Multinomial Logistic Regression Results _ all treatments

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Accuracy: 0.48491155046826223

Classification Report:

	precision	recall	f1-score	support
A	0.45	0.61	0.52	320
B	0.52	0.65	0.58	414
Other	0.33	0.00	0.01	227
accuracy			0.48	961
macro avg	0.43	0.42	0.37	961
weighted avg	0.45	0.48	0.42	961

Intercept:

[0.45184296 0.12651061 -0.57835357]

Exponential coefficients:

		Price_UR_A	**Price_UN_A**	Price_O_A	**EV_A**	**Price_UR_B**	**Price_UN_B**	\
(A)	0	0.862318	0.953639	0.956702	1.067082	1.038130	1.041525	
(B)	1	1.082497	1.076767	1.014274	0.943450	0.918117	0.934189	
(Other)	2	1.071287	0.973854	1.030547	0.993307	1.049180	1.027769	

	Price_O_B	**EV_B**	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0	\
0	1.024830	0.942609	0.935206	0.958863	1.015143	
1	0.948229	1.093447	1.010064	0.972885	0.887634	
2	1.029045	0.970221	1.058629	1.071969	1.109786	

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	**Revenue_B_5.0**
0	1.574692	1.004069	1.022521	1.024441	0.738731
1	0.629684	1.017305	1.242633	1.175495	1.692138
2	1.008513	0.979006	0.787019	0.830409	0.799978

predicted_A	predicted_B	predicted_Other
A	196	123	1
B	144	269	1
Other	97	129	1

The interpretation of the exponentiated coefficients is for a single unit change in the predictor variable, the odds will be multiplied by a factor indicated by the exponent of the beta coefficient, given that all other variables are held constant.

In this analysis with all treatments together, the first variable is **Price_UR_A** with a value of 0.86. This means that if Price_UR_A increases by one unit the odds of choosing option A as preferred policy choice is 86% compared to the status when Price_UR_A did not increase by one unit (so it lowers when the price raises).
Whereas the odds of choosing option B is 108% (so it increases when the price of option A raises).
A similar behaviour is observed for variable **Price_UN_A** .
On the contrary, if **EV_A** increases by one unit the odds of choosing option A is 107% and of choosing option B is 95% compared to the status when EV_A did not increase (probabilities of choosing an option with increased discount for electric vehicles increase).

A symmetric effect is observed for the variables describing option B: an increase in P**rice_UR_B** and **Price_UN_B** lead to a decrease in the probabilities of choosing option B (92%, 93%) , while an increase in **EV_B** leads to a increase in the probability of choosing B (109%).

Another significative variable (p<0.05) is the categorical variable referring to the **revenue alternative "Investments in public transport, walking and cycling"**. When option A contains this revenue alternative the odds of choosing option A are 153% and of choosing option B are 63%, compared to when this revenue alternative is not there. Symmetrically, when option B contains this revenue alternative the odds of choosing option A are 74% and of choosing option B are 169%, compared to when this revenue alternative is not there.

MNLogit Regression Results _ all treatments

Dep. Variable:	policy_choice	No. Observations:		3844		
Model:	MNLogit	Df Residuals:		3812		
Method:	MLE	Df Model:		30		
Date:	mer, 13 nov 2024	Pseudo R-squ.:		0.04571		
Time:	13:32:46	Log-Likelihood:		-3944.9		
converged:	True	LL-Null:		-4133.9		
Covariance Type:	nonrobust	LLR p-value:		8.014e-62		

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2110**	**0.044**	**4.830**	**0.000**	**0.125**	**0.297**
Price_UN_A	**0.1197**	**0.042**	**2.831**	**0.005**	**0.037**	**0.203**
Price_O_A	0.0451	0.035	1.304	0.192	-0.023	0.113
EV_A	**-0.1403**	**0.034**	**-4.130**	**0.000**	**-0.207**	**-0.074**
Price_UR_B	**-0.1166**	**0.044**	**-2.666**	**0.008**	**-0.202**	**-0.031**
Price_UN_B	**-0.1253**	**0.043**	**-2.944**	**0.003**	**-0.209**	**-0.042**
Price_O_B	**-0.0724**	**0.035**	**-2.093**	**0.036**	**-0.140**	**-0.005**
EV_B	**0.1331**	**0.034**	**3.933**	**0.000**	**0.067**	**0.199**
Revenue_A_2.0	-0.0158	0.119	-0.133	0.894	-0.248	0.217
Revenue_A_3.0	-0.0232	0.121	-0.191	0.849	-0.261	0.214

Revenue_A_4.0	-0.2136	0.123	-1.731	0.084	-0.456	0.028
Revenue_A_5.0	**-0.9186**	**0.126**	**-7.289**	**0.000**	**-1.166**	**-0.672**
Revenue_B_2.0	-0.0461	0.121	-0.381	0.703	-0.283	0.191
Revenue_B_3.0	0.1108	0.122	0.911	0.362	-0.128	0.349
Revenue_B_4.0	0.0342	0.126	0.272	0.786	-0.213	0.281
Revenue_B_5.0	**0.7823**	**0.127**	**6.153**	**0.000**	**0.533**	**1.032**

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.1582**	**0.049**	**3.237**	**0.001**	**0.062**	**0.254**
Price_UN_A	0.0446	0.047	0.940	0.347	-0.048	0.138
Price_O_A	0.0293	0.039	0.761	0.447	-0.046	0.105
EV_A	**-0.1787**	**0.038**	**-4.711**	**0.000**	**-0.253**	**-0.104**
Price_UR_B	0.0195	0.049	0.395	0.693	-0.077	0.116
Price_UN_B	-0.0367	0.047	-0.788	0.431	-0.128	0.055
Price_O_B	-0.0447	0.038	-1.168	0.243	-0.120	0.030
EV_B	-0.0538	0.038	-1.418	0.156	-0.128	0.021
Revenue_A_2.0	0.0451	0.136	0.331	0.741	-0.222	0.313
Revenue_A_3.0	-0.0228	0.136	-0.167	0.867	-0.289	0.244
Revenue_A_4.0	-0.0653	0.141	-0.464	0.643	-0.341	0.211
Revenue_A_5.0	**-0.6355**	**0.139**	**-4.584**	**0.000**	**-0.907**	**-0.364**
Revenue_B_2.0	-0.0617	0.126	-0.490	0.624	-0.308	0.185
Revenue_B_3.0	**-0.3989**	**0.136**	**-2.937**	**0.003**	**-0.665**	**-0.133**
Revenue_B_4.0	-0.1935	0.136	-1.421	0.155	-0.460	0.073
Revenue_B_5.0	0.0472	0.143	0.331	0.741	-0.232	0.326

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Multinomial Logistic Regression Results _ baseline

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Accuracy: 0.5231788079470199

Classification Report:

	precision	recall	f1-score	support
A	0.52	0.60	0.55	55
B	0.56	0.68	0.61	65
Other	0.25	0.06	0.10	31
accuracy			0.52	151
macro avg	0.44	0.45	0.42	151
weighted avg	0.48	0.52	0.49	151

Intercept:
[0.55531176 0.75500853 -1.3103203]

Exponential coefficients:

	Price_UR_A	Price_UN_A	Price_O_A	EV_A	Price_UR_B	Price_UN_B
0	0.872455	0.870624	0.895125	1.070266	1.051443	1.029465
1	1.046422	1.102738	1.000109	0.901450	0.856582	0.983183
2	1.095343	1.041590	1.117041	1.036494	1.110312	0.987994

	Price_O_B	EV_B	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0
0	1.036151	1.035445	0.782693	0.700687	0.982844
1	0.901967	0.989720	1.065974	0.949350	0.994029
2	1.070006	0.975799	1.198566	1.503313	1.023568

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	Revenue_B_5.0
0	1.569593	1.007017	1.249181	0.911420	0.907134
1	0.670040	1.060873	1.062762	1.576449	1.675480
2	0.950851	0.936051	0.753249	0.695988	0.657945

	predicted_A	predicted_B	predicted_Other
A	33	21	1
B	16	44	5
Other	15	14	2

MNLogit Regression Results _ Baseline

Dep. Variable:	policy_choice	No. Observations:	752
Model:	MNLogit	Df Residuals:	720
Method:	MLE	Df Model:	30
Date:	mer, 13 nov 2024	Pseudo R-squ.:	0.06726
Time:	15:13:24	Log-Likelihood:	-747.81
converged:	True	LL-Null:	-801.74
Covariance Type:	nonrobust	LLR p-value:	1.028e-10

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.1994**	**0.101**	**1.979**	**0.048**	**0.002**	**0.397**
Price_UN_A	**0.2567**	**0.099**	**2.590**	**0.010**	**0.062**	**0.451**
Price_O_A	**0.1546**	**0.078**	**1.975**	**0.048**	**0.001**	**0.308**
EV_A	**-0.1695**	**0.079**	**-2.152**	**0.031**	**-0.324**	**-0.015**
Price_UR_B	**-0.2475**	**0.100**	**-2.476**	**0.013**	**-0.443**	**-0.052**
Price_UN_B	-0.0195	0.095	-0.206	0.837	-0.205	0.166
Price_O_B	-0.0899	0.080	-1.130	0.258	-0.246	0.066
EV_B	-0.0189	0.075	-0.251	0.802	-0.166	0.129
Revenue_A_2.0	0.1860	0.271	0.687	0.492	-0.345	0.717
Revenue_A_3.0	0.2895	0.275	1.053	0.292	-0.249	0.828
Revenue_A_4.0	-0.1709	0.280	-0.610	0.542	-0.720	0.378
Revenue_A_5.0	**-0.9248**	**0.284**	**-3.260**	**0.001**	**-1.481**	**-0.369**
Revenue_B_2.0	0.0664	0.285	0.233	0.816	-0.493	0.625
Revenue_B_3.0	-0.2486	0.287	-0.866	0.386	-0.811	0.314
Revenue_B_4.0	0.4139	0.292	1.416	0.157	-0.159	0.987
Revenue_B_5.0	**0.6016**	**0.301**	**1.998**	**0.046**	**0.011**	**1.192**

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2356**	**0.116**	**2.025**	**0.043**	**0.008**	**0.464**
Price_UN_A	0.0743	0.114	0.651	0.515	-0.149	0.298
Price_O_A	0.1145	0.089	1.293	0.196	-0.059	0.288
EV_A	-0.1202	0.089	-1.350	0.177	-0.295	0.054
Price_UR_B	-0.0420	0.115	-0.365	0.715	-0.268	0.184
Price_UN_B	-0.0550	0.109	-0.504	0.614	-0.269	0.159
Price_O_B	-0.0889	0.089	-1.000	0.317	-0.263	0.085
EV_B	-0.1174	0.086	-1.372	0.170	-0.285	0.050
Revenue_A_2.0	0.1470	0.324	0.454	0.650	-0.488	0.782
Revenue_A_3.0	0.3797	0.309	1.229	0.219	-0.226	0.986
Revenue_A_4.0	-0.2924	0.327	-0.895	0.371	-0.932	0.348
Revenue_A_5.0	**-0.7462**	**0.321**	**-2.327**	**0.020**	**-1.375**	**-0.118**
Revenue_B_2.0	-0.1973	0.295	-0.668	0.504	-0.776	0.382
Revenue_B_3.0	**-0.7586**	**0.313**	**-2.426**	**0.015**	**-1.372**	**-0.146**
Revenue_B_4.0	-0.5227	0.325	-1.609	0.108	-1.159	0.114
Revenue_B_5.0	-0.4951	0.342	-1.450	0.147	-1.164	0.174

Multinomial Logistic Regression Results _ pollution

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Accuracy: 0.47297297297297

Classification Report:

	precision	recall	f1-score	support
A	0.50	0.54	0.52	54
B	0.44	0.70	0.54	53
Other	0.67	0.10	0.17	41
accuracy			0.47	148
macro avg	0.54	0.44	0.41	148
weighted avg	0.52	0.47	0.43	148

Intercept:
[0.37220601 0.48796353 -0.86016953]

Exponential coefficients:

	Price_UR_A	Price_UN_A	Price_O_A	EV_A	Price_UR_B	Price_UN_B
0	0.923136	0.909059	0.913592	1.139615	0.962341	1.147454
1	1.134777	1.002980	1.020125	0.952103	1.012829	0.753329
2	0.954606	1.096771	1.072987	0.921632	1.025971	1.156858

	Price_O_B	EV_B	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0
0	1.058758	0.947148	0.920902	1.037158	0.902177
1	0.882696	1.101671	1.030350	0.819183	0.831542
2	1.070020	0.958363	1.053906	1.176994	1.332981

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	Revenue_B_5.0
0	1.576965	0.922358	0.864930	0.902642	0.584257
1	0.672163	1.117266	1.301022	1.213189	1.697238
2	0.943416	0.970384	0.888658	0.913179	1.008448

	predicted_A	predicted_B	predicted_Other
A	29	25	0
B	14	37	2
Other	15	22	4

MNLogit Regression Results _ pollution

Dep. Variable:	policy_choice	No. Observations:	740		
Model:	MNLogit	Df Residuals:	708		
Method:	MLE	Df Model:	30		
Date:	Wed, 13 Nov 2024	Pseudo R-squ.:	0.07562		
Time:	12:42:15	Log-Likelihood:	-734.50		
converged:	True	LL-Null:	-794.58		
Covariance Type:	nonrobust	LLR p-value:	9.559e-13		

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2287**	**0.101**	**2.256**	**0.024**	**0.030**	**0.427**
Price_UN_A	0.1375	0.099	1.389	0.165	-0.057	0.332
Price_O_A	0.0945	0.082	1.156	0.248	-0.066	0.255
EV_A	**-0.2106**	**0.078**	**-2.704**	**0.007**	**-0.363**	**-0.058**
Price_UR_B	0.0489	0.104	0.470	0.638	-0.155	0.253
Price_UN_B	**-0.4229**	**0.105**	**-4.036**	**0.000**	**-0.628**	**-0.218**
Price_O_B	-0.1381	0.080	-1.718	0.086	-0.296	0.019
EV_B	0.1125	0.079	1.418	0.156	-0.043	0.268
Revenue_A_2.0	0.1912	0.276	0.692	0.489	-0.350	0.733
Revenue_A_3.0	-0.2844	0.276	-1.031	0.303	-0.825	0.256
Revenue_A_4.0	-0.0473	0.295	-0.160	0.873	-0.626	0.532
Revenue_A_5.0	**-0.7924**	**0.295**	**-2.690**	**0.007**	**-1.370**	**-0.215**
Revenue_B_2.0	0.1045	0.284	0.368	0.713	-0.452	0.661
Revenue_B_3.0	**0.5186**	**0.286**	**1.814**	**0.070**	**-0.042**	**1.079**
Revenue_B_4.0	0.3234	0.287	1.125	0.261	-0.240	0.887
Revenue_B_5.0	**1.2383**	**0.301**	**4.114**	**0.000**	**0.648**	**1.828**

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	0.0120	0.110	0.110	0.913	-0.203	0.227
Price_UN_A	0.1704	0.109	1.565	0.118	-0.043	0.384
Price_O_A	0.0598	0.090	0.662	0.508	-0.117	0.237
EV_A	**-0.3416**	**0.086**	**-3.966**	**0.000**	**-0.510**	**-0.173**
Price_UR_B	0.0811	0.117	0.696	0.486	-0.147	0.310
Price_UN_B	-0.0685	0.110	-0.622	0.534	-0.284	0.147
Price_O_B	-0.0536	0.087	-0.614	0.539	-0.225	0.117
EV_B	-0.0433	0.088	-0.492	0.622	-0.216	0.129
Revenue_A_2.0	0.2612	0.322	0.811	0.417	-0.370	0.892
Revenue_A_3.0	0.0913	0.316	0.289	0.772	-0.528	0.710
Revenue_A_4.0	0.4736	0.334	1.419	0.156	-0.180	1.127
Revenue_A_5.0	-0.3775	0.333	-1.135	0.257	-1.030	0.275
Revenue_B_2.0	-0.3001	0.297	-1.010	0.313	-0.882	0.282
Revenue_B_3.0	0.0012	0.303	0.004	0.997	-0.593	0.596
Revenue_B_4.0	-0.1592	0.310	-0.513	0.608	-0.767	0.449
Revenue_B_5.0	0.4553	0.327	1.394	0.163	-0.185	1.095

Multinomial Logistic Regression Results _ Public services

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Accuracy: 0.3772455089820359

Classification Report:

	precision	recall	f1-score	support
A	0.48	0.41	0.44	68
B	0.31	0.64	0.42	42
Other	0.38	0.14	0.21	57
accuracy			0.38	167
macro avg	0.39	0.40	0.35	167
weighted avg	0.40	0.38	0.36	167

Intercept:
[0.31351391 0.01326034 -0.32677425]

Exponential coefficients:

	Price_UR_A	Price_UN_A	Price_O_A	EV_A	Price_UR_B	Price_UN_B
0	0.837781	0.972777	0.993273	0.983009	1.042281	1.036548
1	1.098419	1.069541	1.012043	0.999771	0.882423	0.999788
2	1.086680	0.961146	0.994792	1.017518	1.087273	0.964945

	Price_O_B	EV_B	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0
0	1.037179	0.923961	0.872558	0.932642	0.917038
1	0.971465	1.117910	0.836837	1.069080	0.988941
2	0.992474	0.968143	1.369509	1.002940	1.102662

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	Revenue_B_5.0
0	1.617093	1.216165	1.344481	1.407710	0.893082
1	0.662870	0.808140	0.983843	0.790706	1.307811
2	0.932903	1.017468	0.755996	0.898404	0.856177

	predicted_A	predicted_B	predicted_Other
A	28	33	7
B	9	27	6
Other	21	28	8

MNLogit Regression Results _ Public services

Dep. Variable:	policy_choice	No. Observations:	832
Model:	MNLogit	Df Residuals:	800
Method:	MLE	Df Model:	30
Date:	mer, 13 nov 2024	Pseudo R-squ.:	0.04708
Time:	15:15:49	Log-Likelihood:	-867.54
converged:	True	LL-Null:	-910.40
Covariance Type:	nonrobust	LLR p-value:	2.885e-07

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2128**	**0.097**	**2.185**	**0.029**	**0.022**	**0.404**
Price_UN_A	0.1310	0.093	1.405	0.160	-0.052	0.314
Price_O_A	0.0026	0.078	0.033	0.973	-0.150	0.155
EV_A	-0.0401	0.076	-0.529	0.597	-0.189	0.109
Price_UR_B	**-0.2125**	**0.096**	**-2.203**	**0.028**	**-0.402**	**-0.023**
Price_UN_B	0.0027	0.095	0.029	0.977	-0.184	0.189
Price_O_B	-0.0750	0.076	-0.981	0.327	-0.225	0.075
EV_B	**0.1684**	**0.075**	**2.244**	**0.025**	**0.021**	**0.315**
Revenue_A_2.0	-0.0263	0.278	-0.095	0.924	-0.571	0.518
Revenue_A_3.0	0.2043	0.263	0.777	0.437	-0.311	0.719
Revenue_A_4.0	-0.0436	0.275	-0.158	0.874	-0.584	0.496
Revenue_A_5.0	**-0.9082**	**0.283**	**-3.212**	**0.001**	**-1.462**	**-0.354**
Revenue_B_2.0	-0.5047	0.276	-1.829	0.067	-1.046	0.036
Revenue_B_3.0	-0.2755	0.273	-1.010	0.313	-0.810	0.259
Revenue_B_4.0	-0.5272	0.293	-1.799	0.072	-1.102	0.047
Revenue_B_5.0	0.3119	0.296	1.055	0.291	-0.268	0.891

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2059**	**0.101**	**2.038**	**0.042**	**0.008**	**0.404**
Price_UN_A	0.0056	0.098	0.057	0.955	-0.186	0.198
Price_O_A	-0.0377	0.081	-0.467	0.640	-0.196	0.120
EV_A	-0.0457	0.079	-0.582	0.560	-0.200	0.108
Price_UR_B	-0.0426	0.100	-0.425	0.671	-0.239	0.154
Price_UN_B	0.0159	0.097	0.164	0.869	-0.174	0.206
Price_O_B	-0.0282	0.078	-0.361	0.718	-0.182	0.125
EV_B	-0.0054	0.078	-0.069	0.945	-0.158	0.148
Revenue_A_2.0	0.3080	0.284	1.085	0.278	-0.249	0.865
Revenue_A_3.0	-0.2427	0.283	-0.858	0.391	-0.797	0.312
Revenue_A_4.0	-0.0634	0.291	-0.218	0.827	-0.633	0.507
Revenue_A_5.0	**-0.5769**	**0.277**	**-2.080**	**0.038**	**-1.121**	**-0.033**
Revenue_B_2.0	-0.0392	0.272	-0.144	0.886	-0.573	0.495
Revenue_B_3.0	-0.5537	0.287	-1.928	0.054	-1.116	0.009
Revenue_B_4.0	-0.3223	0.298	-1.080	0.280	-0.907	0.263
Revenue_B_5.0	-0.0248	0.314	-0.079	0.937	-0.639	0.590

Multinomial Logistic Regression Results _ Road pricing

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Accuracy: 0.4370860927152318

Classification Report:

	precision	recall	f1-score	support
A	0.46	0.47	0.46	55
B	0.44	0.67	0.53	58
Other	0.20	0.03	0.05	38
accuracy			0.44	151
macro avg	0.36	0.39	0.35	151
weighted avg	0.38	0.44	0.38	151

Intercept:
[-0.49332981 0.56612626 -0.07279645]

Exponential coefficients:

	Price_UR_A	Price_UN_A	Price_O_A	EV_A	Price_UR_B	Price_UN_B
0	0.958414	0.908153	1.014473	1.192311	0.986161	1.048692
1	1.001219	1.119234	1.036142	0.918205	0.877413	0.935889
2	1.042120	0.983830	0.951349	0.913421	1.155708	1.018891

	Price_O_B	EV_B	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0
0	1.024840	1.043787	1.018588	1.079923	1.047921
1	0.991432	1.091632	1.135808	0.999375	0.864676
2	0.984195	0.877631	0.864363	0.926571	1.103616

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	Revenue_B_5.0
0	1.809847	1.111573	1.326756	1.203497	0.769198
1	0.657246	0.853510	1.068942	0.756592	1.333020
2	0.840679	1.054031	0.705107	1.098230	0.975271

	predicted_A	predicted_B	predicted_Other
A	26	27	2
B	17	39	2
Other	14	23	1

MNLogit Regression Results _ Road pricing

Dep. Variable:	policy_choice	No. Observations:	752
Model:	MNLogit	Df Residuals:	720
Method:	MLE	Df Model:	30
Date:	mer, 13 nov 2024	Pseudo R-squ.:	0.05093
Time:	15:16:38	Log-Likelihood:	-765.40
converged:	True	LL-Null:	-806.47
Covariance Type:	nonrobust	LLR p-value:	9.673e-07

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	**0.2374**	**0.101**	**2.353**	**0.019**	**0.040**	**0.435**
Price_UN_A	0.0655	0.096	0.682	0.495	-0.123	0.254
Price_O_A	0.0504	0.080	0.631	0.528	-0.106	0.207
EV_A	**-0.1824**	**0.078**	**-2.331**	**0.020**	**-0.336**	**-0.029**
Price_UR_B	-0.0660	0.101	-0.653	0.514	-0.264	0.132
Price_UN_B	-0.1602	0.095	-1.694	0.090	-0.346	0.025
Price_O_B	0.0392	0.079	0.495	0.621	-0.116	0.194
EV_B	0.0825	0.079	1.038	0.299	-0.073	0.238
Revenue_A_2.0	0.1256	0.265	0.474	0.636	-0.394	0.646
Revenue_A_3.0	0.0171	0.276	0.062	0.951	-0.525	0.559
Revenue_A_4.0	-0.0423	0.280	-0.151	0.880	-0.591	0.506
Revenue_A_5.0	**-1.0131**	**0.284**	**-3.564**	**0.000**	**-1.570**	**-0.456**
Revenue_B_2.0	-0.0301	0.269	-0.112	0.911	-0.558	0.498
Revenue_B_3.0	0.0621	0.275	0.225	0.822	-0.478	0.602
Revenue_B_4.0	-0.3489	0.278	-1.257	0.209	-0.893	0.195
Revenue_B_5.0	**0.5999**	**0.280**	**2.139**	**0.032**	**0.050**	**1.149**

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	0.1550	0.115	1.349	0.177	-0.070	0.380
Price_UN_A	-0.0120	0.110	-0.109	0.913	-0.228	0.204
Price_O_A	-0.0203	0.092	-0.222	0.825	-0.200	0.159
EV_A	**-0.2530**	**0.090**	**-2.799**	**0.005**	**-0.430**	**-0.076**
Price_UR_B	0.0905	0.116	0.783	0.434	-0.136	0.317
Price_UN_B	-0.0837	0.105	-0.798	0.425	-0.289	0.122
Price_O_B	0.0463	0.090	0.513	0.608	-0.131	0.223
EV_B	-0.1343	0.092	-1.459	0.145	-0.315	0.046
Revenue_A_2.0	0.2127	0.308	0.691	0.490	-0.391	0.816
Revenue_A_3.0	-0.0058	0.312	-0.019	0.985	-0.618	0.607
Revenue_A_4.0	0.1374	0.334	0.412	0.681	-0.517	0.791
Revenue_A_5.0	-0.6012	0.318	-1.889	0.059	-1.225	0.023
Revenue_B_2.0	0.1843	0.293	0.629	0.529	-0.390	0.759
Revenue_B_3.0	-0.4438	0.338	-1.311	0.190	-1.107	0.220
Revenue_B_4.0	0.1138	0.302	0.377	0.706	-0.478	0.706
Revenue_B_5.0	0.2697	0.324	0.832	0.405	-0.365	0.905

Multinomial Logistic Regression Results _ Social norm

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Accuracy: 0.5194805194805194

Classification Report:

	precision	recall	f1-score	support
A	0.48	0.50	0.49	58
B	0.54	0.74	0.63	69
Other	0.00	0.00	0.00	27
accuracy			0.52	154
macro avg	0.34	0.41	0.37	154
weighted avg	0.43	0.52	0.47	154

Intercept:
[0.19512362 0.44296781 -0.63809144]

Exponential coefficients:

	Price_UR_A	Price_UN_A	Price_O_A	EV_A	Price_UR_B	Price_UN_B
0	0.866423	0.979997	1.009515	1.090654	1.043076	1.012410
1	1.026255	1.014577	0.922282	0.934871	0.834881	0.986188
2	1.124643	1.005751	1.074048	0.980756	1.148310	1.001576

	Price_O_B	EV_B	Revenue_A_2.0	Revenue_A_3.0	Revenue_A_4.0
0	1.006678	0.898423	1.438464	1.177051	1.441470
1	1.025390	1.224482	0.973271	0.829803	0.784696
2	0.968770	0.909007	0.714277	1.023834	0.884083

	Revenue_A_5.0	Revenue_B_2.0	Revenue_B_3.0	Revenue_B_4.0	Revenue_B_5.0
0	1.748033	1.002931	0.896547	0.993958	0.695996
1	0.749514	1.119907	1.353024	1.247570	1.898152
2	0.763257	0.890321	0.824369	0.806431	0.756941

	predicted_A	predicted_B	predicted_Other
A	29	29	0
B	18	51	0
Other	13	14	0

MNLogit Regression Results _ Social norm

Dep. Variable:	policy_choice	No. Observations:	768
Model:	MNLogit	Df Residuals:	736
Method:	MLE	Df Model:	30
Date:	mer, 13 nov 2024	Pseudo R-squ.:	0.05942
Time:	15:16:50	Log-Likelihood:	-762.03
converged:	True	LL-Null:	-810.18
Covariance Type:	nonrobust	LLR p-value:	7.105e-09

policy_choice=B	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	0.1505	0.097	1.544	0.123	-0.041	0.342
Price_UN_A	0.0524	0.094	0.556	0.578	-0.132	0.237
Price_O_A	-0.0390	0.077	-0.508	0.612	-0.190	0.112
EV_A	-0.1272	0.076	-1.670	0.095	-0.277	0.022
Price_UR_B	-0.1034	0.099	-1.047	0.295	-0.297	0.090
Price_UN_B	-0.0810	0.096	-0.844	0.399	-0.269	0.107
Price_O_B	-0.0712	0.078	-0.909	0.363	-0.225	0.082
EV_B	**0.3203**	**0.077**	**4.151**	**0.000**	**0.169**	**0.472**
Revenue_A_2.0	-0.4489	0.267	-1.683	0.092	-0.972	0.074
Revenue_A_3.0	-0.3236	0.286	-1.130	0.259	-0.885	0.238
Revenue_A_4.0	**-0.6460**	**0.274**	**-2.358**	**0.018**	**-1.183**	**-0.109**
Revenue_A_5.0	**-0.8880**	**0.288**	**-3.083**	**0.002**	**-1.452**	**-0.324**
Revenue_B_2.0	0.1477	0.262	0.565	0.572	-0.365	0.660
Revenue_B_3.0	0.4681	0.268	1.747	0.081	-0.057	0.993
Revenue_B_4.0	0.2846	0.288	0.989	0.323	-0.279	0.848
Revenue_B_5.0	**1.1278**	**0.272**	**4.142**	**0.000**	**0.594**	**1.662**

policy_choice=Other	coef	std err	z	P>|z|	[0.025	0.975]
Price_UR_A	0.1813	0.116	1.563	0.118	-0.046	0.409
Price_UN_A	0.0166	0.110	0.151	0.880	-0.198	0.232
Price_O_A	0.0646	0.090	0.721	0.471	-0.111	0.240
EV_A	-0.1638	0.090	-1.826	0.068	-0.340	0.012
Price_UR_B	0.0633	0.118	0.538	0.590	-0.167	0.294
Price_UN_B	-0.0190	0.111	-0.170	0.865	-0.237	0.200
Price_O_B	-0.1063	0.093	-1.146	0.252	-0.288	0.076
EV_B	-0.0024	0.091	-0.026	0.979	-0.180	0.176
Revenue_A_2.0	**-0.7070**	**0.332**	**-2.130**	**0.033**	**-1.358**	**-0.056**
Revenue_A_3.0	-0.2717	0.329	-0.826	0.409	-0.916	0.373
Revenue_A_4.0	-0.4891	0.321	-1.524	0.128	-1.118	0.140
Revenue_A_5.0	**-0.8409**	**0.337**	**-2.499**	**0.012**	**-1.500**	**-0.181**
Revenue_B_2.0	-0.2303	0.283	-0.814	0.416	-0.785	0.324
Revenue_B_3.0	-0.4419	0.319	-1.384	0.166	-1.068	0.184
Revenue_B_4.0	-0.2778	0.325	-0.855	0.393	-0.915	0.359
Revenue_B_5.0	-0.0778	0.326	-0.239	0.811	-0.716	0.560