Analysis: Part 2a (RAPI)

January 26, 2021

Hypotheses

(H1c): The effect of role overload on alcohol misuse is mediated by psychological distress *(see Model 3a and Model 4a; Model 3b and Model 4b)*

Model 3a

Injunctive Norms

Table 1: 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

Descriptive Norms

Table 2: Outcome: RAPI; N = 913

Parameter	Estimates	SE	p-value
(Intercept)	0.814	0.109	0.000
sex	-0.251	0.096	0.009
race	-0.121	0.104	0.244
age	0.081	0.049	0.099
baseline rutgers	0.288	0.038	0.000
baseline social desirability	-0.047	0.058	0.420
baseline impulsivity	0.063	0.052	0.227
lifestress	0.090	0.050	0.075
descriptive workplace norms	0.178	0.047	0.000
qualitative role overload	0.037	0.036	0.300
quantitative role overload	0.086	0.046	0.059
DASS	0.249	0.045	0.000

Model 4a

Table 3: Outcome: DASS; N = 951

Parameter	Estimates	SE	p-value
(Intercept)	-0.103	0.053	0.052
sex	0.241	0.051	0.000
race	-0.072	0.055	0.186
age	-0.009	0.026	0.710
baseline rutgers	0.010	0.025	0.685
baseline social desirability	-0.060	0.025	0.017
baseline impulsivity	0.257	0.029	0.000
lifestress	0.197	0.023	0.000
qualitative role overload	0.092	0.023	0.000
quantitative role overload	0.087	0.023	0.000

Estimate Mediated Effect using Model 3a and Model 4a

Injunctive Norms

Table 4: DASS-mediated effect of Qualitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0207	0.0083	0.0354

Table 5: DASS-mediated effect of Quantitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0194	0.0081	0.0331

Descriptive Norms

Table 6: DASS-mediated effect of Qualitative Role Overload; Norms Covariate: Descriptive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0218	0.009	0.0367

Table 7: DASS-mediated effect of Quantitative Role Overload; Norms Covariate: Descriptive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.0205	0.0088	0.0345