

Exploring the factors that influence workforce participation for people with multiple sclerosis: a discrete choice experiment. Journal of Occupational Rehabilitation

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Online Resource 2:

Comparing multinomial logit models with and without excluded respondents

Main effects model, no respondents excluded

Attribute	Coefficient	SE	z	p
Impact	1.728	0.052	32.97	<0.001
Flexibility	1.021	0.026	39.03	<0.001
Culture	1.362	0.028	48.81	<0.001
Travel	0.878	0.027	32.94	<0.001
Alterations 2	0.483	0.030	16.15	<0.001
Alterations 1	0.819	0.036	22.92	<0.001
Salary	0.003	0.000	18.66	<0.001
Respondents	2381			
Observations	28,572			
AIC	12990.72			
BIC	13048.54			
LR chi ² (7)	6827.88			
Prob > chi ²	<0.001			
Pseudo R ²	0.345			
Log likelihood	-6488.36			

Main effects model, 31 respondents excluded

Attribute	Coefficient	SE	z	p
Impact	1.770	0.053	33.22	<0.001
Flexibility	1.052	0.027	39.30	<0.001
Culture	1.392	0.029	48.70	<0.001
Travel	0.907	0.027	33.24	<0.001
Alterations 2	0.493	0.030	16.26	<0.001
Alterations 1	0.845	0.036	23.23	<0.001
Salary	0.003	0.000	18.76	<0.001
Respondents	2350			
Observations	28,200			
AIC	12654.57			
BIC	12712.30			
LR chi ² (7)	6906.18			
Prob > chi ²	<0.001			
Pseudo R ²	0.353			
Log likelihood	-6320.29			

Model with interactions, no respondents excluded

Attribute	Coefficient	SE	z	p
Impact	1.754	0.065	26.95	<0.001
Flexibility	1.011	0.027	38.12	<0.001
Culture	1.355	0.028	48.45	<0.001
Travel	0.974	0.035	27.94	<0.001
Alterations 2	0.465	0.030	15.45	<0.001
Alterations 1	0.821	0.037	22.47	<0.001
Salary	0.003	0.000	13.22	<0.001
Impact*travel	-0.210	0.046	-4.58	<0.001
Impact*salary	0.141	0.054	2.61	0.009
Respondents	2381			
Observations	28,572			
AIC	12961.46			
BIC	13035.80			
LR chi ² (9)	6861.14			
Prob > chi ²	<0.001			
Pseudo R ²	0.346			
Log likelihood	-6471.73			

Model with interactions, 31 respondents excluded

Attribute	Coefficient	SE	z	p
Impact	1.787	0.066	26.94	<0.001
Flexibility	1.041	0.027	38.34	<0.001
Culture	1.384	0.029	48.34	<0.001
Travel	0.998	0.036	28.05	<0.001
Alterations 2	0.475	0.031	15.55	<0.001
Alterations 1	0.848	0.037	22.78	<0.001
Salary	0.003	0.000	13.23	<0.001
Impact*travel	-0.200	0.047	-4.29	<0.001
Impact*salary	0.147	0.055	2.67	0.008
Respondents	2350			
Observations	28,200			
AIC	12627.62			
BIC	12701.84			
LR chi ² (9)	6937.13			
Prob > chi ²	<0.001			
Pseudo R ²	0.355			
Log likelihood	-6304.81			

SE = standard error; AIC = Akaike Information Criterion; BIC = Bayesian Information Criterion; LR = likelihood ratio.