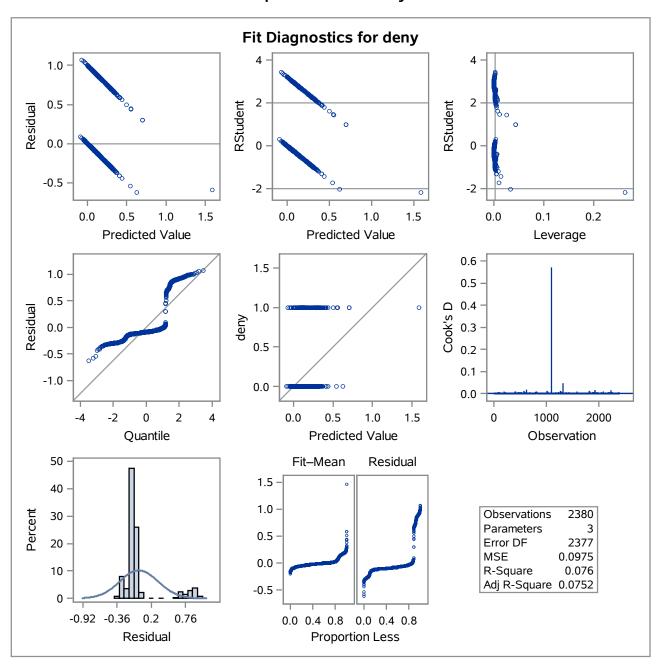
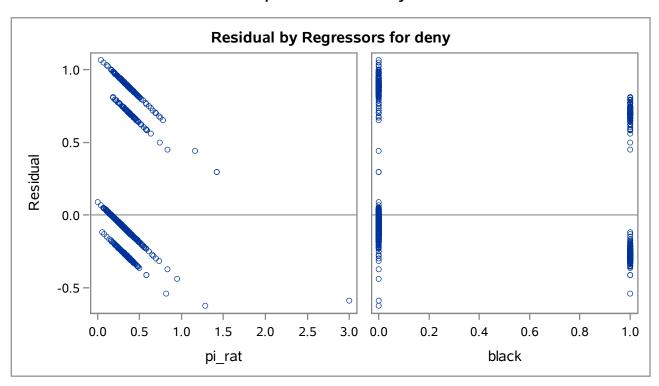
Number of Observations Read	2380
Number of Observations Used	2380

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	19.06712	9.53356	97.76	<.0001
Error	2377	231.80473	0.09752		
Corrected Total	2379	250.87185			

Root MSE	0.31228	R-Square	0.0760
Dependent Mean	0.11975	Adj R-Sq	0.0752
Coeff Var	260.78262		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.09051	0.02079	-4.35	<.0001
pi_rat	1	0.55919	0.05987	9.34	<.0001
black	1	0.17743	0.01837	9.66	<.0001



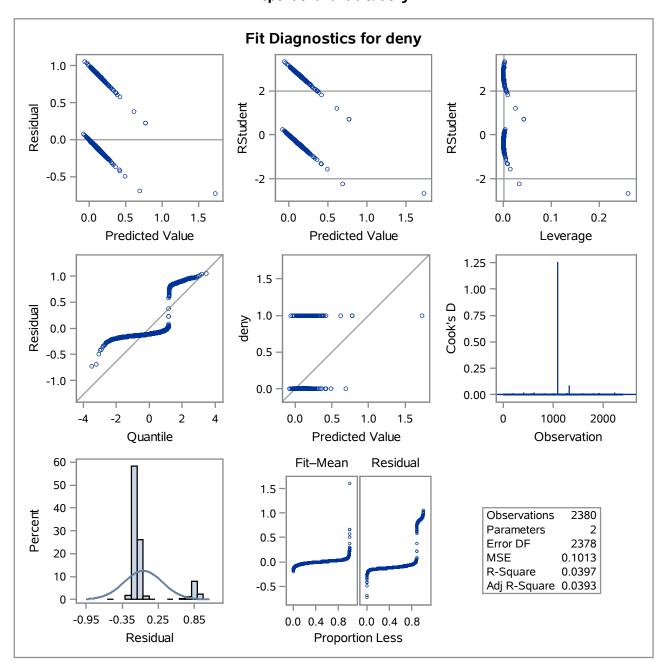


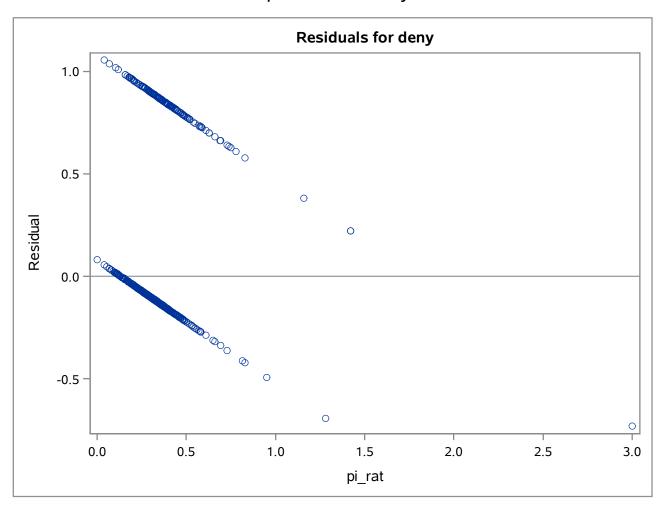
Number of Observations Read	2380
Number of Observations Used	2380

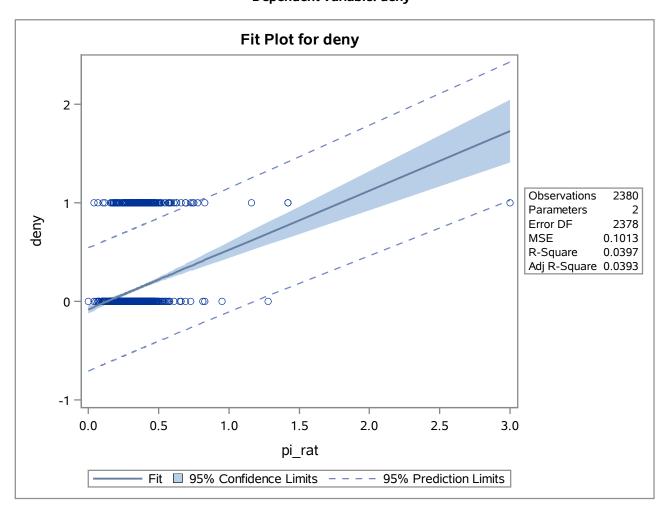
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	9.96903	9.96903	98.41	<.0001
Error	2378	240.90282	0.10130		
Corrected Total	2379	250.87185			

Root MSE	0.31828	R-Square	0.0397
Dependent Mean	0.11975	Adj R-Sq	0.0393
Coeff Var	265.79519		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.07991	0.02116	-3.78	0.0002
pi_rat	1	0.60353	0.06084	9.92	<.0001







### **The Probit Procedure**

Model Information		
Data Set	WORK.ONE	
Dependent Variable	deny	
Number of Observations	2380	
Name of Distribution	Normal	
Log Likelihood	-797.1360383	

Number of Observations Read	2380
Number of Observations Used	2380

Class Level Information		
Name	Levels	Values
deny	2	10

Response Profile		
Ordered Value	deny	Total Frequency
1	1	285
2	0	2095

PROC PROBIT is modeling the probabilities of levels of deny having LOWER Ordered Values in the response profile table.

Algorithm converged.

Type III Analysis of Effects					
Effect	ffect DF Chi-Square Pr > ChiSq				
pi_rat	1	58.1308	<.0001		
black	1	72.0422	<.0001		

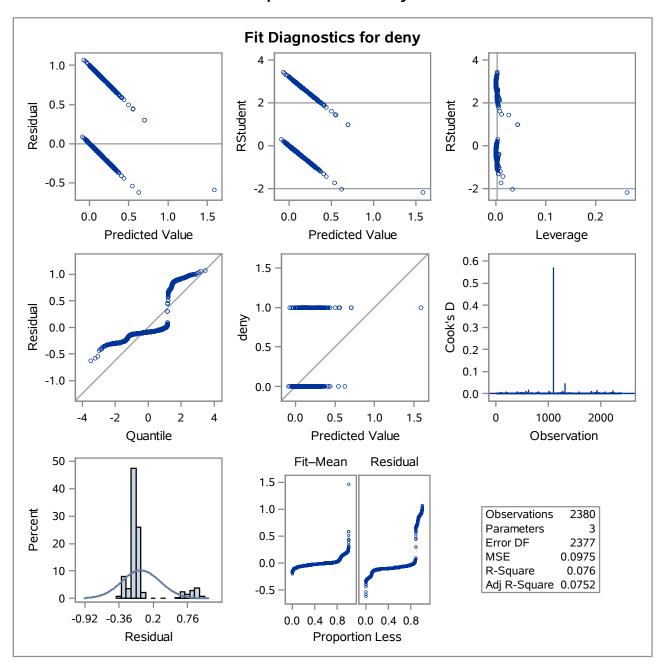
Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error		% dence nits	Chi-Square	Pr > ChiSq
Intercept	1	-2.2587	0.1299	-2.5133	-2.0042	302.44	<.0001
pi_rat	1	2.7416	0.3596	2.0369	3.4464	58.13	<.0001
black	1	0.7082	0.0834	0.5446	0.8717	72.04	<.0001

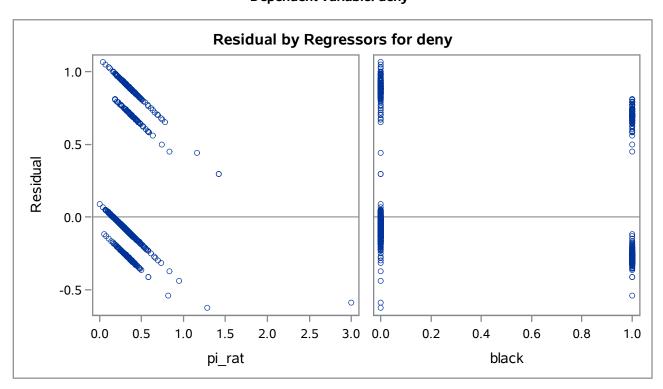
Number of Observations Read	2380
Number of Observations Used	2380

Analysis of Variance							
Source DF Squares Square F Value Pr >							
Model	2	19.06712	9.53356	97.76	<.0001		
Error	2377	231.80473	0.09752				
Corrected Total	2379	250.87185					

Root MSE	0.31228	R-Square	0.0760
Dependent Mean	0.11975	Adj R-Sq	0.0752
Coeff Var	260.78262		

Parameter Estimates							
Variable DF Estimate Error t Value Pr >							
Intercept	1	-0.09051	0.02079	-4.35	<.0001		
pi_rat	1	0.55919	0.05987	9.34	<.0001		
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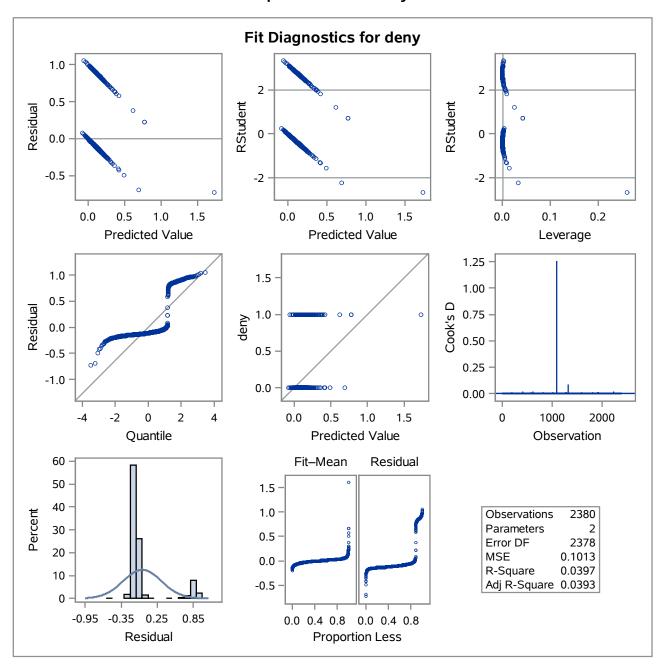


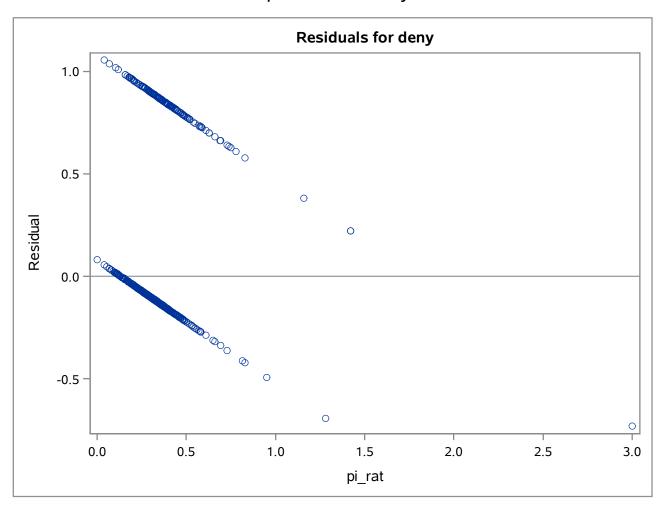
Number of Observations Read	2380
Number of Observations Used	2380

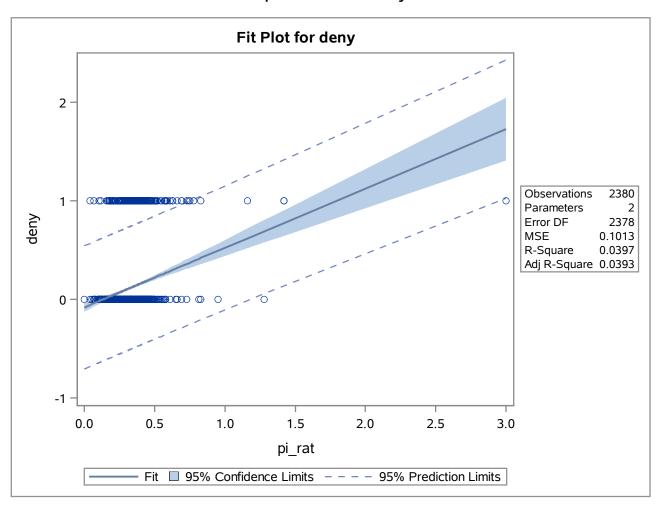
Analysis of Variance							
Source DF Squares Square F Value Pr >							
Model	1	9.96903	9.96903	98.41	<.0001		
Error	2378	240.90282	0.10130				
Corrected Total	2379	250.87185					

Root MSE	0.31828	R-Square	0.0397
Dependent Mean	0.11975	Adj R-Sq	0.0393
Coeff Var	265.79519		

Parameter Estimates						
Variable DF Estimate Standard Error t Value Pr >						
Intercept	1	-0.07991	0.02116	-3.78	0.0002	
pi_rat	1	0.60353	0.06084	9.92	<.0001	







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Data Set	WORK.ONE			
Dependent Variable	deny			
Number of Observations	2380			
Name of Distribution	Normal			
Log Likelihood	-797.1360383			

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Name	Levels Values			
deny	2	10		

Response Profile			
Ordered Tota Value deny Frequency			
1	1	285	
2	0	2095	

PROC PROBIT is modeling the probabilities of levels of deny having LOWER Ordered Values in the response profile table.

Algorithm converged.

Type III Analysis of Effects				
Effect DF Chi-Square Pr > ChiSq				
pi_rat	1	58.1308	<.0001	
black	1	72.0422	<.0001	

Analysis of Maximum Likelihood Parameter Estimates								
Parameter	DF	95% Standard Confidence DF Estimate Error Limits Chi-Square Pr > Chi					Pr > ChiSq	
Intercept	1	-2.2587	0.1299	-2.5133	-2.0042	302.44	<.0001	
pi_rat	1	2.7416	0.3596	2.0369	3.4464	58.13	<.0001	
black	1	0.7082	0.0834	0.5446	0.8717	72.04	<.0001	

### The LOGISTIC Procedure

Model Information				
Data Set WORK.ONE				
Response Variable	deny			
Number of Response Levels	2			
Model	binary logit			
Optimization Technique	Fisher's scoring			

Number of Observations Read	2380
Number of Observations Used	2380

Response Profile			
Ordered Value	Total Frequency		
1	1	285	
2	0	2095	

### Probability modeled is deny=1.

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

Model Fit Statistics					
Intercept Intercept Criterion Only Covariates					
AIC	1746.171	1597.390			
sc	1751.945	1614.715			
-2 Log L	1744.171	1591.390			

Testing Global Null Hypothesis: BETA=0					
Test Chi-Square DF Pr > ChiSq					
Likelihood Ratio	152.7802	2	<.0001		
Score	180.8882	2	<.0001		
Wald	137.3825	2	<.0001		

Analysis of Maximum Likelihood Estimates						
Parameter DF Estimate Standard Chi-Square Pr > ChiSq						
Intercept	1	-4.1252	0.2684	236.2293	<.0001	
pi_rat	1	5.3694	0.7283	54.3585	<.0001	
black	1	1.2731	0.1462	75.8339	<.0001	

### The LOGISTIC Procedure

Odds Ratio Estimates					
Point 95% Wald Confidence Limits					
pi_rat	214.736	51.523	894.974		
black	3.572	2.682	4.757		

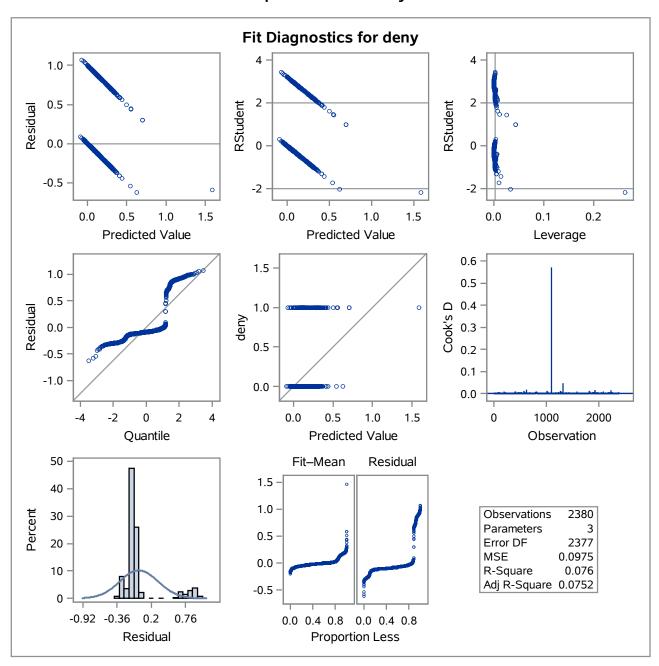
Association of Predicted Probabilities and Observed Responses						
Percent Concordant 69.4 Somers' D 0.403						
Percent Discordant	29.1	Gamma	0.409			
Percent Tied 1.6 Tau-a 0.08						
Pairs	597075	С	0.701			

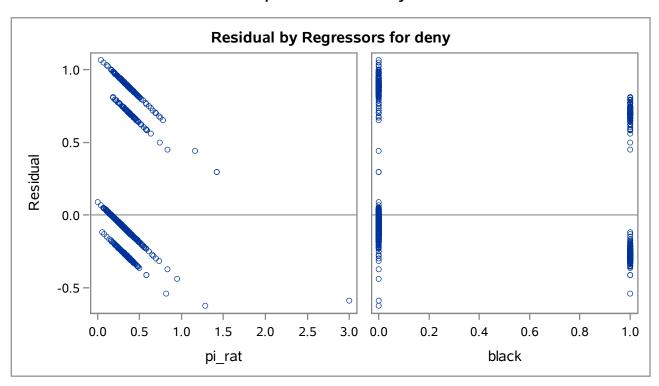
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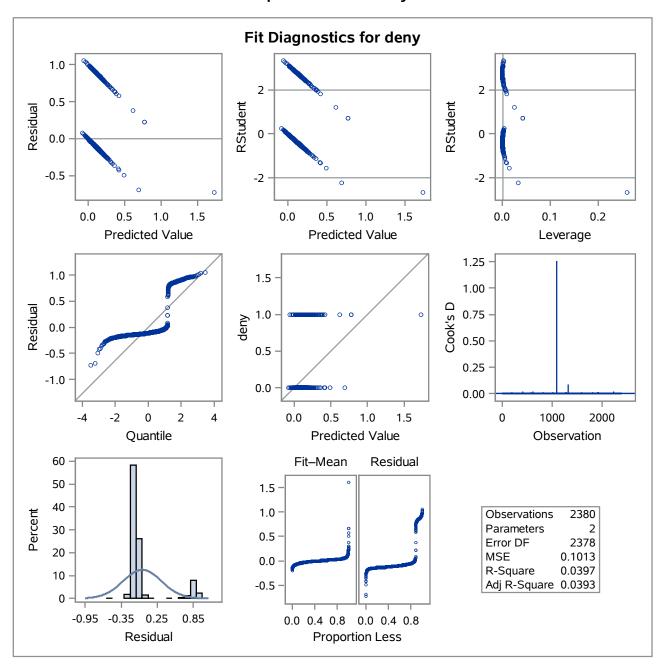


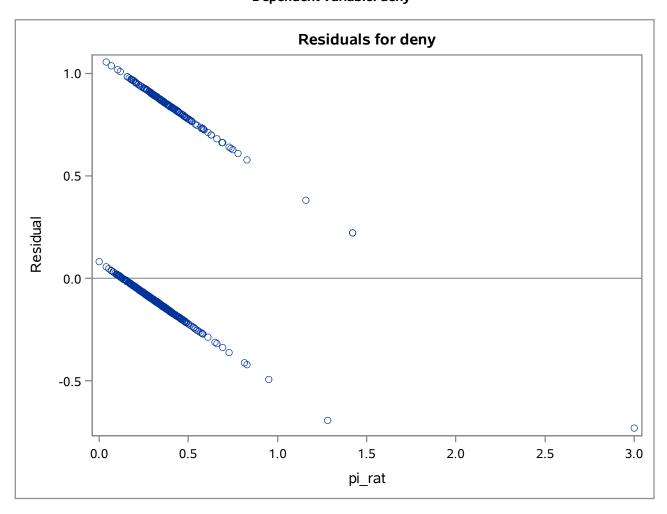
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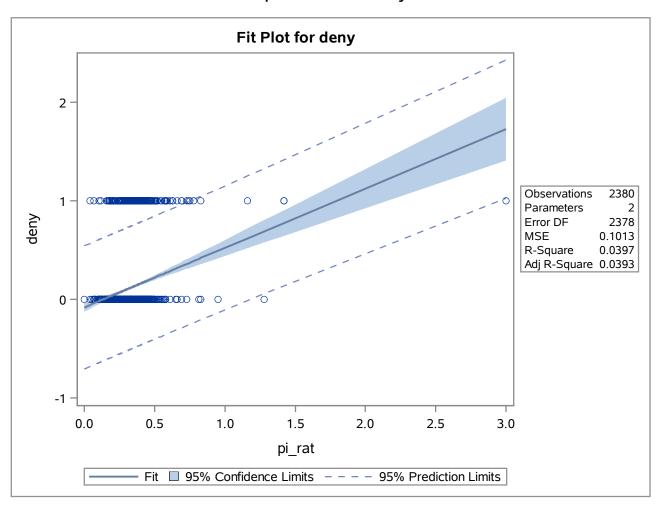
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