

# SUPPLEMENTARY TABLE S4

## ANALYSIS RESULTS FOR RATINGS OF THE DIMENSIONAL IMPORTANCE OF THE 18 SUCCESS INDICATORS

Bonferroni post hoc pairwise comparisons

Statement	Mean rating for each dimension	Result*	Career vs Science	Career vs Satisfaction	Science vs Satisfaction
Publishing papers is...	Career: 4.52 Science: 4.37 Satisfaction: 3.90	(SA) $F(2,250) = 38.188, p < 0.001$	$p = 0.048$ md = 0.151	$p < 0.001$ md = 0.627	$p < 0.001$ md = 0.479
Publishing in high impact journals is...	Career: 4.31 Science: 3.73 Satisfaction: 3.67	(SA) $F(2,250) = 36.701, p < 0.001$	$p < 0.001$ md = 0.579	$p < 0.001$ md = 0.643	$p = 0.444$ md = 0.063
Publishing commentaries or editorials is...	Career: 3.48 Science: 3.70 Satisfaction: 3.34	(SA) $F(2,250) = 14.538, p < 0.001$	$p = 0.002$ md = -0.222	$p = 0.049$ md = 0.135	$p < 0.001$ md = 0.357
Publishing more papers than others is...	Career: 3.83 Science: 2.89 Satisfaction: 3.01	(GG) $F(1.779,222.388) = 70.233, p < 0.001$	$p < 0.001$ md = 0.944	$p < 0.001$ md = 0.825	$p = 0.092$ md = -.119
Publishing open access is...	Career: 3.48 Science: 4.35 Satisfaction: 3.67	(SA) $F(2,250) = 62.624, p < 0.001$	$p < 0.001$ md = -0.865	$p = 0.025$ md = -0.190	$p < 0.001$ md = 0.675
Peer reviewing is...	Career: 3.39 Science: 4.43 Satisfaction: 3.47	(SA) $F(2,250) = 81.399, p < 0.001$	$p < 0.001$ md = -1.040	$p = 0.386$ md = -0.079	$p < 0.001$ md = -0.960
Replicating past research is...	Career: 2.83 Science: 3.98 Satisfaction: 3.09	(GG) $F(1.847,230.832) = 81.530, p < 0.001$	$p < 0.001$ md = -1.151	$p = 0.008$ md = -0.254	$p < 0.001$ md = -0.897
Publishing findings that did not work (i.e., negative findings) is...	Career: 2.84 Science: 4.48 Satisfaction: 3.61	(GG) $F(1.820, 227.487) = 187.113, p < 0.001$	$p < 0.001$ md = -1.643	$p < 0.001$ md = -0.770	$p < 0.001$ md = 0.873
Sharing your full data and detailed methods is...	Career: 3.29 Science: 4.40 Satisfaction: 3.67	(GG) $F(1.906,238.310) = 106.656$	$p < 0.001$ md = -1.119	$p < 0.001$ md = -0.389	$p < 0.001$ md = 0.730
Reviewing raw data from students and collaborators is...	Career: 3.37 Science: 4.20 Satisfaction: 3.64	(SA) $F(2,250) = 50.707, p < 0.001$	$p < 0.001$ md = -0.825	$p = 0.003$ md = -0.270	$p < 0.001$ md = 0.556
Conducting innovative research with a high risks of failure is...	Career: 3.29 Science: 4.47 Satisfaction: 3.91	(GG) $F(1.614, 201.766) = 66.452, p < 0.001$	$p < 0.001$ md = -1.175	$p < 0.001$ md = -0.619	$p < 0.001$ md = 0.556
Connecting with renowned researchers is...	Career: 4.35 Science: 3.91 Satisfaction: 3.98	(SA) $F(2,250) = 24.566, p < 0.001$	$p < 0.001$ md = 0.437	$p < 0.001$ md = 0.373	$p = 0.304$ md = -0.063
Collaborating across borders, disciplines, and sectors is...	Career: 4.25 Science: 4.64 Satisfaction: 4.36	(GG) $F(1.558,195.781) = 14.565, p < 0.001$	$p < 0.001$ md = -0.389	$p = 0.235$ md = -0.103	$p < 0.001$ md = 0.286
Getting cited in scientific literature is...	Career: 4.46 Science: 3.66 Satisfaction: 3.98	(GG) $F(1.890,236.280) = 55.630, p < 0.001$	$p < 0.001$ md = 0.802	$p < 0.001$ md = 0.484	$p < 0.001$ md = -0.317

Having your papers read and downloaded is...	Career: 3.90 Science: 3.90 Satisfaction: 4.10	(SA) $F(2,250) = 4.873, p = 0.008$	$p = 1.000$ md = 0.000	$p = 0.011$ md = -0.206	$p = 0.003$ md = -0.206
Having public outreach (e.g., social media, news, etc.) is...	Career: 3.84 Science: 3.77 Satisfaction: 3.72	(SA) $F(2,250) = 1.251, p = 0.288$	————	————	————
Having your results used or implemented in practice is...	Career: 4.02 Science: 4.26 Satisfaction: 4.37	(SA) $F(2,250) = 12.875, p < 0.001$	$p = 0.001$ md = -0.238	$p < 0.001$ md = -0.341	$p = 0.118$ md = -0.103
Having luck is...	Career: 4.27 Science: 4.02 Satisfaction: 3.39	(SA) $F(2,250) = 14.229, p < 0.001$	$p < 0.001$ md = 0.246	$p < 0.001$ md = 0.381	$p = 0.091$ md = 0.135

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\* We report Greenhouse-Geisser (GG) tests when the results of Mauchly's test of sphericity could not confirm the sphericity of the data. Otherwise, Sphericity Assumed (SA) tests are reported. md = mean difference

