Binomial Logistic Regression

Model Fit Measures

				Overall Model Test		
Model	**Deviance**	**AIC**	**R^2_{McF}**	**χ^2**	**df**	**p**
1	2204	2298	0.158	412	46	< .001

Omnibus Likelihood Ratio Tests

Predictor	**χ^2**	**df**	**p**
Country	16.840	5	0.005
EmployeeNumber	43.057	2	< .001
BusinessType	19.239	4	< .001
FirstChoice	26.570	1	< .001
ReceivedIOMBusinessAdvice	12.371	1	< .001
AgeGroup	9.506	1	0.002
CountryOfReturn	7.620	4	0.107
BusinessMembers	6.812	1	0.009
Gender	7.832	1	0.005
ReceivedSupportAs	3.011	2	0.222
Disabled	3.055	1	0.081
InterviewType	0.575	1	0.448
MigrationDuration	0.256	1	0.613
CoronaImpactOnBusiness	0.119	1	0.730
Country ✻ BusinessType	31.278	20	0.052

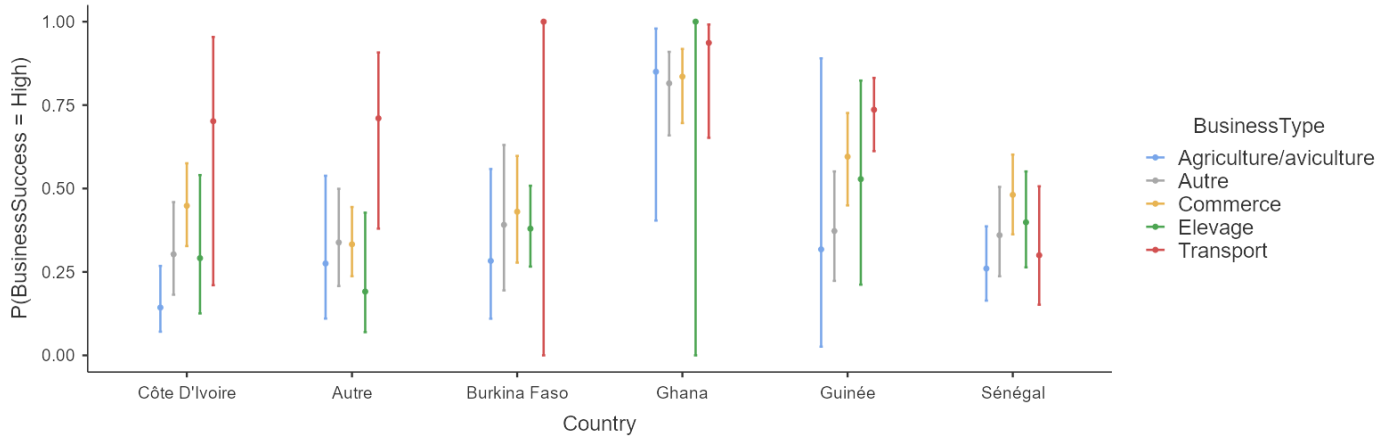
Model Coefficients - BusinessSuccess

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-2.9926	0.4749	-6.30161	< .001	0.0502
Country:					
Autre – Côte D'Ivoire	0.8206	0.6642	1.23551	0.217	2.2719
Burkina Faso – Côte D'Ivoire	0.8599	0.6855	1.25428	0.210	2.3628
Ghana – Côte D'Ivoire	3.5232	1.1304	3.11681	0.002	33.8938
Guinée – Côte D'Ivoire	1.0237	1.4928	0.68578	0.493	2.7835
Sénégal – Côte D'Ivoire	0.7436	0.4419	1.68272	0.092	2.1035
EmployeeNumber:					
1 – 0	1.0172	0.1867	5.44691	< .001	2.7654
1+ – 0	0.9025	0.2113	4.27094	< .001	2.4657
BusinessType:					
Autre – Agriculture/aviculture	0.9545	0.4707	2.02769	0.043	2.5974
Commerce – Agriculture/aviculture	1.5809	0.4161	3.79899	< .001	4.8595
Elevage – Agriculture/aviculture	0.8992	0.6254	1.43782	0.150	2.4577
Transport – Agriculture/aviculture	2.6443	1.1562	2.28709	0.022	14.0739
FirstChoice:					
Oui – Non	0.7828	0.1541	5.08132	< .001	2.1875
ReceivedIOMBusinessAdvice:					
Oui – Non	0.4296	0.1226	3.50380	< .001	1.5367
AgeGroup:					
36+ – 14-35	-0.4390	0.1430	-3.06889	0.002	0.6447
CountryOfReturn:					
Autre – Algerie	-0.2255	0.2106	-1.07039	0.284	0.7982
Lybie – Algerie	0.2809	0.1597	1.75855	0.079	1.3243
Maroc – Algerie	0.1460	0.1793	0.81449	0.415	1.1572
Niger – Algerie	0.1553	0.1587	0.97867	0.328	1.1680
BusinessMembers:					
Moi uniquement – Moi et d'autres	0.4138	0.1590	2.60229	0.009	1.5126
Gender:					
Masculin – Féminin	0.5170	0.1857	2.78464	0.005	1.6771
ReceivedSupportAs:					
En nature – En espèces	-0.2789	0.1844	-1.51218	0.130	0.7566
Mixte – En espèces	-0.3017	0.2046	-1.47451	0.140	0.7396
Disabled:					
Oui – Non	-0.4260	0.2452	-1.73688	0.082	0.6531
InterviewType:					
Terrain/bureau OIM – Par téléphone	0.1024	0.1352	0.75757	0.449	1.1078
MigrationDuration	-0.0124	0.0245	-0.50593	0.613	0.9877
CoronaImpactOnBusiness:					
Oui – Non	0.0491	0.1423	0.34512	0.730	1.0504
Country ✻ BusinessType:					
(Autre – Côte D'Ivoire) ✻ (Autre – Agriculture/aviculture)	-0.6576	0.7771	-0.84616	0.397	0.5181
(Burkina Faso – Côte D'Ivoire) ✻ (Autre – Agriculture/aviculture)	-0.4685	0.8666	-0.54064	0.589	0.6259
(Ghana – Côte D'Ivoire) ✻ (Autre – Agriculture/aviculture)	-1.2053	1.2183	-0.98938	0.322	0.2996
(Guinée – Côte D'Ivoire) ✻ (Autre – Agriculture/aviculture)	-0.7103	1.5556	-0.45661	0.648	0.4915
(Sénégal – Côte D'Ivoire) ✻ (Autre – Agriculture/aviculture)	-0.4844	0.5603	-0.86456	0.387	0.6160
(Autre – Côte D'Ivoire) ✻ (Commerce – Agriculture/aviculture)	-1.3086	0.6984	-1.87359	0.061	0.2702
(Burkina Faso – Côte D'Ivoire) ✻ (Commerce – Agriculture/aviculture)	-0.9320	0.7555	-1.23353	0.217	0.3938
(Ghana – Côte D'Ivoire) ✻ (Commerce – Agriculture/aviculture)	-1.6919	1.1899	-1.42189	0.155	0.1842
(Guinée – Côte D'Ivoire) ✻ (Commerce – Agriculture/aviculture)	-0.4299	1.5228	-0.28232	0.778	0.6506
(Sénégal – Côte D'Ivoire) ✻ (Commerce – Agriculture/aviculture)	-0.6117	0.4845	-1.26259	0.207	0.5424
(Autre – Côte D'Ivoire) ✻ (Elevage – Agriculture/aviculture)	-1.3738	0.9885	-1.38978	0.165	0.2531
(Burkina Faso – Côte D'Ivoire) ✻ (Elevage – Agriculture/aviculture)	-0.4614	0.8568	-0.53850	0.590	0.6304
(Ghana – Côte D'Ivoire) ✻ (Elevage – Agriculture/aviculture)	12.3371	275.0595	0.04485	0.964	228000.4408
(Guinée – Côte D'Ivoire) ✻ (Elevage – Agriculture/aviculture)	-0.0214	1.7283	-0.01236	0.990	0.9789
(Sénégal – Côte D'Ivoire) ✻ (Elevage – Agriculture/aviculture)	-0.2650	0.6978	-0.37975	0.704	0.7672
(Autre – Côte D'Ivoire) ✻ (Transport – Agriculture/aviculture)	-0.7792	1.4446	-0.53939	0.590	0.4588
(Burkina Faso – Côte D'Ivoire) ✻ (Transport – Agriculture/aviculture)	14.3192	1455.3981	0.00984	0.992	1.65e+6
(Ghana – Côte D'Ivoire) ✻ (Transport – Agriculture/aviculture)	-1.6862	1.8700	-0.90171	0.367	0.1852
(Guinée – Côte D'Ivoire) ✻ (Transport – Agriculture/aviculture)	-0.8538	1.8727	-0.45592	0.648	0.4258
(Sénégal – Côte D'Ivoire) ✻ (Transport – Agriculture/aviculture)	-2.4466	1.2368	-1.97815	0.048	0.0866

Note. Estimates represent the log odds of "BusinessSuccess = High" vs. "BusinessSuccess = Low"

Estimated Marginal Means

Country ✻ BusinessType



Estimated Marginal Means - Country ✻ BusinessType

				95% Confidence Interval	
BusinessType	**Country**	**Probability**	**SE**	**Lower**	**Upper**
Agriculture/aviculture	Côte D'Ivoire	0.143	0.0491	0.0710	0.268
	Autre	0.275	0.1141	0.1102	0.538
	Burkina Faso	0.283	0.1205	0.1099	0.558
	Ghana	0.850	0.1381	0.4039	0.979
	Guinée	0.318	0.3159	0.0261	0.890
	Sénégal	0.260	0.0573	0.1641	0.387
Autre	Côte D'Ivoire	0.303	0.0722	0.1817	0.459
	Autre	0.338	0.0762	0.2078	0.499
	Burkina Faso	0.391	0.1187	0.1947	0.631
	Ghana	0.815	0.0634	0.6592	0.910
	Guinée	0.373	0.0866	0.2233	0.551
	Sénégal	0.360	0.0699	0.2370	0.505
Commerce	Côte D'Ivoire	0.448	0.0646	0.3275	0.576
	Autre	0.333	0.0535	0.2372	0.445
	Burkina Faso	0.431	0.0845	0.2779	0.598
	Ghana	0.835	0.0558	0.6962	0.918
	Guinée	0.595	0.0725	0.4493	0.726
	Sénégal	0.481	0.0622	0.3627	0.602
Elevage	Côte D'Ivoire	0.291	0.1107	0.1256	0.540
	Autre	0.191	0.0908	0.0696	0.428
	Burkina Faso	0.380	0.0630	0.2660	0.508
	Ghana	1.000	8.66e-5	2.22e-16	1.000
	Guinée	0.528	0.1814	0.2119	0.823
	Sénégal	0.399	0.0753	0.2638	0.551
Transport	Côte D'Ivoire	0.702	0.2327	0.2102	0.954
	Autre	0.710	0.1457	0.3797	0.908
	Burkina Faso	1.000	1.58e-4	2.22e-16	1.000
	Ghana	0.937	0.0626	0.6519	0.991
	Guinée	0.736	0.0565	0.6120	0.831
	Sénégal	0.300	0.0936	0.1518	0.507

Prediction

Predictive Measures

Accuracy
0.694

Note. The cut-off value is set to 0.5