

Supplementary Materials

Table S1. Summary of Statistical Analysis.

Treatment	Mean2011	CI95.2011	Mean2017	CI95.2017	Estimate	Std.Error	t.value	p
DbiLay								
ACQ q	9.1	0.9	7.5	1.1	0.2	0.1	3.042	0.003
Azole q	9.5	0.6	7.7	0.6	0.1	0.8	0.109	0.913
CCA q	10	0	9.1	0.2	1.4	0.8	1.737	0.083
HFK	5.9	2	5.6	1.7	-1.2	0.8	-1.525	0.128
none	9.9	0.2	8.5	0.4	0.8	0.8	1.062	0.289
TBTN q	9.7	0.4	7.1	0.5	-0.6	0.8	-0.76	0.448
water	4.5	2.1	3.7	2.1	-2.8	0.8	-3.399	0.001
Deck1m								
ACQ q	10	0	9.7	0.5	2	0.8	2.459	0.014
Azole q	9.8	0.3	8.7	0.3	-1	1.1	-0.927	0.355
CCA q	10	0	9.1	0.6	-2	1.1	-1.734	0.084
HFK	9.7	0.3	2.9	2.9	-5.5	1.1	-4.821	0
none	10	0	9.9	0.2	-0.6	1.1	-0.556	0.579
TBTN q	9.8	0.5	8.8	0.7	-0.3	1.1	-0.237	0.812
water	9.5	0.8	2.9	2.9	-3.8	1.2	-3.316	0.001
DeckGL								
ACQ q	10	0	8.4	1.2	0.7	0.8	0.829	0.408
Azole q	9.9	0.2	7.3	1	-1.2	1.1	-1.035	0.302
CCA q	10	0	9.1	0.4	-0.7	1.1	-0.579	0.563
HFK	7.5	2.3	4	1.9	-2.6	1.1	-2.343	0.02
none	9.9	0.2	8.8	0.5	-0.4	1.1	-0.359	0.72
TBTN q	9.9	0.2	7.7	0.5	-0.1	1.1	-0.079	0.937
water	7.2	2	1.6	1.5	-3.4	1.1	-2.966	0.003
FlatP								
ACQ q	9.3	1.1	6.6	1.8	-1	0.8	-1.245	0.214
Azole q	9.9	0.2	7.3	1.5	0.5	1.1	0.433	0.665
CCA q	10	0	8.2	1.3	0.1	1.1	0.088	0.93
HFK	7.8	2.4	0	0	-5	1.1	-4.468	0
none	10	0	9.9	0.2	2.3	1.1	2.069	0.039
TBTN q	10	0	8.3	1.2	2.1	1.1	1.905	0.058
water	9.7	0.5	1.9	2.3	-1.9	1.2	-1.646	0.101
GProx								
ACQ q	7.4	0.8	1.6	1.5	-5.6	0.8	-6.951	0
Azole q	7.5	1	1.5	1.7	-0.2	1.2	-0.178	0.859
CCA q	9.4	0.8	4.8	1.5	1.4	1.1	1.262	0.208
HFK	6.3	0.9	0.4	0.9	0.3	1.1	0.234	0.815
none	9.7	0.5	7.1	0.9	4.2	1.1	3.707	0
TBTN q	7	1.2	0.4	0.9	-0.5	1.1	-0.466	0.642
water	4.2	2.4	0	0	1.9	1.1	1.684	0.093

Means $\pm$ 95% confidence intervals for five test types and seven treatments on scores from 2011 and 2017. Estimated regression coefficients from a least squares linear regression are also displayed. The regression model predicts scores from 2017 with predictor variables of scores in 2011 and interactive fixed effects of Treatment and Test type. Root mean square error is 1.724. R^2 is 0.779.

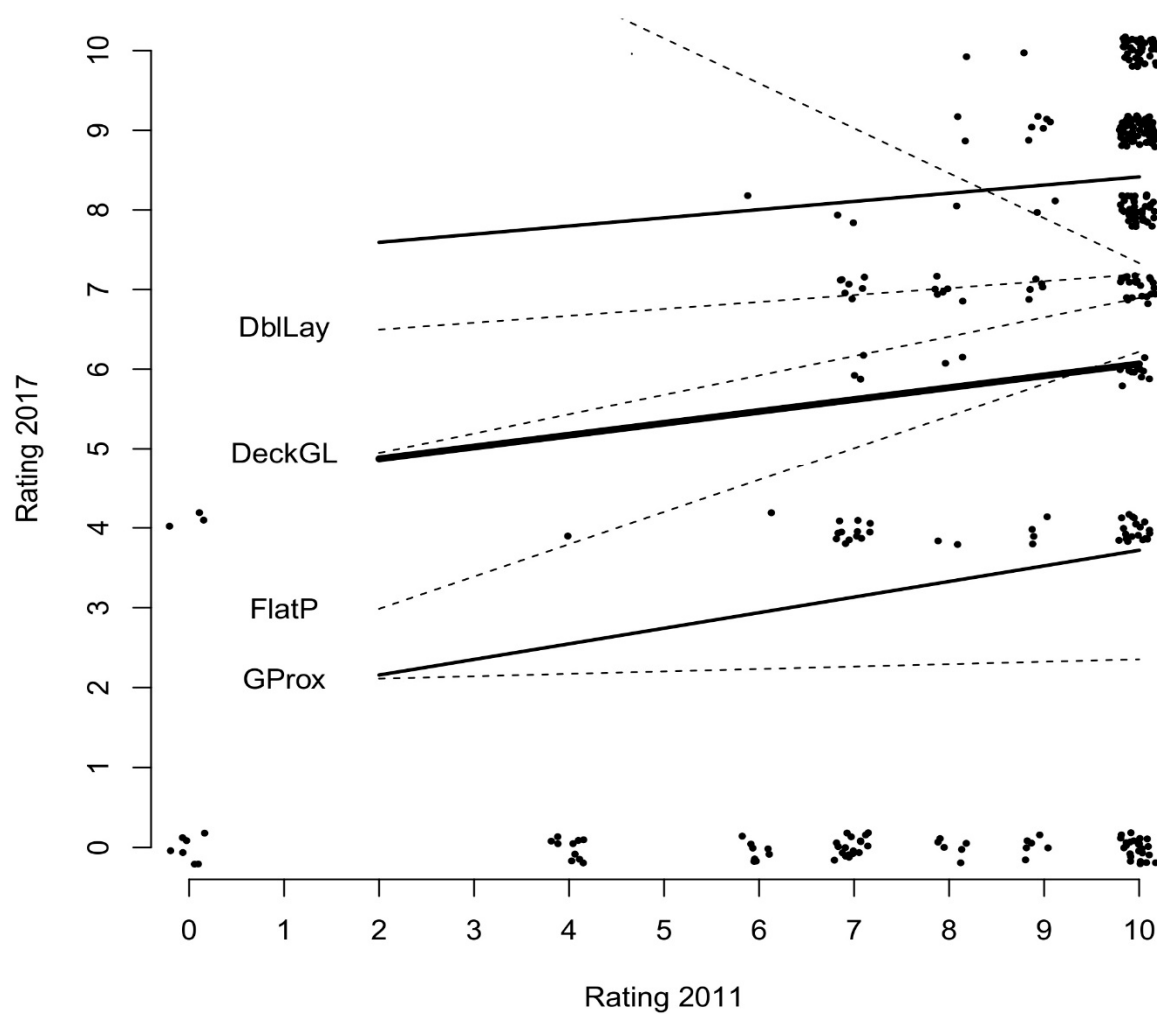


Figure S1. Decay scores in 2017 were predicted from a mixed-effects regression (conditional on treatment as a random effect; $R^2 = 0.68$, RMSE = 2.08).



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