Analysis: Part Two

January 08, 2021

1 Mediation Model 1

1.1 Calculate Total Effect

Table 1: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.395	0.082	0.000
sex	-0.128	0.069	0.066
race	0.282	0.080	0.000
age	0.006	0.039	0.876
baseline HED	0.413	0.029	0.000
baseline social desirability	-0.027	0.039	0.484
baseline impulsivity	0.049	0.034	0.149
lifestress	0.080	0.028	0.004
injunctive workplace norms	0.038	0.031	0.227
qualitative role overload	0.070	0.030	0.020
quantitative role overload	0.117	0.025	0.000

Table 2: Outcome: RAPI; N = 914

Parameter	Estimates	SE	p-value
(Intercept)	0.823	0.121	0.000
sex	-0.193	0.102	0.058
race	-0.137	0.107	0.201
age	0.091	0.054	0.092
baseline rutgers	0.276	0.043	0.000
baseline social desirability	-0.052	0.061	0.393
baseline impulsivity	0.150	0.057	0.009
lifestress	0.155	0.047	0.001
injunctive workplace norms	0.144	0.041	0.000
qualitative role overload	0.065	0.036	0.068
quantitative role overload	0.126	0.053	0.018

1.2 Calculate Mediated Effect

Table 3: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.396	0.082	0.000
sex	-0.129	0.070	0.064
race	0.282	0.080	0.000
age	0.006	0.039	0.879
baseline HED	0.413	0.030	0.000
baseline social desirability	-0.027	0.039	0.484
baseline impulsivity	0.048	0.035	0.178
lifestress	0.079	0.029	0.007
injunctive workplace norms	0.037	0.031	0.233
qualitative role overload	0.070	0.031	0.024
quantitative role overload	0.116	0.025	0.000
DASS	0.004	0.030	0.880

Table 4: Outcome: DASS; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	-0.078	0.050	0.121
sex	0.198	0.046	0.000
race	-0.049	0.052	0.349
age	0.009	0.024	0.706
baseline HED	-0.065	0.021	0.002
baseline social desirability	-0.078	0.023	0.001
baseline impulsivity	0.278	0.026	0.000
lifestress	0.191	0.021	0.000
injunctive workplace norms	0.032	0.018	0.083
qualitative role overload	0.099	0.021	0.000
quantitative role overload	0.088	0.020	0.000

Table 5: Outcome: RAPI; N = 913

Parameter	Estimates	SE	p-value
(Intercept)	0.830	0.115	0.000
sex	-0.269	0.099	0.007
race	-0.115	0.103	0.262
age	0.093	0.052	0.072
baseline rutgers	0.284	0.038	0.000
baseline social desirability	-0.040	0.059	0.494
baseline impulsivity	0.083	0.058	0.153
lifestress	0.099	0.050	0.050
injunctive workplace norms	0.136	0.040	0.001
qualitative role overload	0.046	0.036	0.201
quantitative role overload	0.093	0.050	0.067
DASS	0.234	0.045	0.000

Table 6: Outcome: DASS; N = 951

Parameter	Estimates	SE	p-value
(Intercept)	-0.111	0.053	0.036
sex	0.250	0.050	0.000
race	-0.069	0.054	0.206
age	-0.008	0.026	0.769
baseline rutgers	0.006	0.025	0.804
baseline social desirability	-0.058	0.025	0.020
baseline impulsivity	0.257	0.030	0.000
lifestress	0.196	0.023	0.000
injunctive workplace norms	0.036	0.020	0.065
qualitative role overload	0.090	0.023	0.000
quantitative role overload	0.085	0.023	0.000

Table 7: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	5e-04	-0.0054	0.0067

Table 8: DASS-mediated effect of Quantitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	4e-04	-0.005	0.0057

Table 9: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (RAPI score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0202	0.008	0.035

Table 10: DASS-mediated effect of Quantitative Role Overload on Drinking Outcome (RAPI score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0191	0.0078	0.0325

2 Mediation Model 2

2.1 Calculate Total Effect

Table 11: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.379	0.086	0.000
sex	-0.129	0.070	0.064
race	0.278	0.080	0.000
age	0.005	0.039	0.906
baseline HED	0.413	0.029	0.000
baseline social desirability	-0.027	0.038	0.481
baseline impulsivity	0.051	0.035	0.140
lifestress	0.080	0.027	0.003
injunctive workplace norms	0.009	0.030	0.765
time	0.033	0.037	0.371
qualitative role overload	0.148	0.036	0.000
quantitative role overload	0.107	0.027	0.000
time x qualitative role overload	-0.152	0.044	0.001
time x quantitative role overload	0.019	0.033	0.568
injunctive workplace norms x time	0.064	0.042	0.124

Table 12: Outcome: RAPI; N = 914

Parameter	Estimates	SE	p-value
(Intercept)	0.735	0.122	0.000
sex	-0.186	0.103	0.072
race	-0.136	0.108	0.208
age	0.089	0.053	0.094
baseline rutgers	0.274	0.044	0.000
baseline social desirability	-0.055	0.063	0.381
baseline impulsivity	0.153	0.059	0.009
lifestress	0.161	0.046	0.001
injunctive workplace norms	0.143	0.042	0.001
time	0.160	0.060	0.007
qualitative role overload	0.133	0.051	0.009
quantitative role overload	0.111	0.061	0.067
time x qualitative role overload	-0.133	0.070	0.060
time x quantitative role overload	0.035	0.070	0.619
injunctive workplace norms x time	0.001	0.063	0.982

2.2 Calculate Mediated Effect

Table 13: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.380	0.086	0.000
sex	-0.132	0.070	0.059
race	0.279	0.080	0.000
age	0.004	0.039	0.909
baseline HED	0.414	0.030	0.000
baseline social desirability	-0.026	0.038	0.489
baseline impulsivity	0.048	0.036	0.174
lifestress	0.079	0.029	0.006
injunctive workplace norms	0.009	0.030	0.767
time	0.034	0.037	0.366
qualitative role overload	0.147	0.036	0.000
quantitative role overload	0.107	0.027	0.000
DASS	0.003	0.034	0.927
time x qualitative role overload	-0.153	0.044	0.000
time x quantitative role overload	0.018	0.033	0.583
injunctive workplace norms x time	0.063	0.042	0.131
time x DASS	0.011	0.037	0.769

Table 14: Outcome: DASS; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	-0.081	0.052	0.120
sex	0.197	0.046	0.000
race	-0.049	0.052	0.349
age	0.009	0.024	0.715
baseline HED	-0.064	0.021	0.002
baseline social desirability	-0.078	0.023	0.001
baseline impulsivity	0.277	0.026	0.000
lifestress	0.190	0.021	0.000
injunctive workplace norms	0.024	0.025	0.336
time	0.007	0.027	0.790
qualitative role overload	0.086	0.026	0.001
quantitative role overload	0.083	0.026	0.002
time x qualitative role overload	0.028	0.032	0.386
time x quantitative role overload	0.010	0.031	0.735
injunctive workplace norms x time	0.014	0.032	0.661

Table 15: Outcome: RAPI; N = 913

Parameter	Estimates	SE	p-value
(Intercept)	0.745	0.118	0.000
sex	-0.265	0.100	0.008
race	-0.116	0.105	0.267
age	0.093	0.051	0.069
baseline rutgers	0.285	0.039	0.000
baseline social desirability	-0.043	0.061	0.484
baseline impulsivity	0.082	0.059	0.160
lifestress	0.107	0.048	0.027
injunctive workplace norms	0.131	0.042	0.002
time	0.150	0.059	0.011
qualitative role overload	0.123	0.050	0.014
quantitative role overload	0.074	0.059	0.216
DASS	0.215	0.045	0.000
time x qualitative role overload	-0.166	0.069	0.016
time x quantitative role overload	0.044	0.068	0.520
injunctive workplace norms x time	0.012	0.062	0.841
time x DASS	0.064	0.058	0.272

Table 16: Outcome: DASS; N = 951

Parameter	Estimates	SE	p-value
(Intercept)	-0.117	0.055	0.035
sex	0.249	0.050	0.000
race	-0.069	0.054	0.208
age	-0.008	0.026	0.766
baseline rutgers	0.006	0.025	0.802
baseline social desirability	-0.059	0.025	0.019
baseline impulsivity	0.257	0.030	0.000
lifestress	0.195	0.023	0.000
injunctive workplace norms	0.034	0.027	0.210
time	0.013	0.030	0.671
qualitative role overload	0.075	0.030	0.012
quantitative role overload	0.086	0.029	0.003
time x qualitative role overload	0.029	0.036	0.408
time x quantitative role overload	-0.001	0.032	0.963
injunctive workplace norms x time	0.003	0.034	0.923

Table 17: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase	0.0003	-0.0055	0.0066
Late Onboarding Phase	0.0017	-0.0071	0.0106

Table 18: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase	0.0003	-0.0055	0.0064
Late Onboarding Phase	0.0013	-0.0060	0.0085

Table 19: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (RAPI score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase	0.0152	0.0024	0.0314
Late Onboarding Phase	0.0283	0.0106	0.0501

Table 20: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (RAPI score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase	0.0174	0.0052	0.0323
Late Onboarding Phase	0.0225	0.0069	0.0414

3 Mediation Model 3

3.1 Calculate Total Effect

Table 21: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.379	0.086	0.000
sex	-0.129	0.070	0.064
race	0.278	0.080	0.000
age	0.005	0.039	0.906
baseline HED	0.413	0.029	0.000
baseline social desirability	-0.027	0.038	0.481
baseline impulsivity	0.051	0.035	0.140
lifestress	0.080	0.027	0.003
injunctive workplace norms	0.009	0.030	0.765
time	0.033	0.037	0.371
qualitative role overload	0.148	0.036	0.000
quantitative role overload	0.107	0.027	0.000
time x qualitative role overload	-0.152	0.044	0.001
time x quantitative role overload	0.019	0.033	0.568
injunctive workplace norms x time	0.064	0.042	0.124

Table 22: Outcome: RAPI; N = 914

Parameter	Estimates	SE	p-value
(Intercept)	0.735	0.122	0.000
sex	-0.186	0.103	0.072
race	-0.136	0.108	0.208
age	0.089	0.053	0.094
baseline rutgers	0.274	0.044	0.000
baseline social desirability	-0.055	0.063	0.381
baseline impulsivity	0.153	0.059	0.009
lifestress	0.161	0.046	0.001
injunctive workplace norms	0.143	0.042	0.001
time	0.160	0.060	0.007
qualitative role overload	0.133	0.051	0.009
quantitative role overload	0.111	0.061	0.067
time x qualitative role overload	-0.133	0.070	0.060
time x quantitative role overload	0.035	0.070	0.619
injunctive workplace norms x time	0.001	0.063	0.982

3.2 Calculate Mediated Effect

Table 23: Outcome: Count of past-month heavy drinking days; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	0.461	0.090	0.000
sex	-0.138	0.070	0.047
race	0.271	0.080	0.001
age	0.009	0.038	0.808
baseline HED	0.416	0.030	0.000
baseline social desirability	-0.023	0.038	0.550
baseline impulsivity	0.042	0.036	0.236
lifestress	0.081	0.028	0.004
injunctive workplace norms	0.009	0.030	0.761
time	0.009	0.050	0.853
qualitative role overload	0.142	0.038	0.000
quantitative role overload	0.106	0.027	0.000
DASS	0.069	0.042	0.101
I(DASS * DASS)	-0.074	0.027	0.007
time x qualitative role overload	-0.150	0.044	0.001
time x quantitative role overload	0.019	0.033	0.575
injunctive workplace norms x time	0.063	0.041	0.128
time x DASS	-0.008	0.045	0.850
time x I(DASS * DASS)	0.021	0.036	0.564

Table 24: Outcome: DASS; N = 1143

Parameter	Estimates	SE	p-value
(Intercept)	-0.081	0.052	0.120
sex	0.197	0.046	0.000
race	-0.049	0.052	0.349
age	0.009	0.024	0.715
baseline HED	-0.064	0.021	0.002
baseline social desirability	-0.078	0.023	0.001
baseline impulsivity	0.277	0.026	0.000
lifestress	0.190	0.021	0.000
injunctive workplace norms	0.024	0.025	0.336
time	0.007	0.027	0.790
qualitative role overload	0.086	0.026	0.001
quantitative role overload	0.083	0.026	0.002
time x qualitative role overload	0.028	0.032	0.386
time x quantitative role overload	0.010	0.031	0.735
injunctive workplace norms x time	0.014	0.032	0.661

Table 25: Outcome: RAPI; N = 913

Parameter	Estimates	SE	p-value
(Intercept)	0.811	0.121	0.000
sex	-0.256	0.100	0.011
race	-0.118	0.105	0.259
age	0.096	0.051	0.058
baseline rutgers	0.284	0.041	0.000
baseline social desirability	-0.041	0.062	0.511
baseline impulsivity	0.080	0.059	0.177
lifestress	0.112	0.049	0.021
injunctive workplace norms	0.129	0.043	0.002
time	0.096	0.082	0.242
qualitative role overload	0.106	0.050	0.034
quantitative role overload	0.070	0.060	0.238
DASS	0.320	0.061	0.000
I(DASS * DASS)	-0.083	0.030	0.006
time x qualitative role overload	-0.152	0.068	0.026
time x quantitative role overload	0.047	0.069	0.499
injunctive workplace norms x time	0.016	0.060	0.797
time x DASS	-0.013	0.083	0.871
time x I(DASS * DASS)	0.063	0.058	0.278

Table 26: Outcome: DASS; N = 951

Parameter	Estimates	SE	p-value
(Intercept)	-0.117	0.055	0.035
sex	0.249	0.050	0.000
race	-0.069	0.054	0.208
age	-0.008	0.026	0.766
baseline rutgers	0.006	0.025	0.802
baseline social desirability	-0.059	0.025	0.019
baseline impulsivity	0.257	0.030	0.000
lifestress	0.195	0.023	0.000
injunctive workplace norms	0.034	0.027	0.210
time	0.013	0.030	0.671
qualitative role overload	0.075	0.030	0.012
quantitative role overload	0.086	0.029	0.003
time x qualitative role overload	0.029	0.036	0.408
time x quantitative role overload	-0.001	0.032	0.963
injunctive workplace norms x time	0.003	0.034	0.923

Table 27: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase, Low DASS	0.0126	0.0021	0.0273
Early Onboarding Phase, Moderate DASS	0.0059	-0.0007	0.0155
Early Onboarding Phase, High DASS	-0.0007	-0.0081	0.0063
Late Onboarding Phase, Low DASS	0.0131	-0.0010	0.0302
Late Onboarding Phase, Moderate DASS	0.0069	-0.0032	0.0182
Late Onboarding Phase, High DASS	0.0008	-0.0092	0.0104

Table 28: DASS-mediated effect of Quantitative Role Overload on Drinking Outcome (No. of Heavy Drinking Days)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase, Low DASS	0.0122	0.0021	0.0264
Early Onboarding Phase, Moderate DASS	0.0057	-0.0006	0.0150
Early Onboarding Phase, High DASS	-0.0007	-0.0079	0.0062
Late Onboarding Phase, Low DASS	0.0106	-0.0007	0.0252
Late Onboarding Phase, Moderate DASS	0.0056	-0.0026	0.0151
Late Onboarding Phase, High DASS	0.0005	-0.0077	0.0084

Table 29: DASS-mediated effect of Qualitative Role Overload on Drinking Outcome (RAPI Score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase, Low DASS	0.0297	0.0051	0.0602
Early Onboarding Phase, Moderate DASS	0.0232	0.0038	0.0461
Early Onboarding Phase, High DASS	0.0166	0.0027	0.0336
Late Onboarding Phase, Low DASS	0.0338	0.0077	0.0680
Late Onboarding Phase, Moderate DASS	0.0313	0.0112	0.0578
Late Onboarding Phase, High DASS	0.0288	0.0110	0.0507

Table 30: DASS-mediated effect of Quantitative Role Overload on Drinking Outcome (RAPI Score)

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Early Onboarding Phase, Low DASS	0.0342	0.0102	0.0641
Early Onboarding Phase, Moderate DASS	0.0266	0.0083	0.0495
Early Onboarding Phase, High DASS	0.0191	0.0057	0.0356
Late Onboarding Phase, Low DASS	0.0264	0.0061	0.0535
Late Onboarding Phase, Moderate DASS	0.0246	0.0078	0.0462
Late Onboarding Phase, High DASS	0.0228	0.0073	0.0415