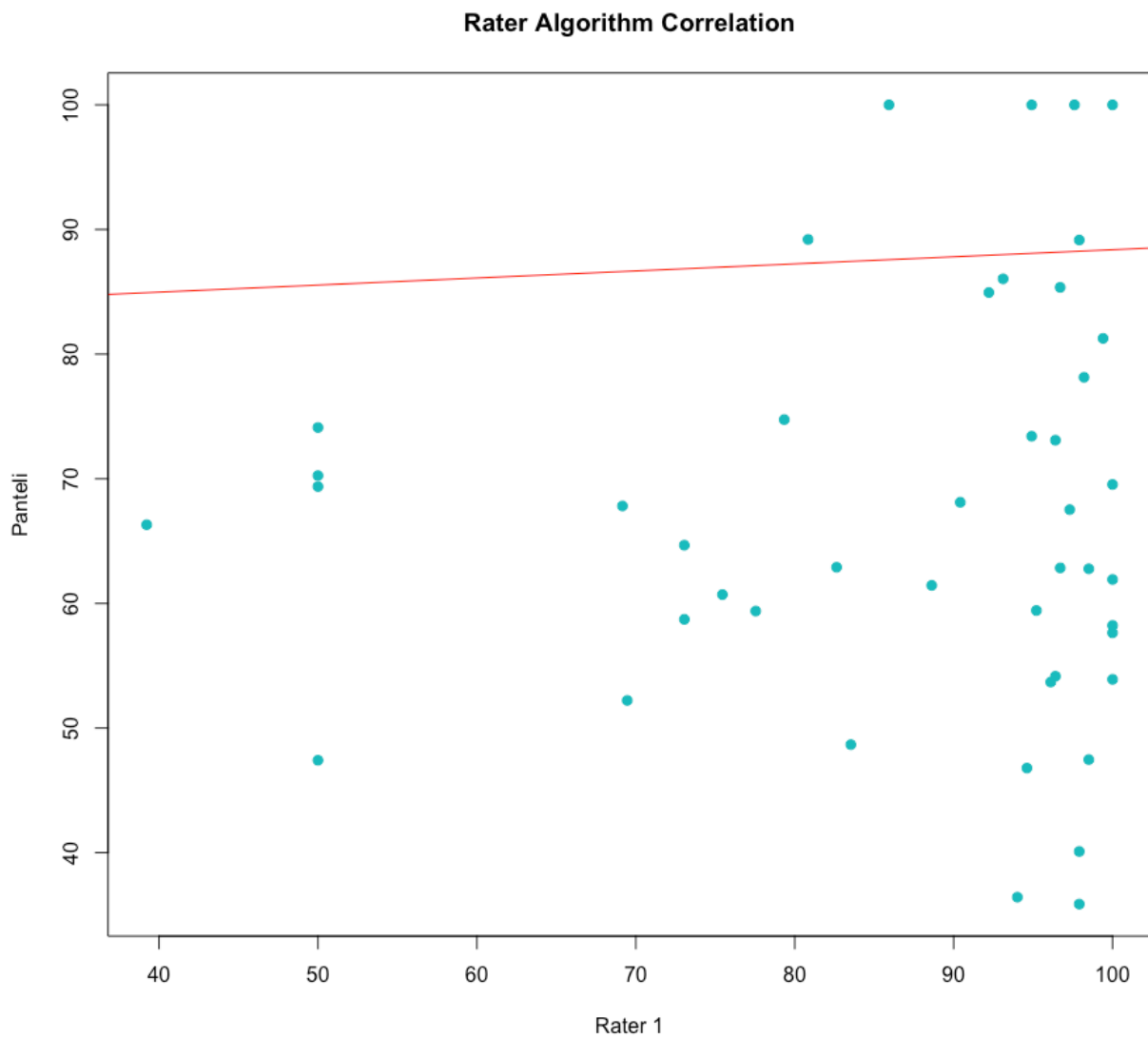
Significance: 0.49445

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.283	0.364	0.417	0.477

Permutation: free

Number of permutations: 10000



Rater 2 - Panteli

Mantel statistic r: -0.06073

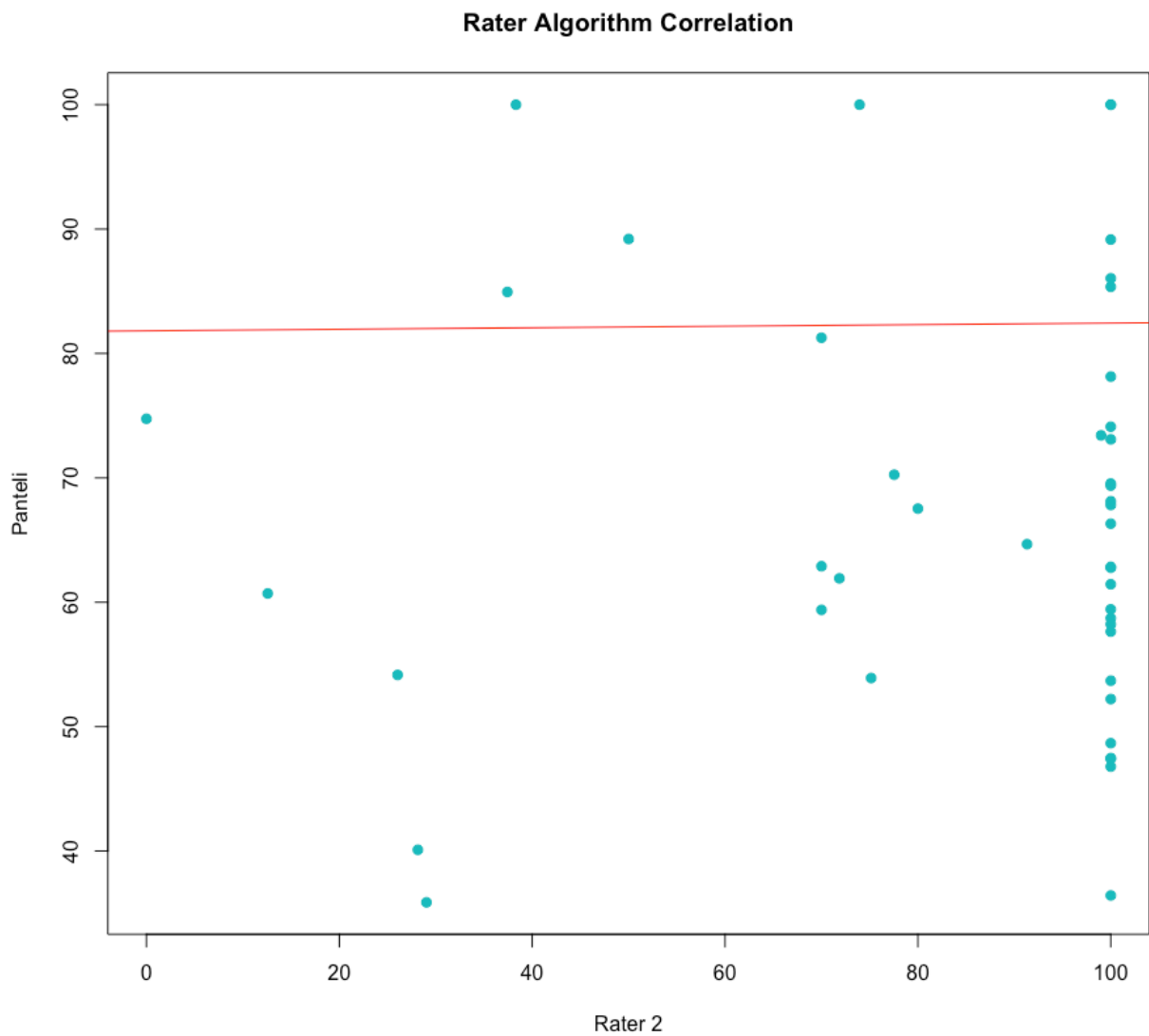
Significance: 0.62014

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.247	0.310	0.364	0.416

Permutation: free

Number of permutations: 10000



Rater 3 - Panteli

Mantel statistic r: 0.09874

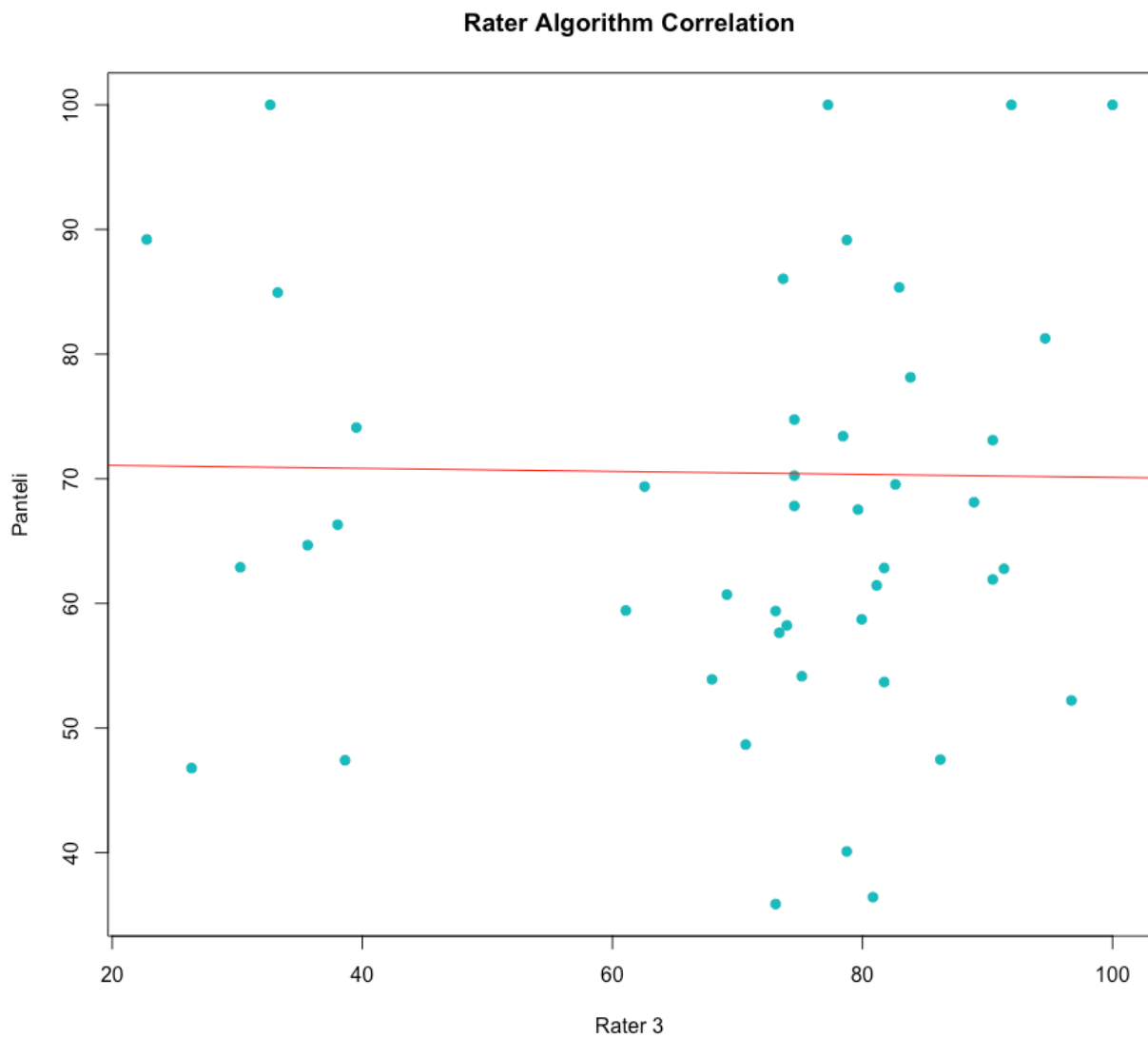
Significance: 0.30107

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.237	0.298	0.343	0.392

Permutation: free

Number of permutations: 10000



Rater 1 - Average Algorithm

Mantel statistic r : 0.276

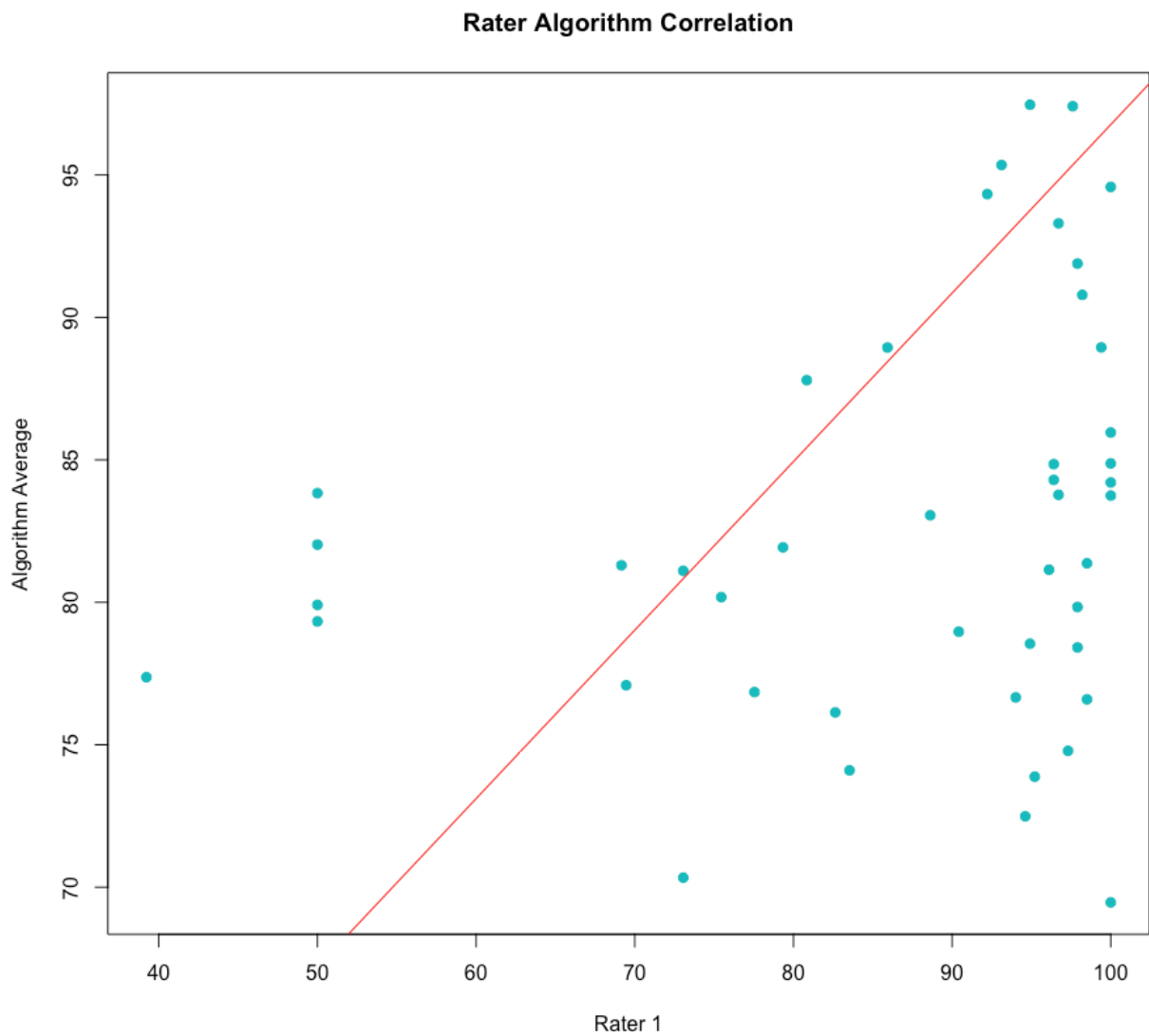
Significance: 0.10439

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.282	0.366	0.425	0.489

Permutation: free

Number of permutations: 10000



Rater 2 - Average Algorithm

Mantel statistic r: -0.1039

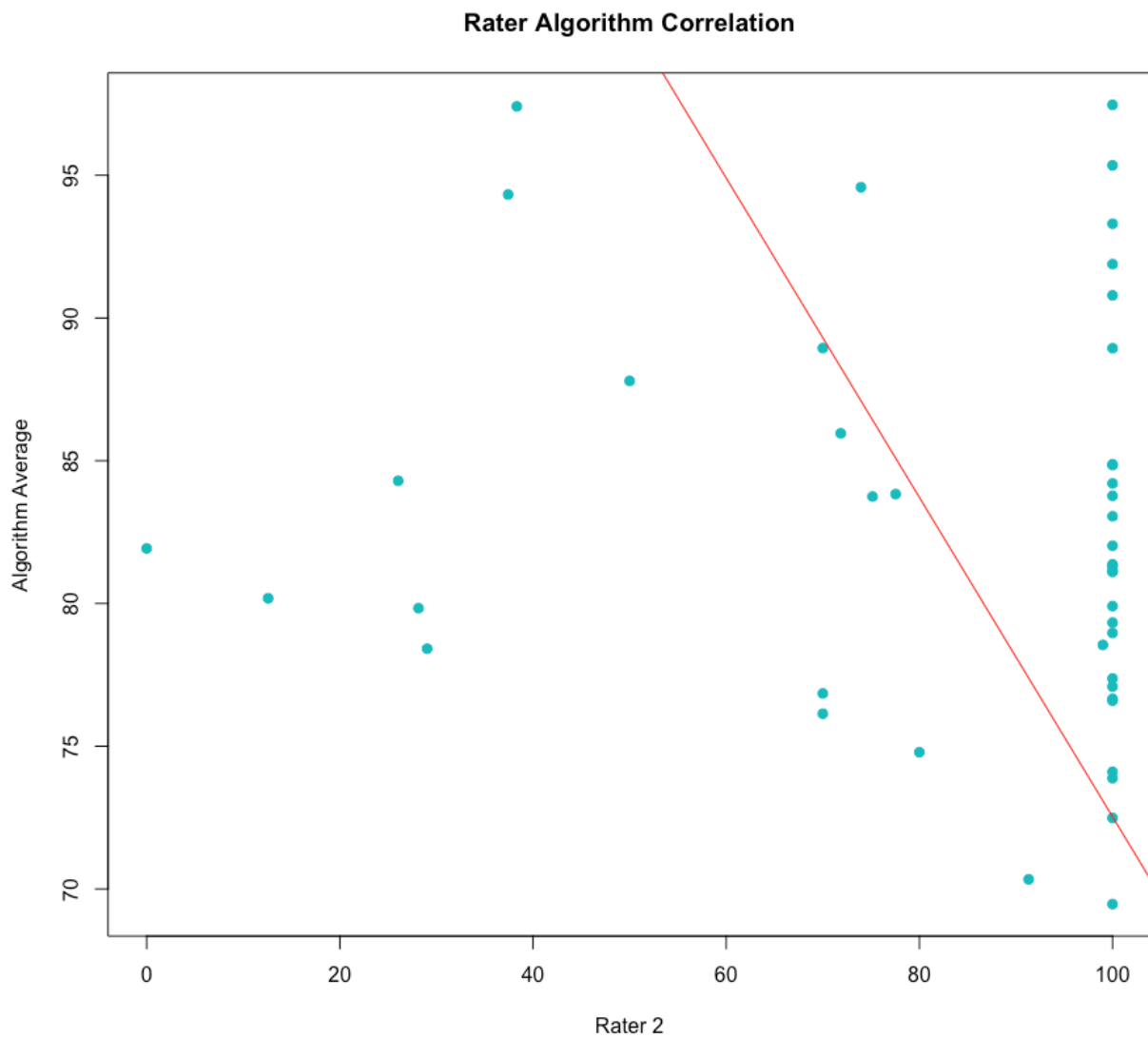
Significance: 0.69613

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.246	0.306	0.357	0.415

Permutation: free

Number of permutations: 10000



Rater 3 - Average Algorithm

Mantel statistic r: 0.2757

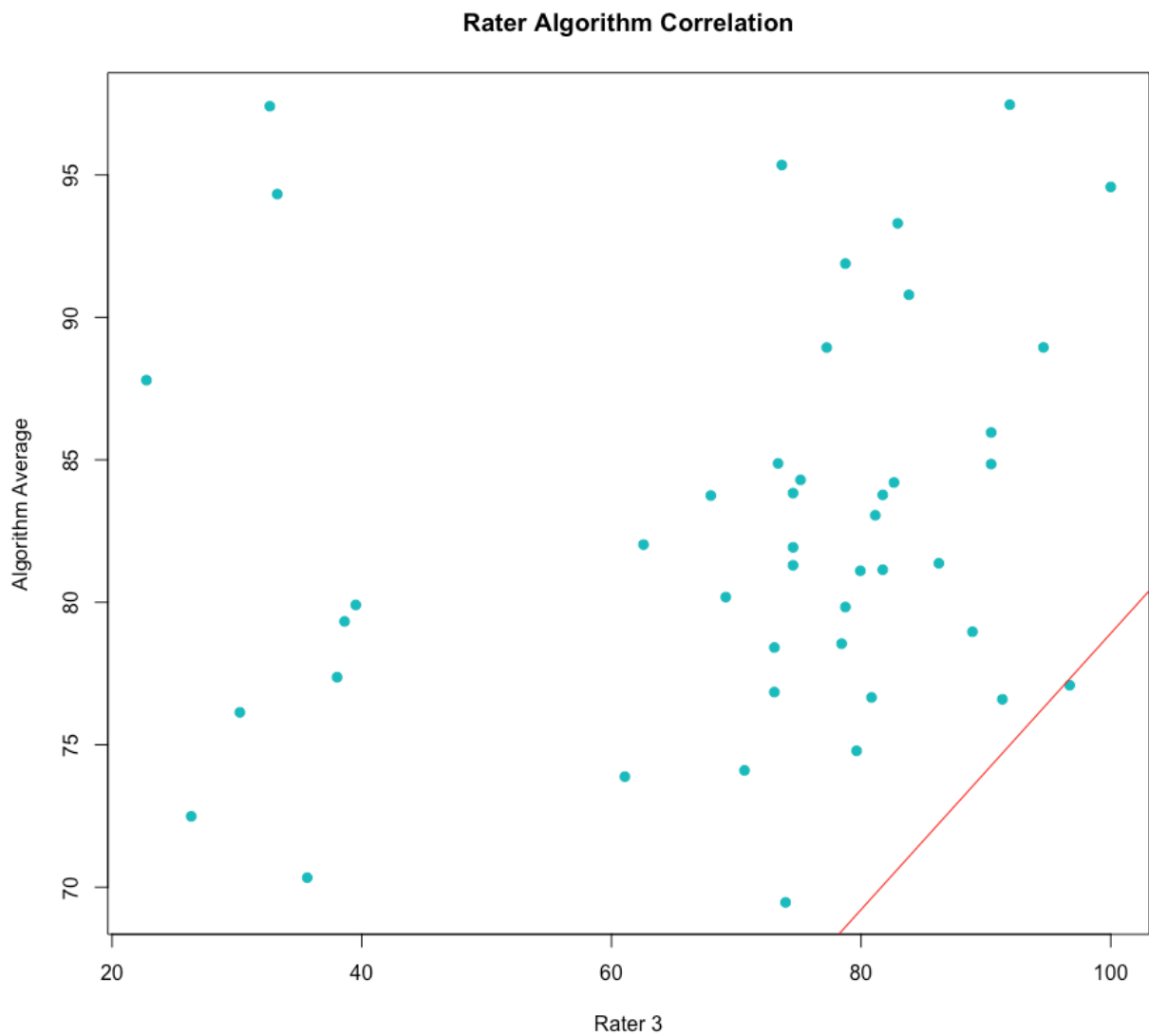
Significance: 0.059094

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.235	0.291	0.332	0.379

Permutation: free

Number of permutations: 10000



Average - Average Algorithm

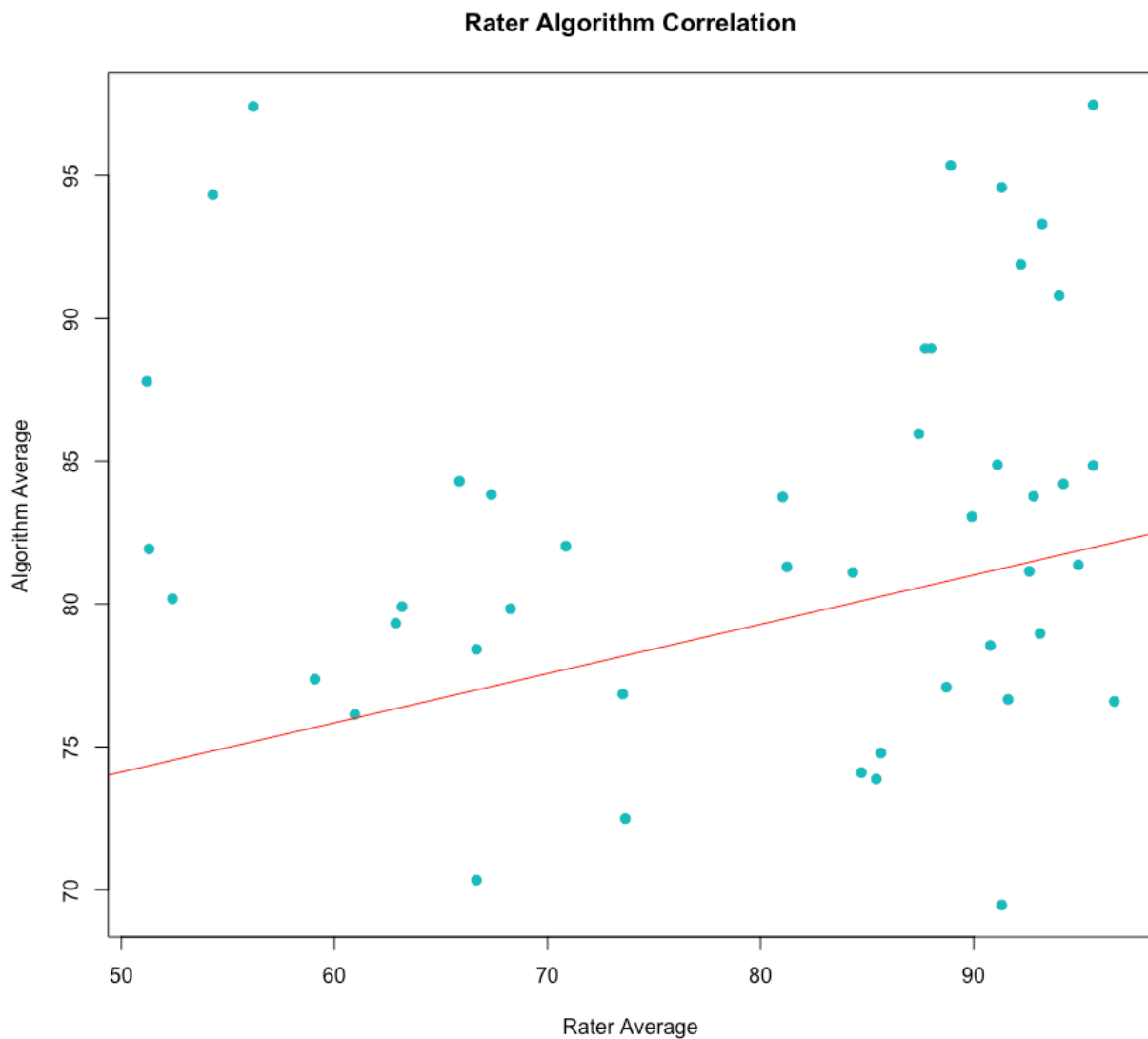
Mantel statistic r : 0.1643
Significance: 0.12029

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.178	0.222	0.261	0.300

Permutation: free

Number of permutations: 10000



Rater 1 - Average

Mantel statistic r: 0.5365

Significance: 9.999e-05

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.183	0.234	0.280	0.334

Permutation: free

Number of permutations: 10000

Rater 2 - Average

Mantel statistic r: 0.6305
Significance: 9.999e-05

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.190	0.242	0.284	0.334

Permutation: free

Number of permutations: 10000

Rater 3 - Average

Mantel statistic r: 0.7867
Significance: 9.999e-05

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.188	0.240	0.286	0.345

Permutation: free

Number of permutations: 10000

Musly - Average

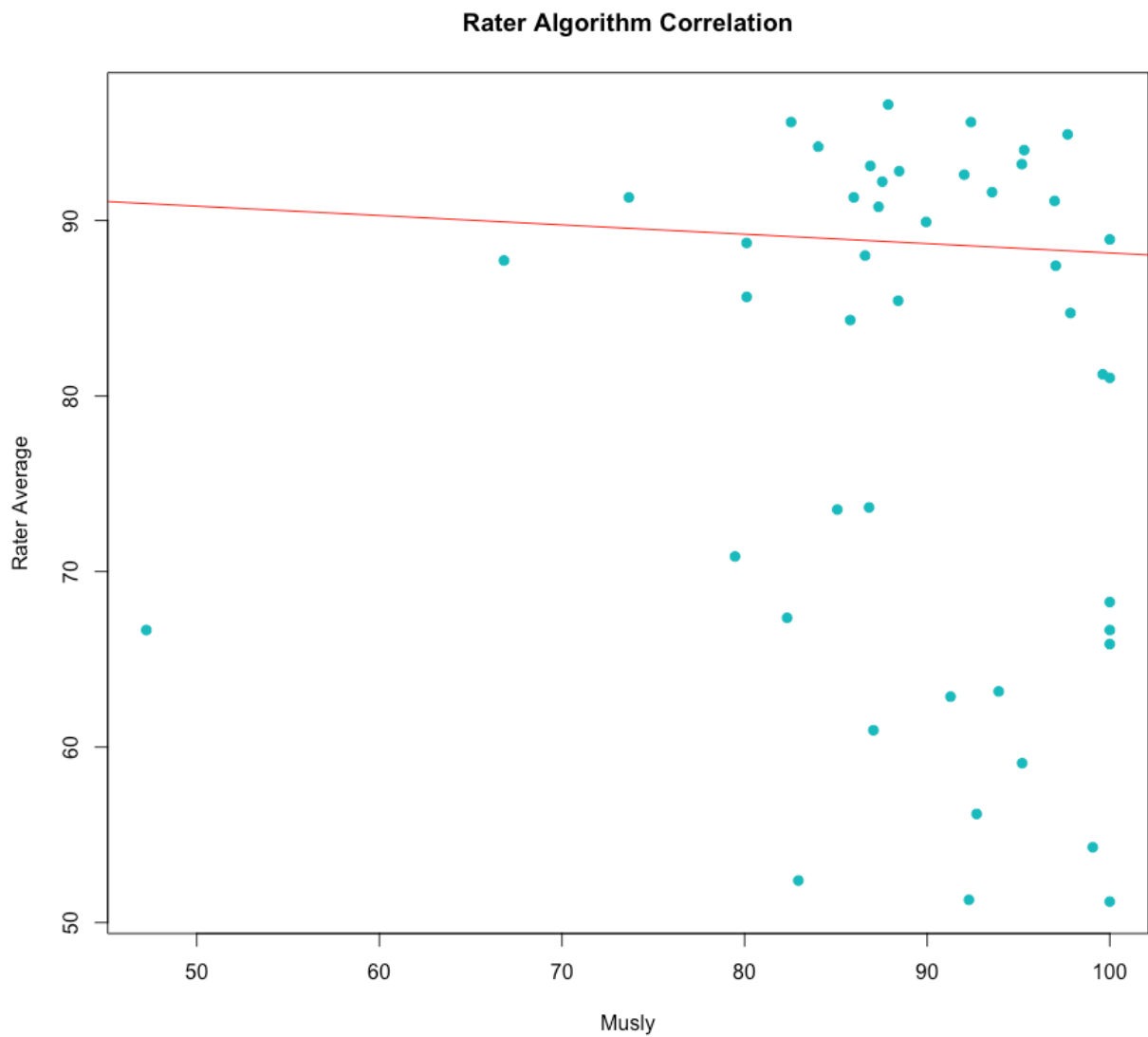
Mantel statistic r: -0.1553
Significance: 0.84852

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.190	0.245	0.289	0.336

Permutation: free

Number of permutations: 10000



Pohle - Average

Mantel statistic r: 0.2794

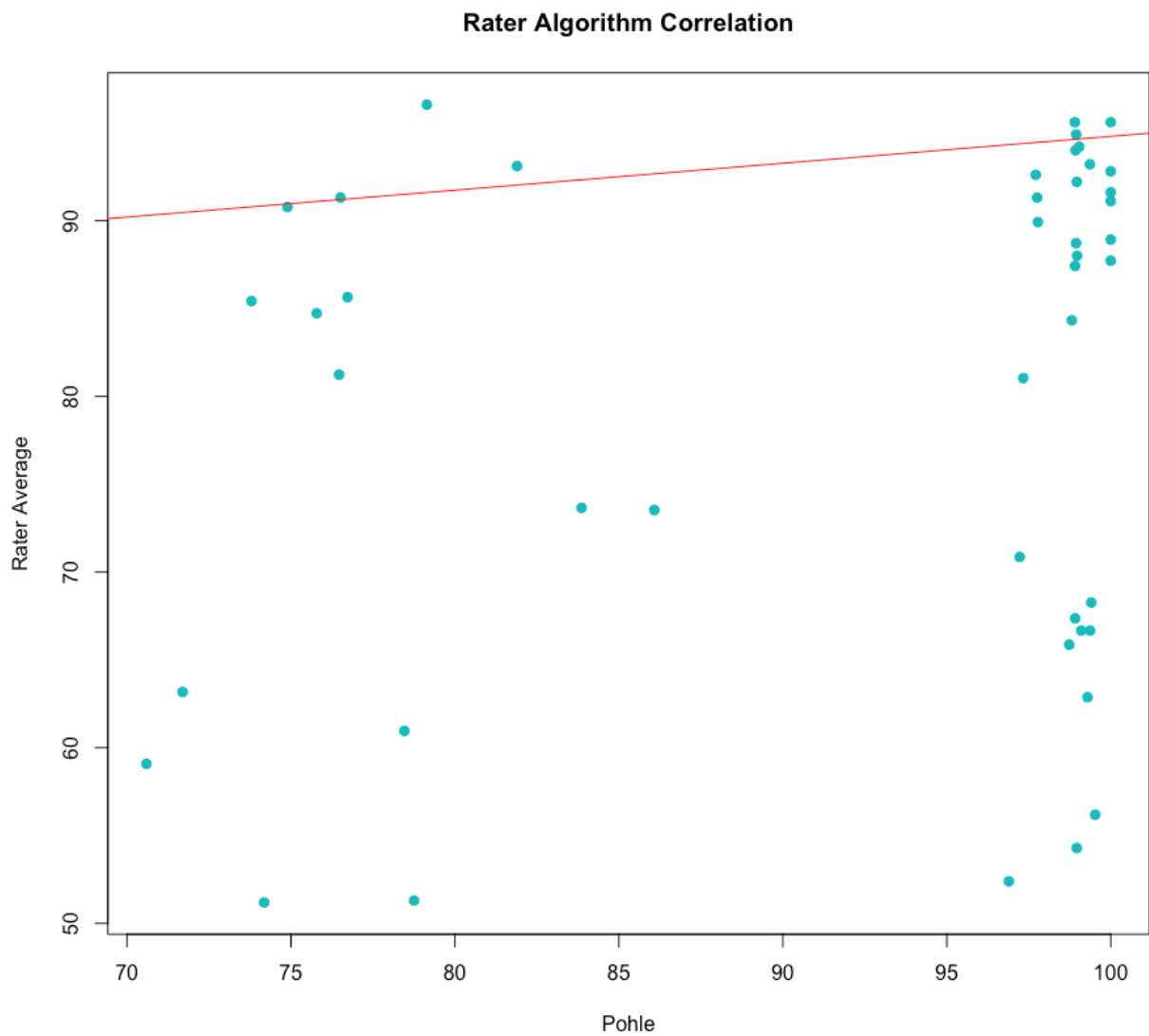
Significance: 0.021798

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.176	0.224	0.271	0.337

Permutation: free

Number of permutations: 10000



Panteli - Average

Mantel statistic r: 0.06224

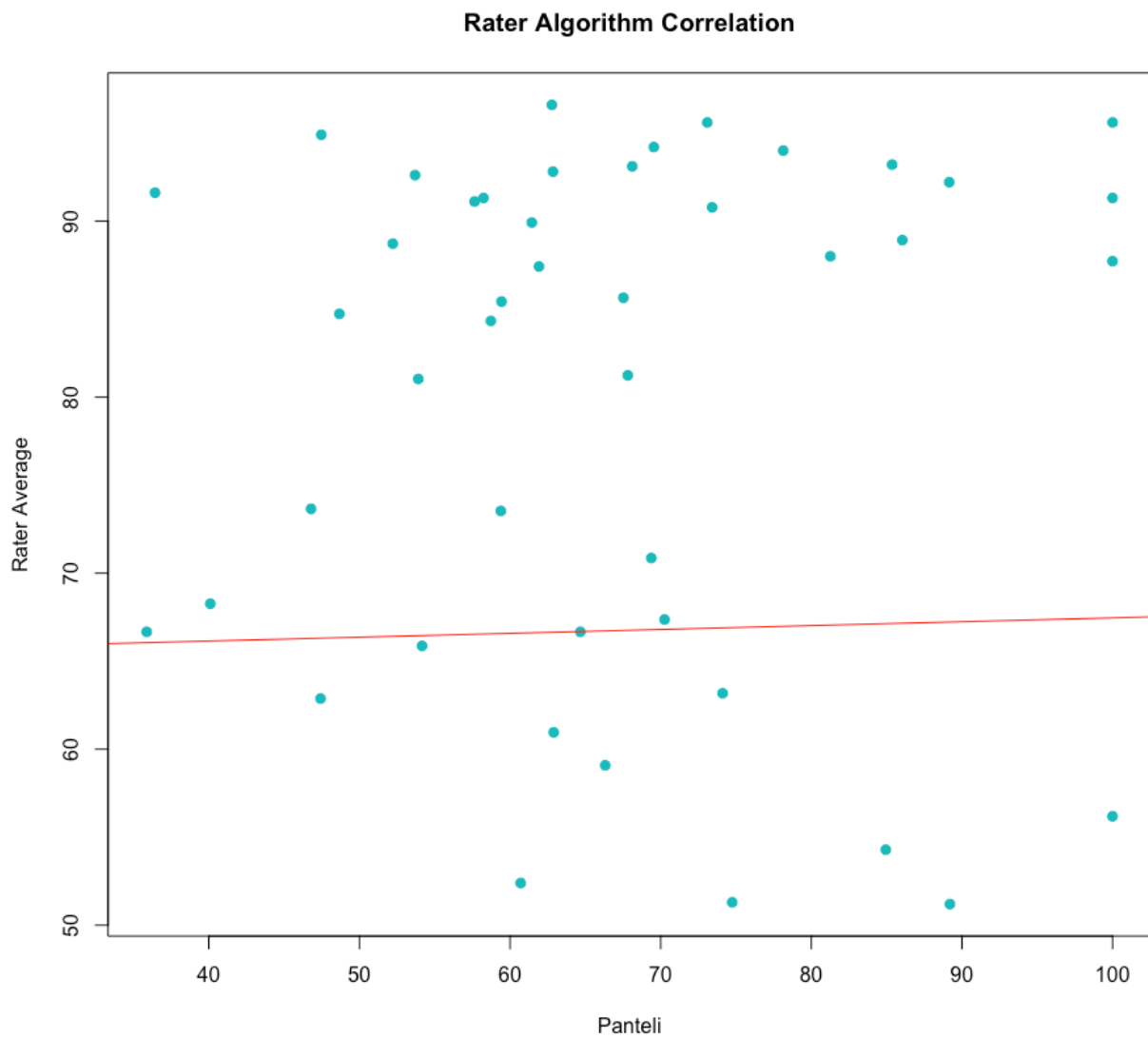
Significance: 0.31507

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.177	0.219	0.254	0.294

Permutation: free

Number of permutations: 10000



Musly - Average Algorithm

Mantel statistic r: 0.2792

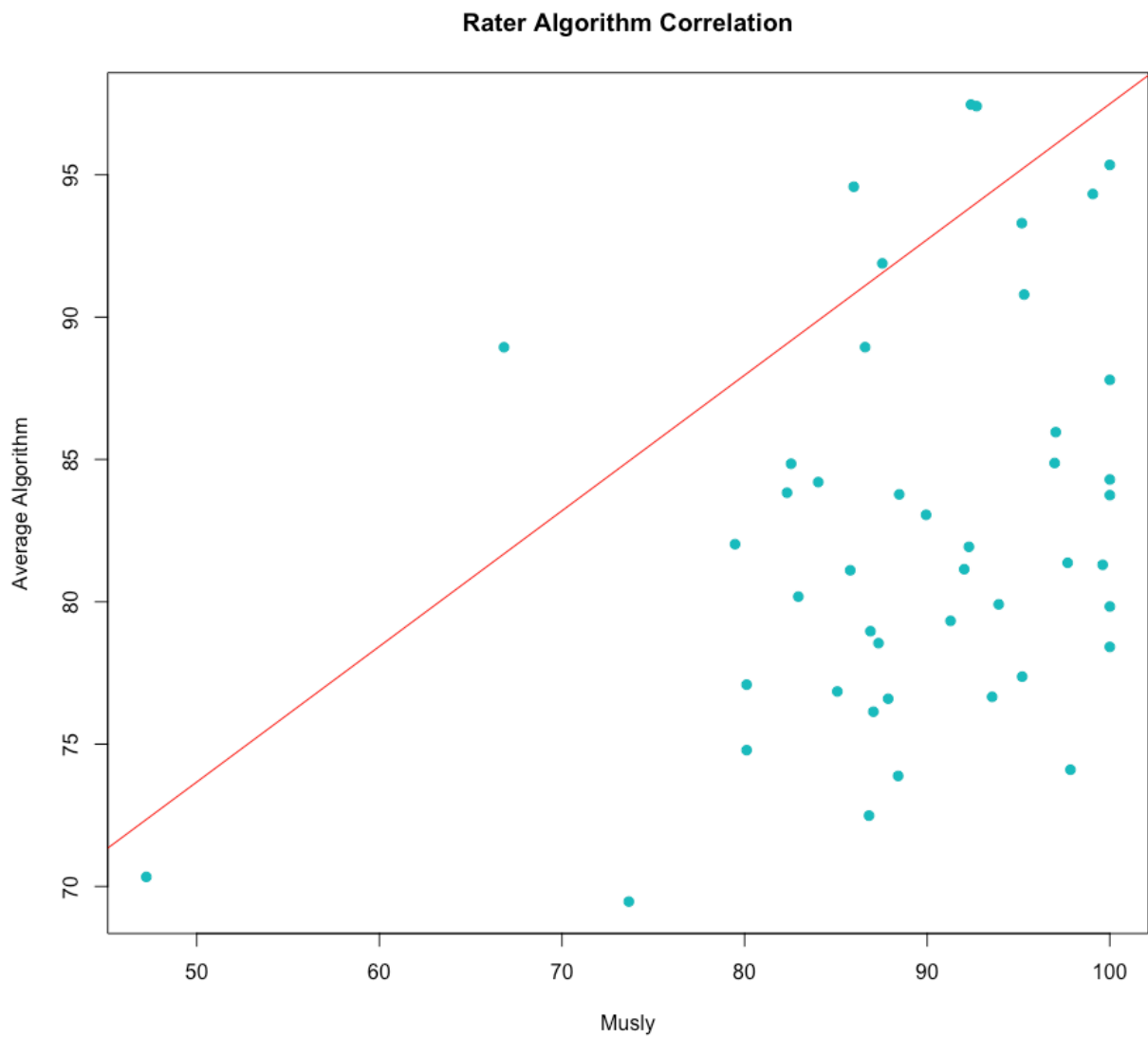
Significance: 0.070393

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.243	0.309	0.365	0.426

Permutation: free

Number of permutations: 10000



Pohle - Average Algorithm

Mantel statistic r: 0.5028

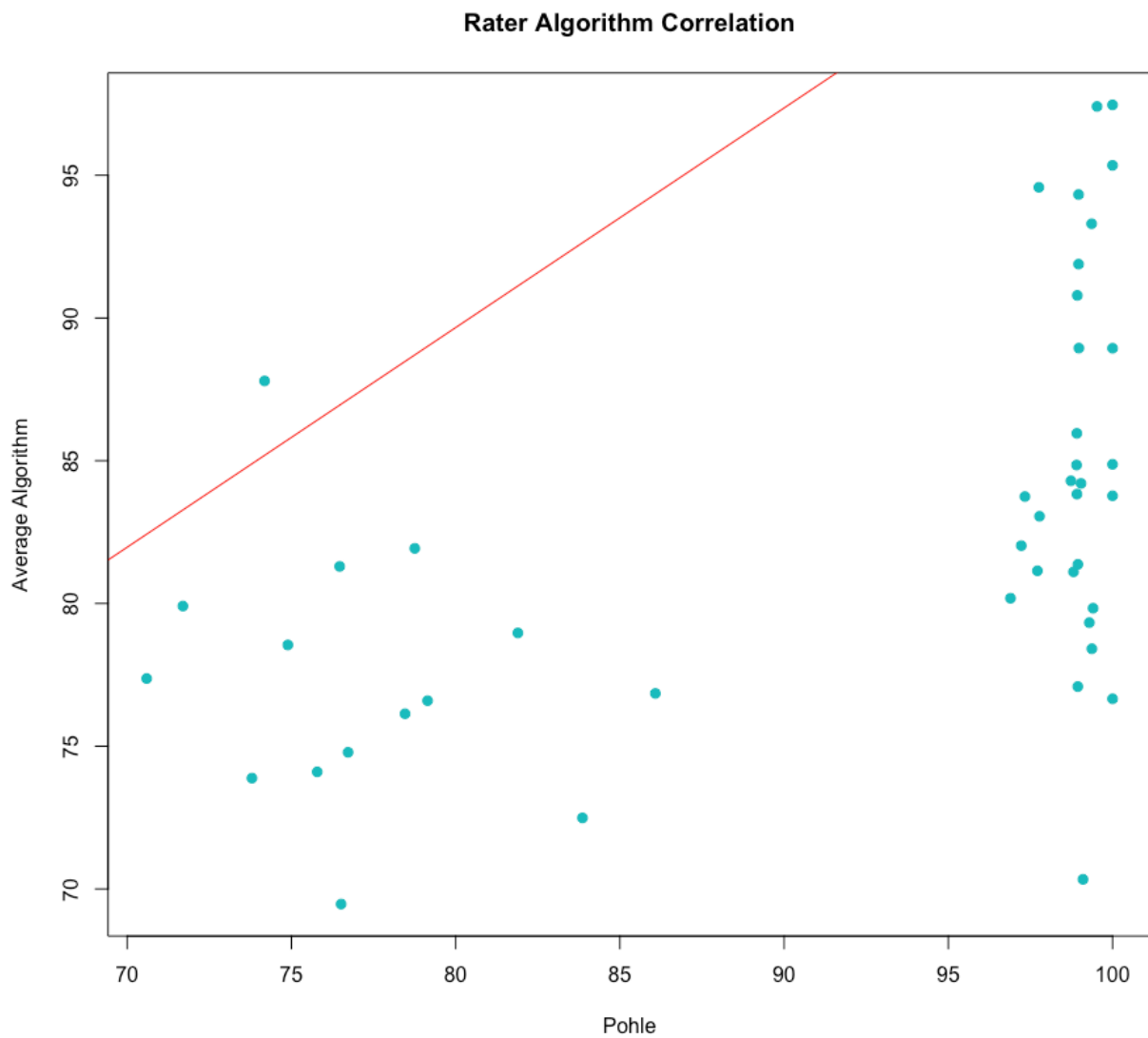
Significance: 0.016798

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.318	0.406	0.469	0.530

Permutation: free

Number of permutations: 10000



Panteli - Average Algorithm

Mantel statistic r: 0.6667

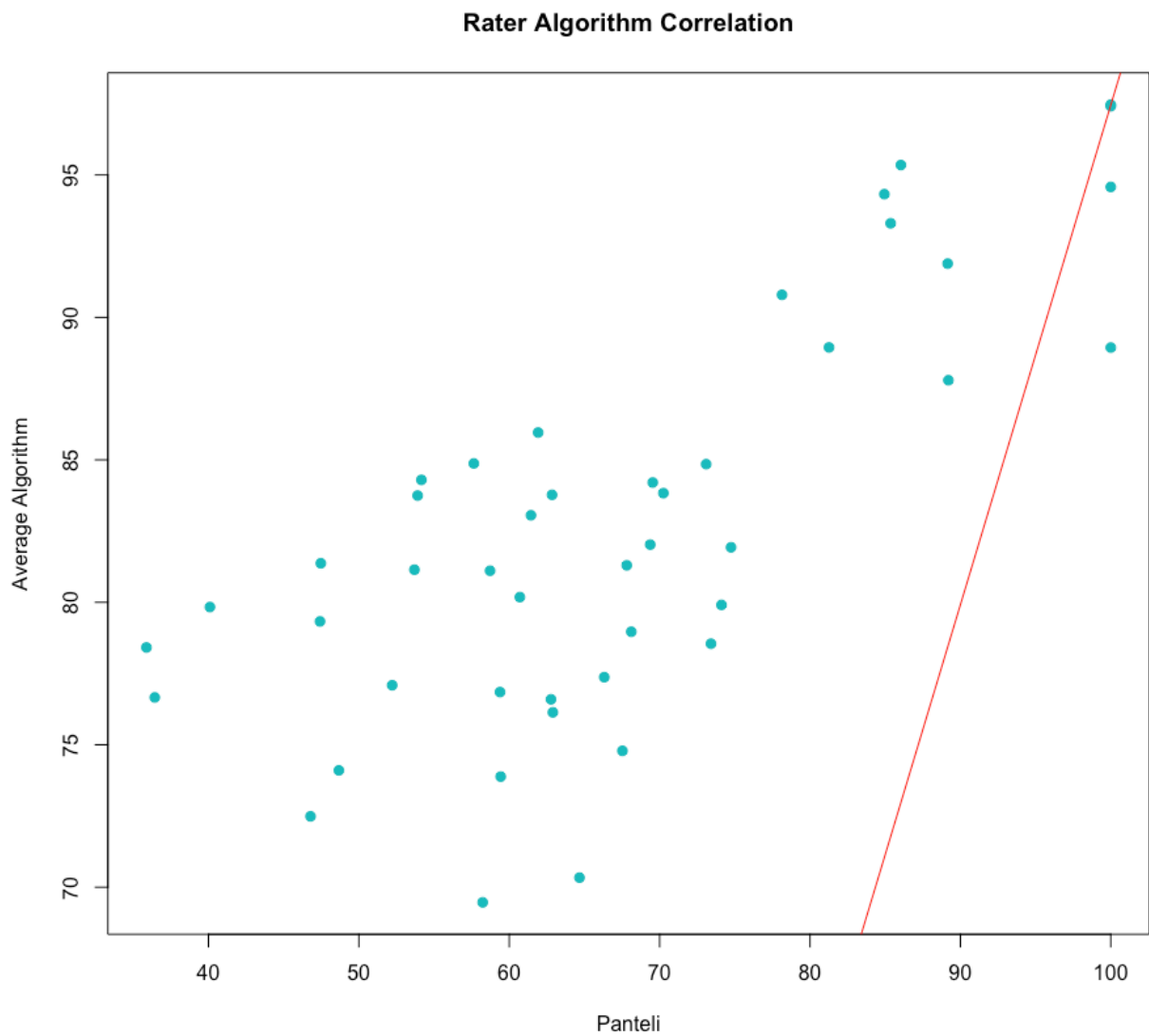
Significance: 0.0055994

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.377	0.482	0.556	0.624

Permutation: free

Number of permutations: 10000



Musly - Pohle

Mantel statistic r: -0.1366

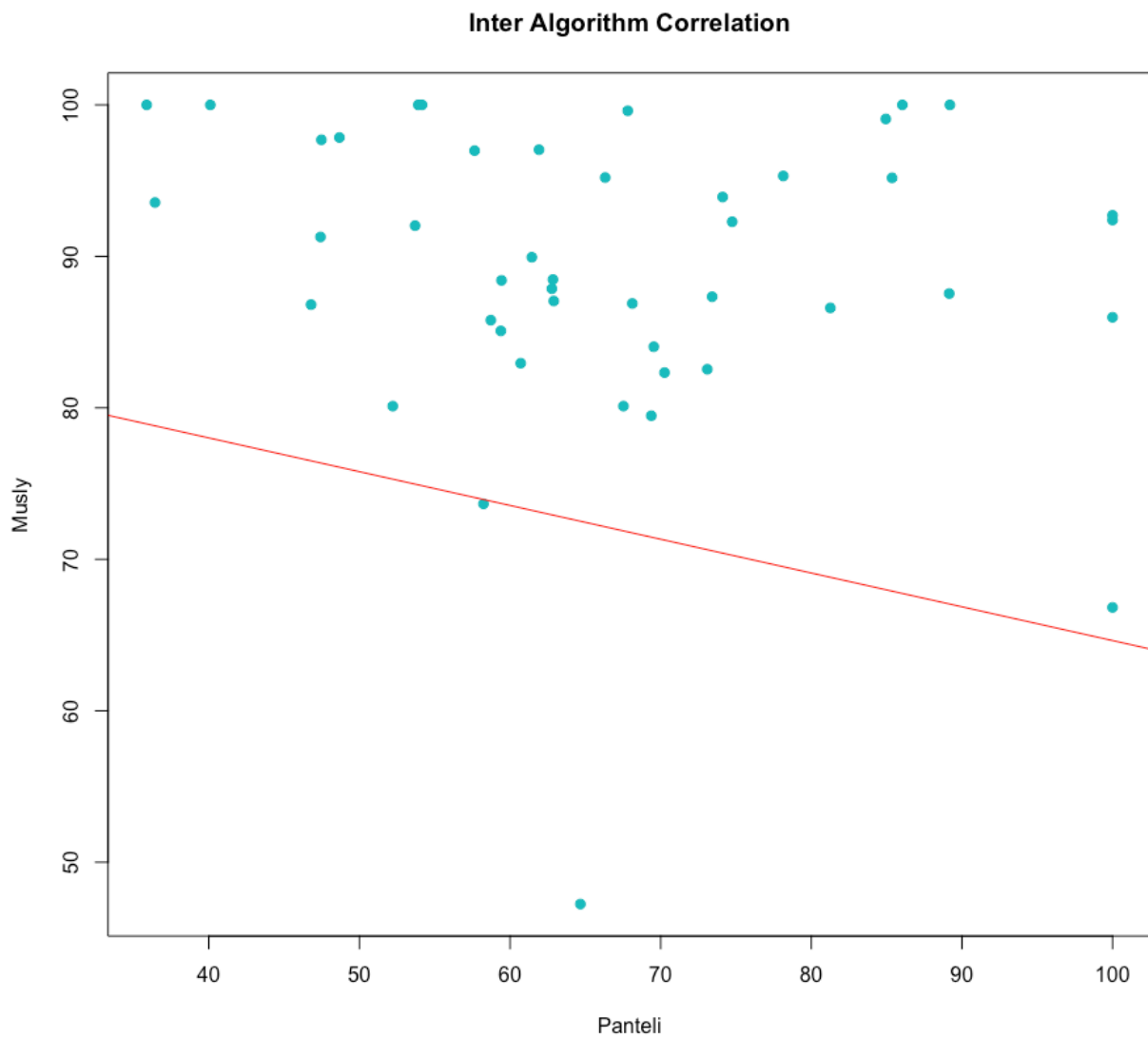
Significance: 0.75722

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.244	0.310	0.367	0.428

Permutation: free

Number of permutations: 10000



Pohle - Panteli

Mantel statistic r: 0.05318

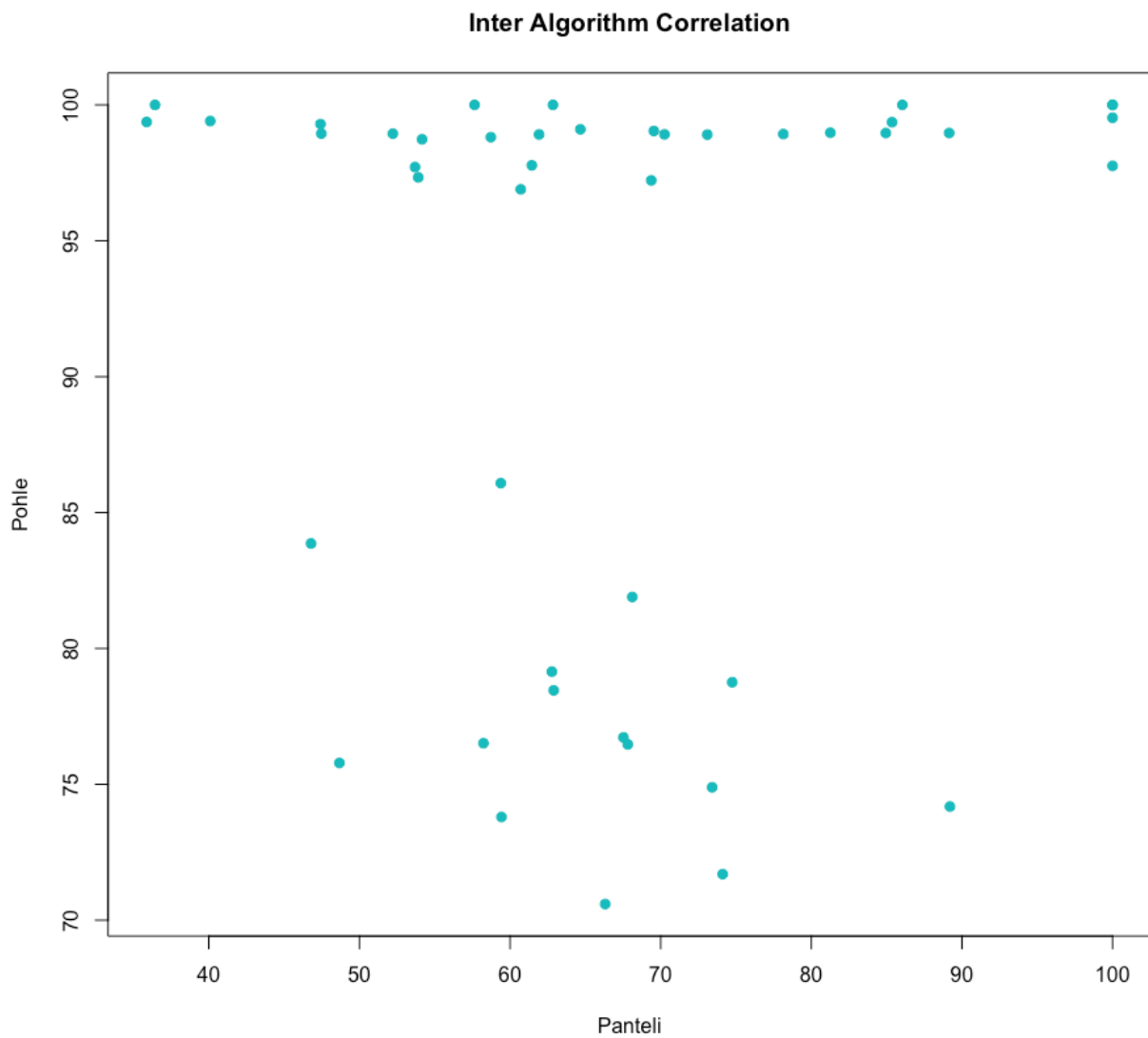
Significance: 0.38406

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.322	0.414	0.475	0.543

Permutation: free

Number of permutations: 10000



Musly - Panteli

Mantel statistic r : -0.1366

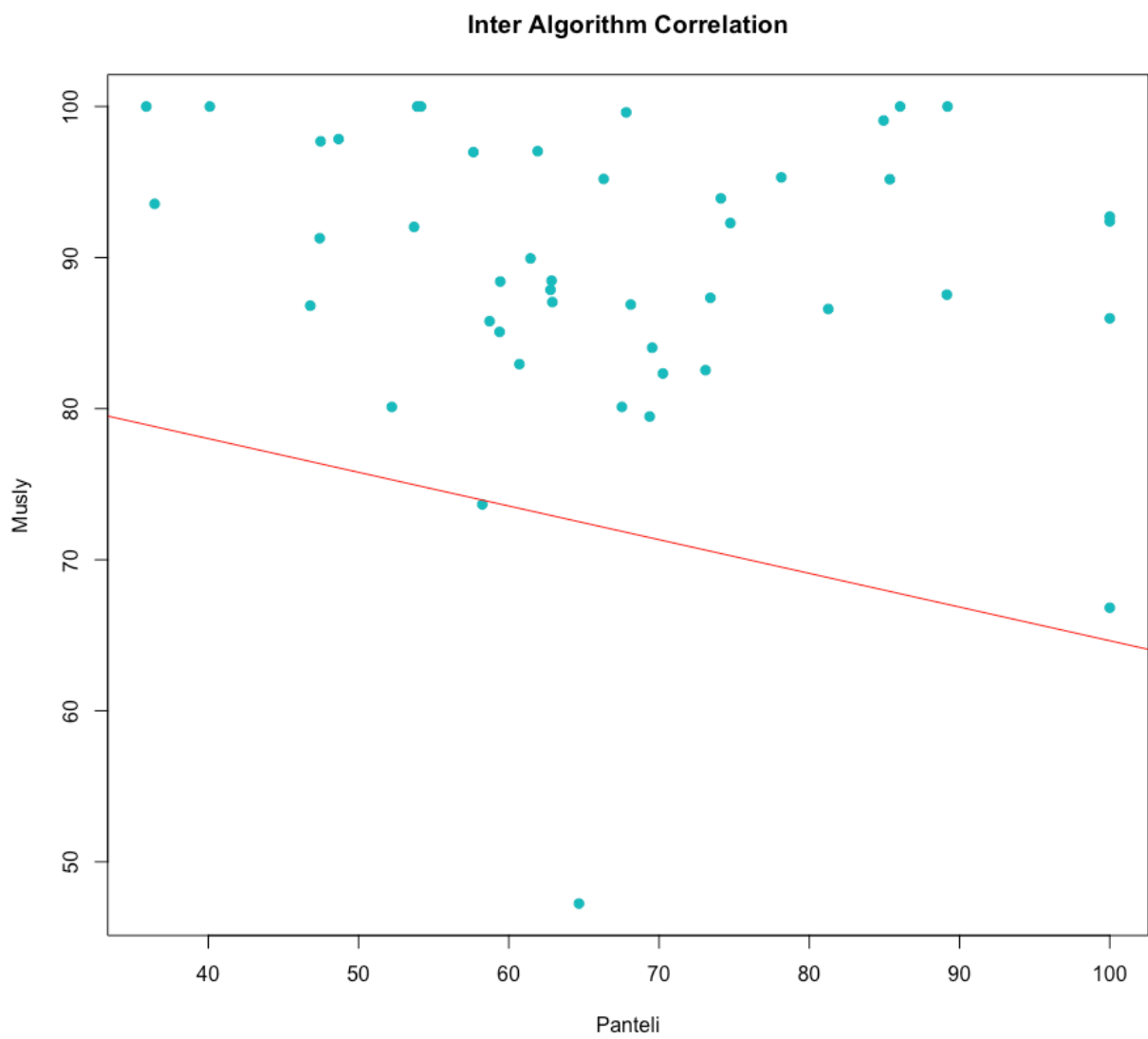
Significance: 0.76782

Upper quantiles of permutations (null model):

90%	95%	97.5%	99%
0.239	0.308	0.366	0.425

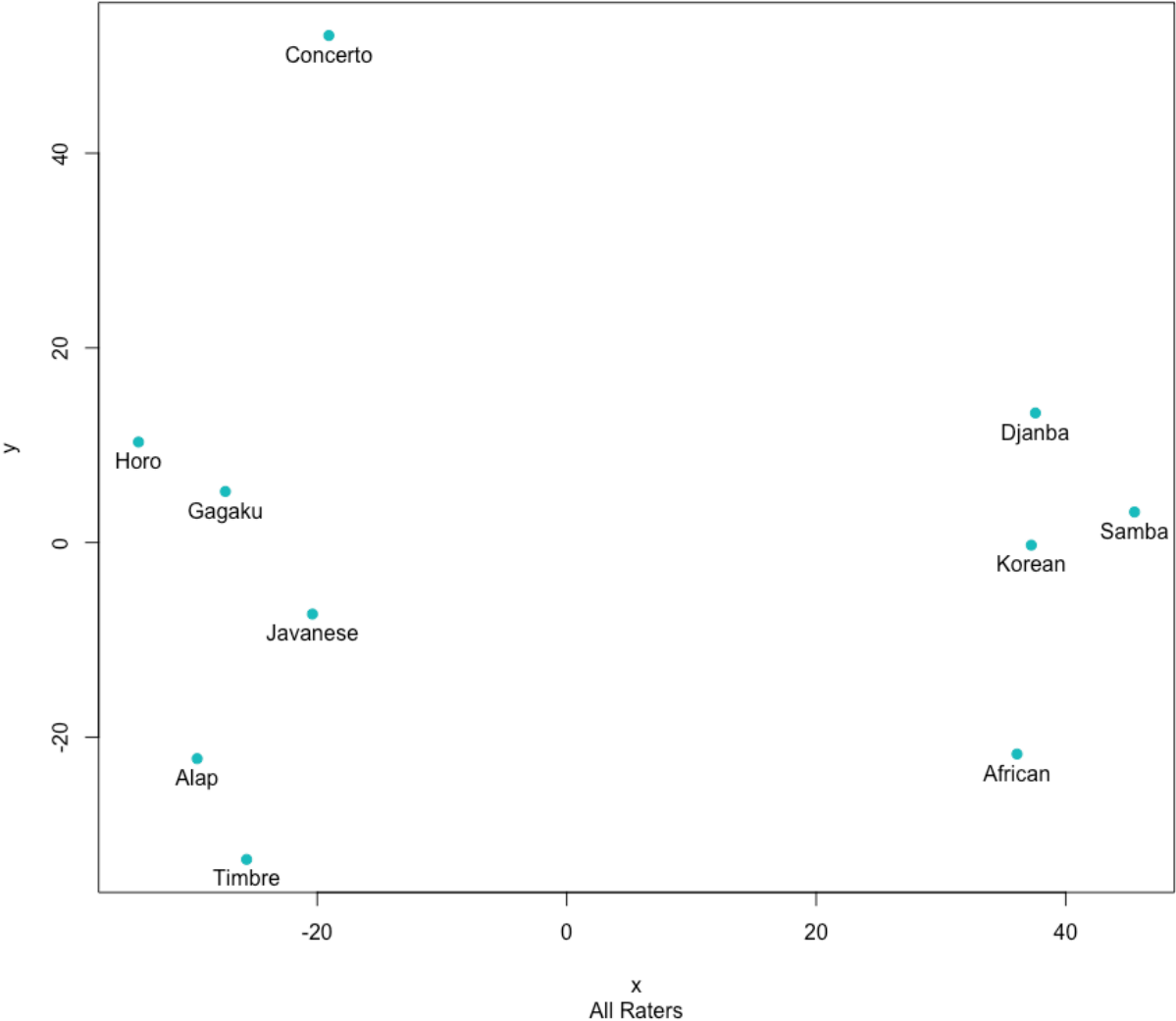
Permutation: free

Number of permutations: 10000

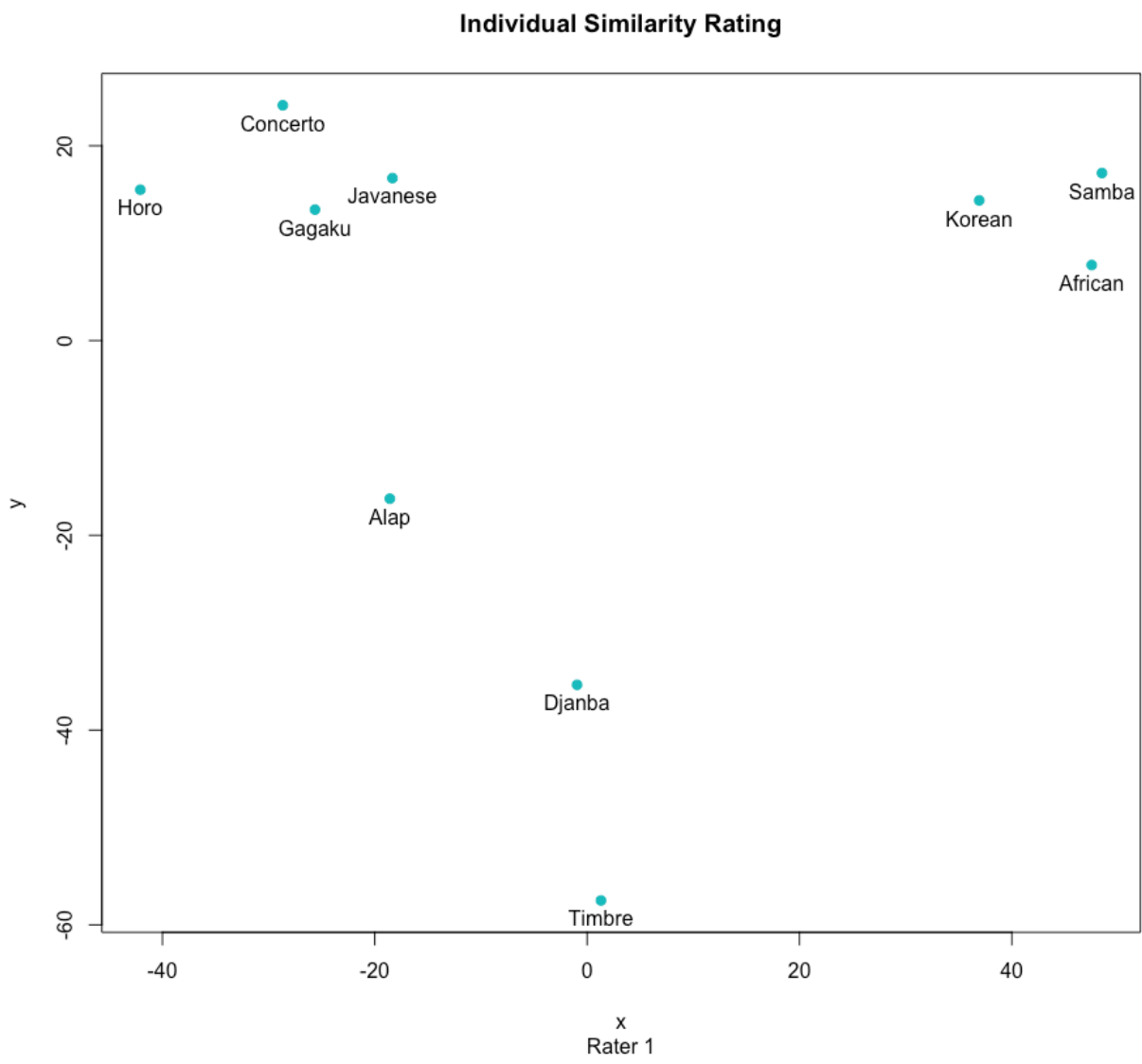


Average

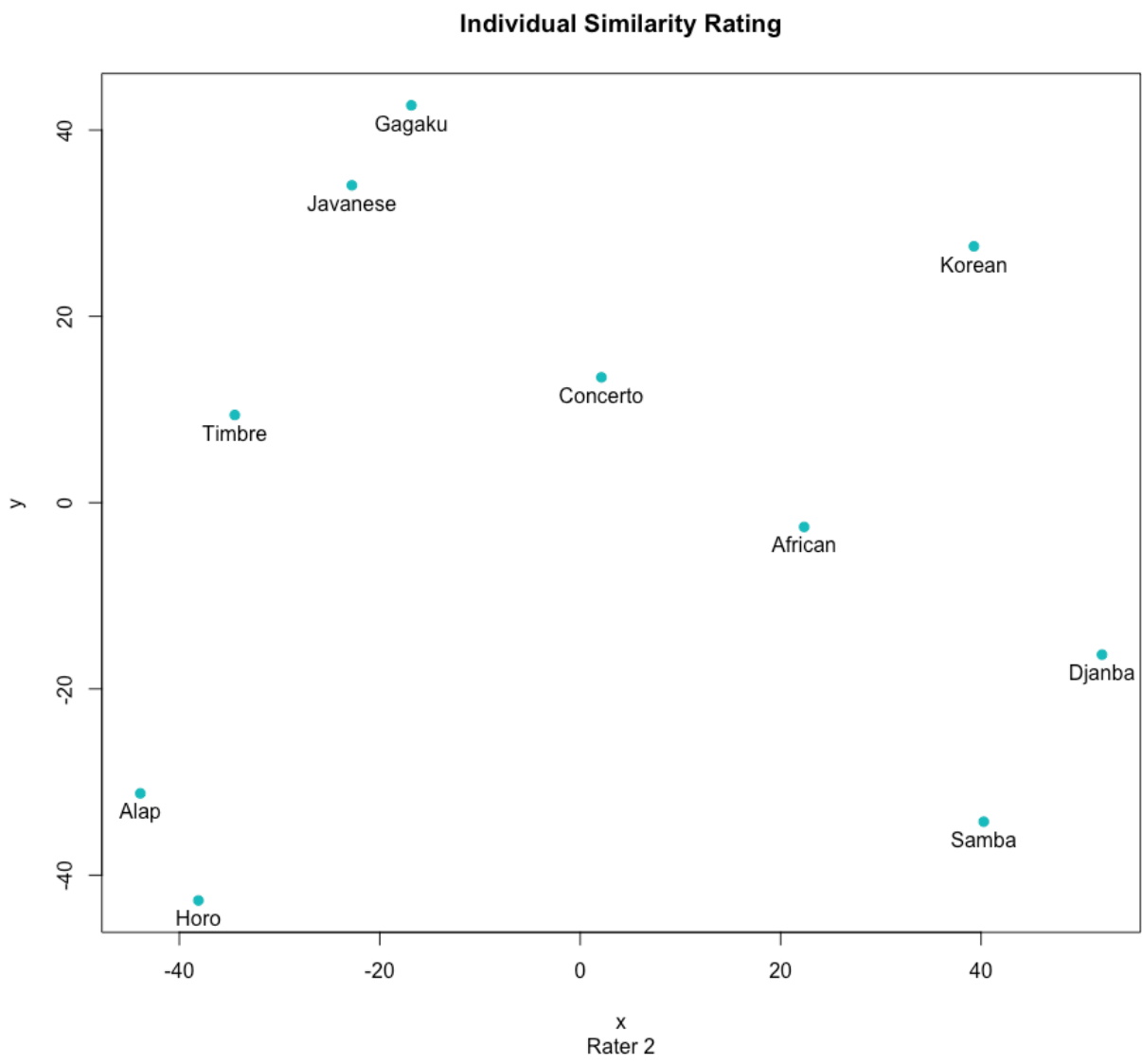
Average Similarity Rating



Rater 1



Rater 2



Rater 3

Individual Similarity Rating

