

QUE CARACTERISTICAS DE LOS PASAJEROS INFLUYERON A QUE ESTOS MURIERAN

The LOGISTIC Procedure

Model Information	
Data Set	ITLA.TRAIN_2
Response Variable	Survived
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	876
Number of Observations Used	874

Response Profile		
Ordered Value	Survived	Total Frequency
1	0	535
2	1	339

Probability modeled is Survived='1'.

Note: 2 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information			
Class	Value	Design Variables	
Pclass	1	1	0
	2	0	1
	3	0	0
Sex	female	1	
	male	0	
Embarked	C	1	0
	Q	0	1
	S	0	0

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1169.291	798.499
SC	1174.064	841.457
-2 Log L	1167.291	780.499

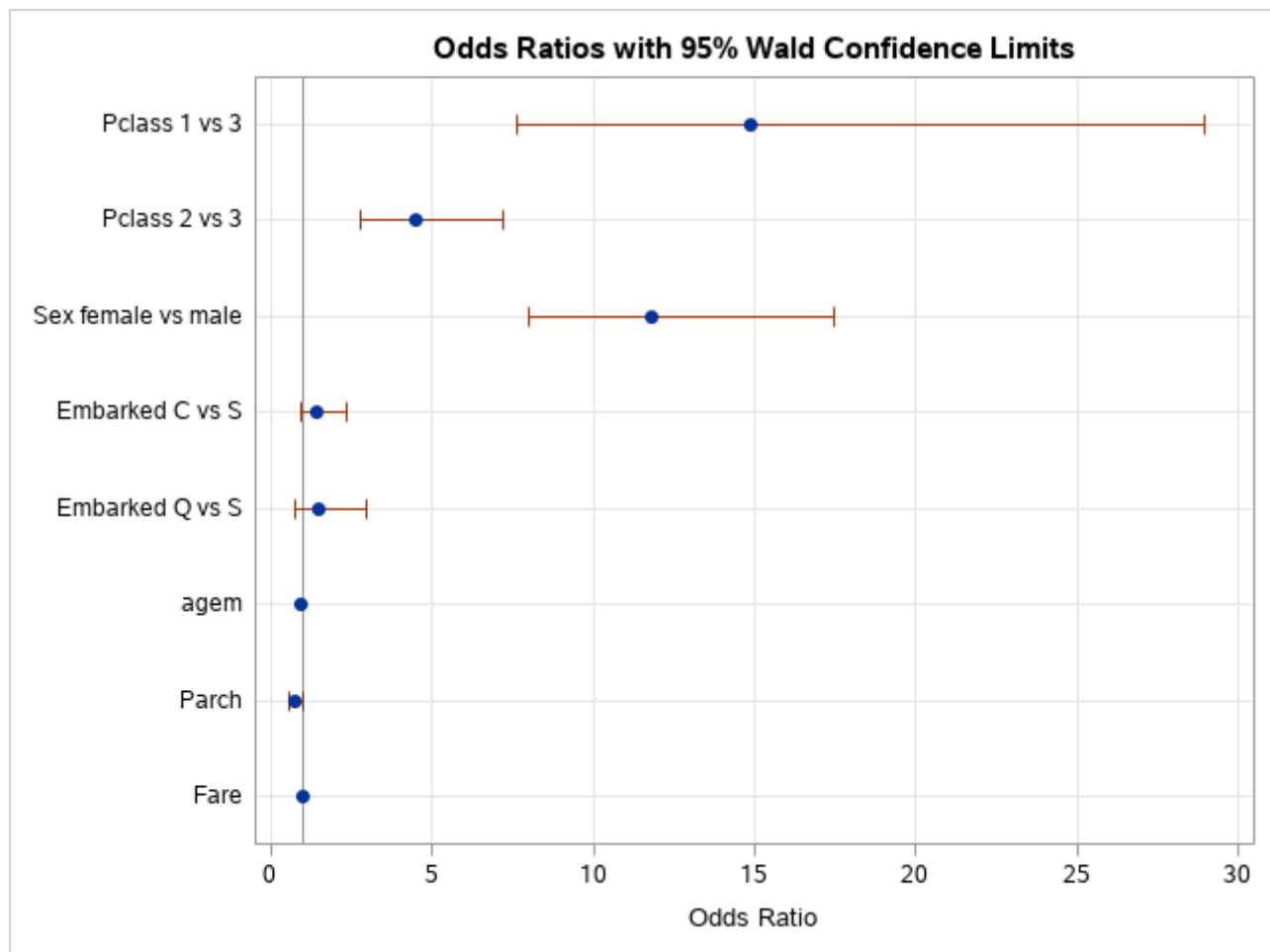
Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	386.7915	8	<.0001
Score	345.2018	8	<.0001
Wald	236.9020	8	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Pclass	2	71.0989	<.0001

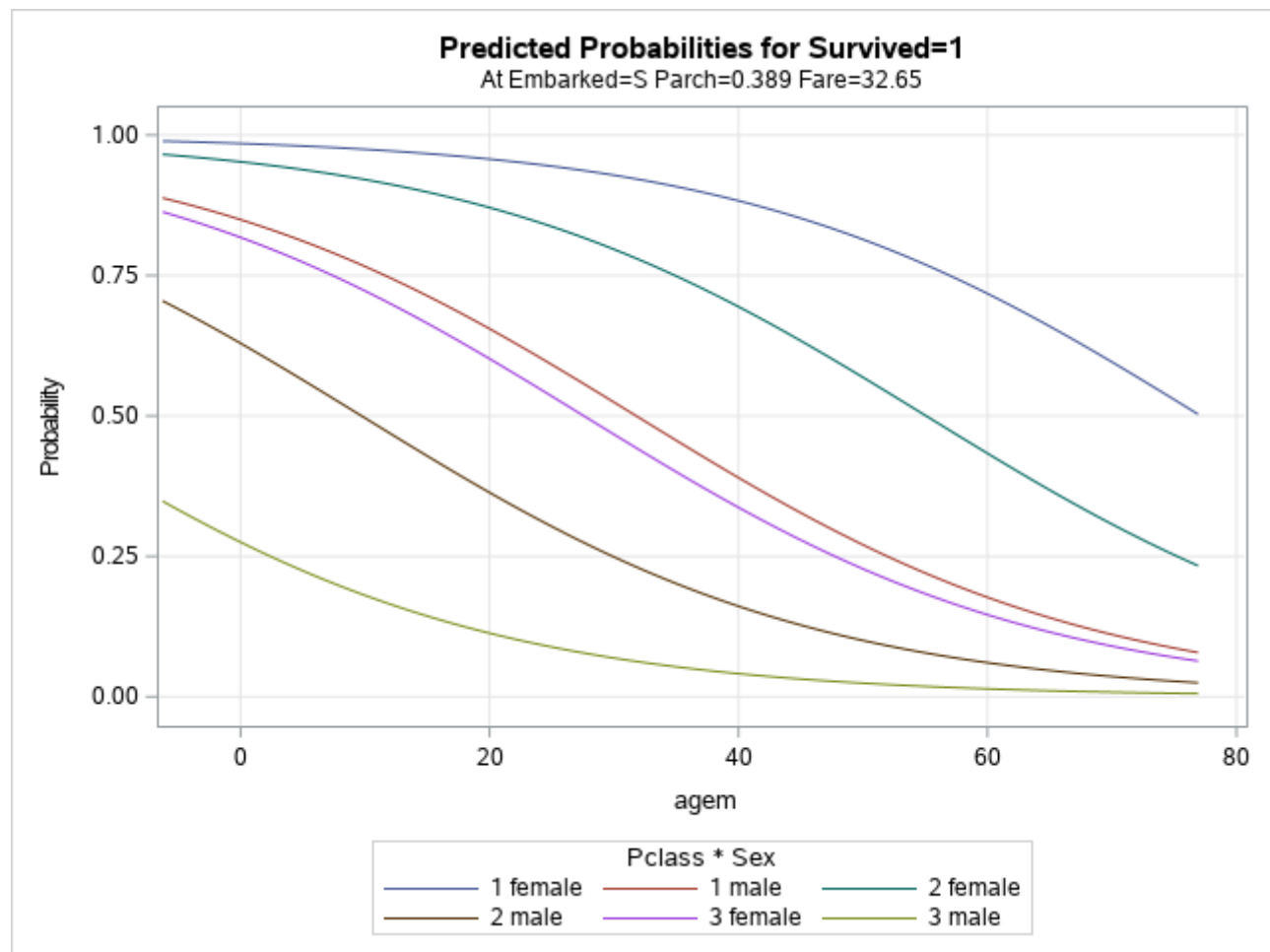
Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Sex	1	154.5006	<.0001
Embarked	2	3.4826	0.1753
agem	1	20.5311	<.0001
Parch	1	4.5331	0.0332
Fare	1	0.0322	0.8576

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.8723	0.3692	5.5813	0.0182
Pclass	1	1	2.6988	0.3398	63.0823	<.0001
Pclass	2	1	1.4972	0.2426	38.0748	<.0001
Sex	female	1	2.4696	0.1987	154.5006	<.0001
Embarked	C	1	0.3750	0.2399	2.4436	0.1180
Embarked	Q	1	0.4161	0.3424	1.4766	0.2243
agem		1	-0.0545	0.0120	20.5311	<.0001
Parch		1	-0.2767	0.1300	4.5331	0.0332
Fare		1	0.000406	0.00226	0.0322	0.8576

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
Pclass 1 vs 3	14.861	7.635	28.926
Pclass 2 vs 3	4.469	2.778	7.191
Sex female vs male	11.818	8.006	17.445
Embarked C vs S	1.455	0.909	2.328
Embarked Q vs S	1.516	0.775	2.966
agem	0.947	0.925	0.970
Parch	0.758	0.588	0.978
Fare	1.000	0.996	1.005



Association of Predicted Probabilities and Observed Responses			
Percent Concordant	85.4	Somers' D	0.711
Percent Discordant	14.3	Gamma	0.714
Percent Tied	0.3	Tau-a	0.338
Pairs	181365	c	0.856



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The FREQ Procedure

Embarked	Frequency	Percent	Cumulative Frequency	Cumulative Percent
C	168	18.90	168	18.90
Q	77	8.66	245	27.56
S	644	72.44	889	100.00
Frequency Missing = 2				