The LOGISTIC Procedure

Model Information

Data Set	WORK.BTS201503REP
Response Variable	DepDelayClass
Number of Response Levels	3
Model	cumulative logit
Optimization Technique	Fisher's scoring

Number of Observations Read	504312
Number of Observations Used	504312

Response Profile

Ordered Value	Dep Delay Class	Total Frequency
1	0	408727
2	1	67709
3	2	27876

Probabilities modeled are cumulated over the lower Ordered Values.

Model Convergence Status

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

Score Test for the Proportional Odds Assumption

Chi-Square	DF	Pr > ChiSq
7603.1494	7	<.0001

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	605132.11	501080.81
SC	605154.37	501180.99
-2 Log L	605128.11	501062.81

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	104065.302	7	<.0001
Score	107341.529	7	<.0001
Wald	83789.5781	7	<.0001

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	0	1	2.5353	0.0129	38619.7240	<.0001
Intercept	1	1	4.3214	0.0147	86942.2186	<.0001
CRSDepTime		1	-0.00002	3.217E-7	2799.2503	<.0001
SeqNum		1	0.1029	0.00293	1235.4885	<.0001
ArrDelayLagInd		1	-0.9302	0.0105	7820.1443	<.0001
ArrDelayLag		1	-0.0254	0.000230	12125.5180	<.0001
ArrDelayLagCum		1	-0.00109	0.000114	90.9406	<.0001
ArrDelayLag2		1	-0.00482	0.000217	495.4155	<.0001
CancelledLag1		1	-0.7966	0.0285	782.7849	<.0001

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
CRSDepTime	1.000	1.000	1.000
SeqNum	1.108	1.102	1.115
ArrDelayLagInd	0.394	0.386	0.403
ArrDelayLag	0.975	0.974	0.975
ArrDelayLagCum	0.999	0.999	0.999
ArrDelayLag2	0.995	0.995	0.996
CancelledLag1	0.451	0.426	0.477

Association of Predicted Probabilities and Observed Responses

Percent Concordant	77.5	Somers' D	0.563
Percent Discordant	21.3	Gamma	0.569
Percent Tied	1.2	Tau-a	0.181
Pairs	40955626379	c	0.781

The LOGISTIC Procedure

Model Information

Data Set	WORK.BTS201503REP
Response Variable	DepDelayClass
Number of Response Levels	3
Model	cumulative logit
Optimization Technique	Fisher's scoring

Number of Observations Read 504312
Number of Observations Used 504312

Response Profile

Ordered Value	Dep Delay Class	Total Frequency
1	0	408727
2	1	67709
3	2	27876

Probabilities modeled are cumulated over the lower Ordered Values.

Model Convergence Status

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

Score Test for the Proportional Odds Assumption

Chi-Square	DF	Pr > ChiSq
7603.1494	7	<.0001

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	605132.11	501080.81
SC	605154.37	501180.99
-2 Log L	605128.11	501062.81

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	104065.302	7	<.0001
Score	107341.529	7	<.0001
Wald	83789.5781	7	<.0001

Analysis of Maximum Likelihood Estimates

			Standard	Wald

Parameter		DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	0	1	2.5353	0.0129	38619.7240	<.0001
Intercept	1	1	4.3214	0.0147	86942.2186	<.0001
CRSDepTime		1	-0.00002	3.217E-7	2799.2503	<.0001
SeqNum		1	0.1029	0.00293	1235.4885	<.0001
ArrDelayLagInd		1	-0.9302	0.0105	7820.1443	<.0001
ArrDelayLag		1	-0.0254	0.000230	12125.5180	<.0001
ArrDelayLagCum		1	-0.00109	0.000114	90.9406	<.0001
ArrDelayLag2		1	-0.00482	0.000217	495.4155	<.0001
CancelledLag1		1	-0.7966	0.0285	782.7849	<.0001

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
CRSDepTime	1.000	1.000	1.000
SeqNum	1.108	1.102	1.115
ArrDelayLagInd	0.394	0.386	0.403
ArrDelayLag	0.975	0.974	0.975
ArrDelayLagCum	0.999	0.999	0.999
ArrDelayLag2	0.995	0.995	0.996
CancelledLag1	0.451	0.426	0.477

Association of Predicted Probabilities and Observed Responses

Percent Concordant	77.5	Somers' D	0.563
Percent Discordant	21.3	Gamma	0.569
Percent Tied	1.2	Tau-a	0.181
Pairs	40955626379	c	0.781

The LOGISTIC Procedure

Model Information

Data Set	WORK.BTS201503REP
Response Variable	DepDelayClass
Number of Response Levels	3
Model	cumulative logit
Optimization Technique	Fisher's scoring

Number of Observations Read	493310
Number of Observations Used	493310

Response Profile

Ordered Value	Dep Delay Class	Total Frequency

1	0	397931
2	1	67613
3	2	27766

Probabilities modeled are cumulated over the lower Ordered Values.

Model Convergence Status

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

Score Test for the Proportional Odds Assumption

Chi-Square	DF	Pr > ChiSq
7860.8324	7	<.0001

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	599525.58	487288.86
SC	599547.80	487388.84
-2 Log L	599521.58	487270.86

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	112250.726	7	<.0001
Score	114726.908	7	<.0001
Wald	85724.4716	7	<.0001

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	0	1	2.4947	0.0130	36849.3434	<.0001
Intercept	1	1	4.3540	0.0149	85451.8821	<.0001
CRSDepTime		1	-0.00002	3.313E-7	2495.5585	<.0001
SeqNum		1	0.0925	0.00307	909.1336	<.0001
ArrDelayLagInd		1	-0.8020	0.0108	5470.4248	<.0001
ArrDelayLag		1	-0.0304	0.000254	14324.5697	<.0001
ArrDelayLagCum		1	-0.00124	0.000121	103.8380	<.0001
ArrDelayLag2		1	-0.00491	0.000233	444.6621	<.0001
CancelledLag1		1	-1.6966	0.0316	2886.8091	<.0001

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
CRSDepTime	1.000	1.000	1.000
SeqNum	1.097	1.090	1.104
ArrDelayLagInd	0.448	0.439	0.458
ArrDelayLag	0.970	0.970	0.971
ArrDelayLagCum	0.999	0.999	0.999
ArrDelayLag2	0.995	0.995	0.996
CancelledLag1	0.183	0.172	0.195

Association of Predicted Probabilities and Observed Responses

Percent Concordant	78.0	Somers' D	0.572
Percent Discordant	20.8	Gamma	0.579
Percent Tied	1.1	Tau-a	0.187
Pairs	39831603407	c	0.786

The CATMOD Procedure

Data Summary

Response	DepDelayClass	Response Levels	3
Weight Variable	None	Populations	305791
Data Set	BTS201503REP	Total Frequency	504312
Frequency Missing	0	Observations	504312

One-Way Frequencies

Variable	Value	Frequency
DepDelayClass	0	408727
	1	67709
	2	27876
ArrDelayLagInd	0	364607
	1	139705
CancelledLag1	0	495812
	1	8500
CRSDepTime	0:01	3
	0:05	38
	0:07	1
	0:10	25
	0:11	3
	0:15	70
	0:20	88
	0:23	1
	0:25	53

0:27	48
0:28	1
0:29	25
0:30	236
0:33	1
0:35	61
0:38	25
0:40	87
0:45	105
0:46	3
0:47	31
0:49	17
0:50	105
0:51	6
0:52	26
0:53	2
0:55	99
0:56	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	0:58	7
	0:59	80
	1:00	64
	1:01	23
	1:02	1
	1:05	36
	1:07	1
	1:10	31
	1:11	1
	1:12	4
	1:14	24
	1:15	42
	1:20	58
	1:25	13
	1:29	3
	1:30	34
	1:40	1
	1:44	30
	1:45	31
	1:48	1
	1:49	3
	1:50	26
	1:55	55
	1:59	7
	2:00	7
	2:05	43
	2:15	7
	2:19	2
	2:35	7
	2:38	16

	2:50	9
	2:55	5
	3:05	1
	3:06	3
	3:10	10
	3:20	3
	3:25	1
	3:27	20
	3:28	1
	3:35	21
	3:38	3
	3:44	1
	3:45	1
	3:50	1
	4:00	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	4:10	3
	4:20	7
	4:25	4
	4:27	5
	4:29	21
	4:30	21
	5:00	506
	5:01	40
	5:02	9
	5:03	5
	5:04	21
	5:05	134
	5:08	6
	5:10	192
	5:11	2
	5:13	1
	5:15	541
	5:16	29
	5:19	22
	5:20	433
	5:21	29
	5:22	7
	5:23	35
	5:25	470
	5:26	5
	5:27	3
	5:28	50
	5:29	40
	5:30	966
	5:31	6
	5:33	3
	5:34	20
	5:35	582

	5:36	33
	5:37	29
	5:39	31
	5:40	919
	5:41	5
	5:42	31
	5:43	33
	5:44	31
	5:45	1440
	5:46	56
	5:47	54
	5:48	7

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	5:49	67
	5:50	984
	5:51	27
	5:52	14
	5:53	67
	5:54	22
	5:55	656
	5:56	63
	5:57	25
	5:58	111
	5:59	189
	6:00	10504
	6:01	115
	6:02	263
	6:03	111
	6:04	146
	6:05	2123
	6:06	146
	6:07	165
	6:08	54
	6:09	164
	6:10	1573
	6:11	73
	6:12	130
	6:13	63
	6:14	81
	6:15	2484
	6:16	155
	6:17	80
	6:18	96
	6:19	81
	6:20	1743
	6:21	178
	6:22	119
	6:23	18
	6:24	145

	6:25	1896
	6:26	145
	6:27	48
	6:28	108
	6:29	135
	6:30	3096
	6:31	84
	6:32	104
	6:33	101

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	6:34	97
	6:35	1279
	6:36	59
	6:37	146
	6:38	38
	6:39	36
	6:40	1637
	6:41	83
	6:42	77
	6:43	126
	6:44	75
	6:45	2338
	6:46	36
	6:47	46
	6:48	63
	6:49	41
	6:50	1432
	6:51	21
	6:52	185
	6:53	39
	6:54	114
	6:55	1151
	6:56	43
	6:57	53
	6:58	194
	6:59	394
	7:00	7215
	7:01	102
	7:02	125
	7:03	203
	7:04	120
	7:05	1783
	7:06	120
	7:07	131
	7:08	162
	7:09	49
	7:10	1426
	7:11	112
	7:12	116

	7:13	45
	7:14	205
	7:15	2007
	7:16	97
	7:17	78
	7:18	73

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	7:19	94
	7:20	2100
	7:21	132
	7:22	161
	7:23	47
	7:24	152
	7:25	1969
	7:26	69
	7:27	166
	7:28	123
	7:29	303
	7:30	3656
	7:31	210
	7:32	110
	7:33	30
	7:34	184
	7:35	1179
	7:36	133
	7:37	141
	7:38	170
	7:39	163
	7:40	1303
	7:41	39
	7:42	196
	7:43	57
	7:44	159
	7:45	1635
	7:46	123
	7:47	18
	7:48	114
	7:49	77
	7:50	1602
	7:51	59
	7:52	74
	7:53	108
	7:54	44
	7:55	1509
	7:56	73
	7:57	157
	7:58	110
	7:59	442
	8:00	4727

	8:01	98
	8:02	102
	8:03	141

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	8:04	152
	8:05	1403
	8:06	158
	8:07	131
	8:08	98
	8:09	104
	8:10	1872
	8:11	134
	8:12	234
	8:13	38
	8:14	212
	8:15	1934
	8:16	129
	8:17	38
	8:18	139
	8:19	135
	8:20	1734
	8:21	271
	8:22	143
	8:23	114
	8:24	70
	8:25	1750
	8:26	90
	8:27	199
	8:28	90
	8:29	144
	8:30	2978
	8:31	192
	8:32	77
	8:33	59
	8:34	104
	8:35	1976
	8:36	158
	8:37	186
	8:38	100
	8:39	137
	8:40	1962
	8:41	159
	8:42	167
	8:43	64
	8:44	162
	8:45	2831
	8:46	162
	8:47	106
	8:48	231

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	8:49	181
	8:50	1908
	8:51	238
	8:52	112
	8:53	141
	8:54	158
	8:55	1657
	8:56	129
	8:57	91
	8:58	70
	8:59	288
	9:00	3291
	9:01	220
	9:02	149
	9:03	58
	9:04	270
	9:05	2045
	9:06	181
	9:07	156
	9:08	139
	9:09	145
	9:10	1619
	9:11	203
	9:12	222
	9:13	179
	9:14	133
	9:15	1807
	9:16	174
	9:17	206
	9:18	93
	9:19	155
	9:20	1666
	9:21	6
	9:22	96
	9:23	95
	9:24	136
	9:25	1238
	9:26	90
	9:27	82
	9:28	200
	9:29	255
	9:30	2173
	9:31	190
	9:32	177
	9:33	57

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	9:34	62
	9:35	1166
	9:36	84
	9:37	78
	9:38	86
	9:39	271
	9:40	1939
	9:41	183
	9:42	154
	9:43	118
	9:44	227
	9:45	1608
	9:46	119
	9:47	208
	9:48	94
	9:49	170
	9:50	1452
	9:51	169
	9:52	107
	9:53	223
	9:54	155
	9:55	1698
	9:56	263
	9:57	100
	9:58	265
	9:59	521
	10:00	3134
	10:01	123
	10:02	186
	10:03	112
	10:04	185
	10:05	1823
	10:06	235
	10:07	237
	10:08	208
	10:09	201
	10:10	1556
	10:11	194
	10:12	220
	10:13	214
	10:14	248
	10:15	2764
	10:16	148
	10:17	154
	10:18	227

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	10:19	319
	10:20	1716
	10:21	153
	10:22	148
	10:23	140
	10:24	196
	10:25	2030
	10:26	273
	10:27	222
	10:28	275
	10:29	229
	10:30	2249
	10:31	214
	10:32	96
	10:33	143
	10:34	158
	10:35	1247
	10:36	117
	10:37	110
	10:38	280
	10:39	143
	10:40	1489
	10:41	204
	10:42	63
	10:43	99
	10:44	208
	10:45	1534
	10:46	136
	10:47	149
	10:48	156
	10:49	377
	10:50	1615
	10:51	337
	10:52	257
	10:53	125
	10:54	96
	10:55	1497
	10:56	234
	10:57	202
	10:58	294
	10:59	264
	11:00	2704
	11:01	220
	11:02	294
	11:03	211

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency

CRSDepTime	11:04	185
	11:05	1629
	11:06	376
	11:07	210
	11:08	148
	11:09	225
	11:10	1502
	11:11	164
	11:12	372
	11:13	180
	11:14	251
	11:15	1756
	11:16	218
	11:17	119
	11:18	181
	11:19	231
	11:20	1490
	11:21	226
	11:22	386
	11:23	166
	11:24	194
	11:25	1640
	11:26	120
	11:27	189
	11:28	108
	11:29	246
	11:30	2534
	11:31	203
	11:32	246
	11:33	224
	11:34	235
	11:35	1807
	11:36	201
	11:37	97
	11:38	101
	11:39	196
	11:40	1341
	11:41	236
	11:42	212
	11:43	98
	11:44	253
	11:45	2018
	11:46	176
	11:47	200
	11:48	167

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	11:49	236
	11:50	1625
	11:51	242

	11:52	73
	11:53	163
	11:54	170
	11:55	1231
	11:56	156
	11:57	94
	11:58	120
	11:59	275
	12:00	2958
	12:01	165
	12:02	150
	12:03	140
	12:04	295
	12:05	2220
	12:06	327
	12:07	115
	12:08	137
	12:09	287
	12:10	1595
	12:11	89
	12:12	178
	12:13	146
	12:14	78
	12:15	1898
	12:16	152
	12:17	124
	12:18	166
	12:19	95
	12:20	1617
	12:21	41
	12:22	84
	12:23	278
	12:24	87
	12:25	1152
	12:26	163
	12:27	182
	12:28	99
	12:29	187
	12:30	1954
	12:31	243
	12:32	84
	12:33	180

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	12:34	70
	12:35	1538
	12:36	131
	12:37	238
	12:38	86
	12:39	109

	12:40	1655
	12:41	223
	12:42	132
	12:43	152
	12:44	253
	12:45	1673
	12:46	188
	12:47	166
	12:48	220
	12:49	171
	12:50	1662
	12:51	195
	12:52	159
	12:53	195
	12:54	143
	12:55	1517
	12:56	184
	12:57	249
	12:58	247
	12:59	360
	13:00	2911
	13:01	172
	13:02	210
	13:03	162
	13:04	414
	13:05	1660
	13:06	239
	13:07	216
	13:08	223
	13:09	147
	13:10	1692
	13:11	134
	13:12	162
	13:13	137
	13:14	160
	13:15	1924
	13:16	144
	13:17	265
	13:18	52

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	13:19	190
	13:20	1556
	13:21	150
	13:22	154
	13:23	198
	13:24	174
	13:25	1903
	13:26	196
	13:27	189

	13:28	170
	13:29	224
	13:30	2087
	13:31	237
	13:32	248
	13:33	154
	13:34	50
	13:35	1706
	13:36	100
	13:37	184
	13:38	174
	13:39	292
	13:40	1776
	13:41	283
	13:42	237
	13:43	93
	13:44	310
	13:45	2683
	13:46	168
	13:47	130
	13:48	155
	13:49	217
	13:50	1559
	13:51	244
	13:52	250
	13:53	226
	13:54	181
	13:55	2317
	13:56	186
	13:57	246
	13:58	130
	13:59	463
	14:00	2344
	14:01	154
	14:02	285
	14:03	129

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	14:04	141
	14:05	1392
	14:06	144
	14:07	119
	14:08	209
	14:09	66
	14:10	1361
	14:11	342
	14:12	172
	14:13	144
	14:14	225
	14:15	1272

14:16	162
14:17	190
14:18	165
14:19	211
14:20	1183
14:21	122
14:22	251
14:23	118
14:24	133
14:25	1532
14:26	217
14:27	123
14:28	89
14:29	198
14:30	2106
14:31	165
14:32	218
14:33	231
14:34	147
14:35	1370
14:36	323
14:37	254
14:38	304
14:39	143
14:40	1315
14:41	164
14:42	138
14:43	151
14:44	194
14:45	1581
14:46	141
14:47	91
14:48	154

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	14:49	278
	14:50	1531
	14:51	127
	14:52	128
	14:53	79
	14:54	439
	14:55	1730
	14:56	250
	14:57	244
	14:58	137
	14:59	499
	15:00	2647
	15:01	228
	15:02	192
	15:03	115

15:04	162
15:05	1518
15:06	182
15:07	182
15:08	105
15:09	296
15:10	1852
15:11	215
15:12	154
15:13	157
15:14	219
15:15	1506
15:16	150
15:17	287
15:18	133
15:19	183
15:20	1605
15:21	150
15:22	137
15:23	161
15:24	124
15:25	1668
15:26	62
15:27	217
15:28	99
15:29	486
15:30	2723
15:31	169
15:32	233
15:33	79

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	15:34	101
	15:35	2275
	15:36	228
	15:37	151
	15:38	223
	15:39	157
	15:40	1886
	15:41	122
	15:42	317
	15:43	206
	15:44	223
	15:45	1661
	15:46	209
	15:47	148
	15:48	182
	15:49	178
	15:50	1356
	15:51	73

	15:52	156
	15:53	152
	15:54	133
	15:55	1725
	15:56	131
	15:57	137
	15:58	220
	15:59	390
	16:00	2409
	16:01	286
	16:02	103
	16:03	119
	16:04	128
	16:05	1541
	16:06	180
	16:07	73
	16:08	164
	16:09	157
	16:10	1929
	16:11	146
	16:12	141
	16:13	133
	16:14	252
	16:15	1718
	16:16	280
	16:17	156
	16:18	216

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	16:19	161
	16:20	1524
	16:21	147
	16:22	88
	16:23	103
	16:24	152
	16:25	1306
	16:26	319
	16:27	151
	16:28	204
	16:29	321
	16:30	2260
	16:31	286
	16:32	250
	16:33	141
	16:34	219
	16:35	1455
	16:36	183
	16:37	212
	16:38	164
	16:39	234

	16:40	1669
	16:41	142
	16:42	136
	16:43	213
	16:44	196
	16:45	1473
	16:46	112
	16:47	285
	16:48	273
	16:49	254
	16:50	1549
	16:51	134
	16:52	156
	16:53	72
	16:54	219
	16:55	1475
	16:56	211
	16:57	104
	16:58	363
	16:59	437
	17:00	2715
	17:01	149
	17:02	168
	17:03	208

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	17:04	181
	17:05	2010
	17:06	359
	17:07	133
	17:08	242
	17:09	169
	17:10	1569
	17:11	154
	17:12	187
	17:13	148
	17:14	73
	17:15	2070
	17:16	245
	17:17	258
	17:18	162
	17:19	203
	17:20	1624
	17:21	284
	17:22	260
	17:23	242
	17:24	156
	17:25	2037
	17:26	119
	17:27	159

	17:28	197
	17:29	415
	17:30	2103
	17:31	242
	17:32	255
	17:33	294
	17:34	168
	17:35	1718
	17:36	204
	17:37	312
	17:38	152
	17:39	220
	17:40	2000
	17:41	315
	17:42	302
	17:43	338
	17:44	360
	17:45	2484
	17:46	264
	17:47	170
	17:48	205

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	17:49	198
	17:50	1569
	17:51	32
	17:52	266
	17:53	199
	17:54	270
	17:55	1825
	17:56	111
	17:57	281
	17:58	191
	17:59	576
	18:00	2292
	18:01	104
	18:02	71
	18:03	82
	18:04	111
	18:05	1861
	18:06	235
	18:07	121
	18:08	87
	18:09	202
	18:10	1667
	18:11	202
	18:12	214
	18:13	89
	18:14	37
	18:15	1770

18:16	147
18:17	167
18:18	133
18:19	174
18:20	1494
18:21	268
18:22	92
18:23	106
18:24	161
18:25	1559
18:26	83
18:27	72
18:28	193
18:29	287
18:30	1916
18:31	278
18:32	145
18:33	69

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	18:34	94
	18:35	1273
	18:36	81
	18:37	57
	18:38	118
	18:39	103
	18:40	1401
	18:41	121
	18:42	179
	18:43	124
	18:44	235
	18:45	1748
	18:46	97
	18:47	113
	18:48	200
	18:49	181
	18:50	2142
	18:51	92
	18:52	219
	18:53	136
	18:54	180
	18:55	1945
	18:56	187
	18:57	156
	18:58	186
	18:59	583
	19:00	2574
	19:01	174
	19:02	194
	19:03	215

	19:04	245
	19:05	1496
	19:06	186
	19:07	362
	19:08	212
	19:09	131
	19:10	1472
	19:11	268
	19:12	230
	19:13	145
	19:14	219
	19:15	1473
	19:16	230
	19:17	89
	19:18	272

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	19:19	131
	19:20	1754
	19:21	163
	19:22	78
	19:23	45
	19:24	182
	19:25	1287
	19:26	139
	19:27	137
	19:28	147
	19:29	196
	19:30	2096
	19:31	175
	19:32	183
	19:33	142
	19:34	123
	19:35	1669
	19:36	245
	19:37	215
	19:38	224
	19:39	142
	19:40	1398
	19:41	172
	19:42	198
	19:43	159
	19:44	146
	19:45	2253
	19:46	155
	19:47	65
	19:48	138
	19:49	179
	19:50	1920
	19:51	138

	19:52	144
	19:53	111
	19:54	106
	19:55	2112
	19:56	194
	19:57	203
	19:58	169
	19:59	534
	20:00	2209
	20:01	89
	20:02	175
	20:03	135

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	20:04	112
	20:05	1692
	20:06	148
	20:07	89
	20:08	114
	20:09	109
	20:10	1456
	20:11	45
	20:12	63
	20:13	52
	20:14	77
	20:15	1526
	20:16	99
	20:17	68
	20:18	138
	20:19	117
	20:20	1405
	20:21	70
	20:22	62
	20:23	130
	20:24	103
	20:25	1271
	20:26	120
	20:27	49
	20:28	55
	20:29	132
	20:30	1697
	20:31	121
	20:32	66
	20:33	17
	20:34	92
	20:35	1496
	20:36	133
	20:37	71
	20:38	101
	20:39	95

	20:40	1119
	20:41	129
	20:42	124
	20:43	79
	20:44	84
	20:45	1400
	20:46	112
	20:47	39
	20:48	89

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	20:49	39
	20:50	1506
	20:51	131
	20:52	81
	20:53	91
	20:54	72
	20:55	1392
	20:56	35
	20:57	70
	20:58	74
	20:59	230
	21:00	1452
	21:01	204
	21:02	102
	21:03	57
	21:04	146
	21:05	1244
	21:06	118
	21:07	58
	21:08	151
	21:09	182
	21:10	954
	21:11	88
	21:12	279
	21:13	48
	21:14	92
	21:15	1300
	21:16	128
	21:17	199
	21:18	15
	21:19	86
	21:20	806
	21:21	19
	21:22	53
	21:23	27
	21:24	48
	21:25	838
	21:26	16
	21:27	42

	21:28	15
	21:29	130
	21:30	1025
	21:31	7
	21:32	1
	21:33	3

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	21:34	15
	21:35	981
	21:36	34
	21:37	29
	21:38	7
	21:39	6
	21:40	994
	21:41	100
	21:42	73
	21:43	39
	21:44	36
	21:45	1141
	21:46	76
	21:47	152
	21:48	108
	21:49	214
	21:50	1376
	21:51	66
	21:52	84
	21:53	84
	21:54	88
	21:55	1616
	21:56	164
	21:57	36
	21:58	92
	21:59	248
	22:00	1346
	22:01	247
	22:02	83
	22:03	55
	22:04	81
	22:05	932
	22:06	93
	22:07	82
	22:08	29
	22:09	99
	22:10	743
	22:11	97
	22:12	57
	22:13	57
	22:14	40
	22:15	634

	22:16	33
	22:17	32
	22:18	40

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	22:19	62
	22:20	592
	22:21	41
	22:22	5
	22:23	76
	22:24	4
	22:25	514
	22:26	53
	22:27	20
	22:28	9
	22:29	29
	22:30	691
	22:31	7
	22:32	4
	22:33	41
	22:34	101
	22:35	250
	22:36	65
	22:37	38
	22:38	58
	22:39	98
	22:40	183
	22:41	11
	22:42	3
	22:43	26
	22:44	54
	22:45	520
	22:46	2
	22:47	5
	22:48	20
	22:49	54
	22:50	525
	22:51	29
	22:52	28
	22:53	68
	22:54	79
	22:55	454
	22:56	115
	22:57	38
	22:58	12
	22:59	163
	23:00	195
	23:01	14
	23:03	6
	23:04	21

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	23:05	238
	23:06	5
	23:07	7
	23:08	4
	23:09	25
	23:10	91
	23:11	23
	23:12	7
	23:13	7
	23:14	3
	23:15	176
	23:16	2
	23:17	27
	23:18	27
	23:19	31
	23:20	152
	23:21	1
	23:22	3
	23:23	1
	23:24	4
	23:25	151
	23:28	2
	23:29	41
	23:30	163
	23:31	2
	23:32	4
	23:33	31
	23:35	24
	23:36	6
	23:38	14
	23:39	54
	23:40	180
	23:42	6
	23:43	23
	23:44	21
	23:45	143
	23:46	3
	23:47	16
	23:48	77
	23:49	38
	23:50	202
	23:51	2
	23:52	6
	23:53	10
	23:54	58

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
CRSDepTime	23:55	243
	23:56	9
	23:57	65
	23:58	6
	23:59	543
SeqNum	1	116340
	2	107558
	3	92754
	4	75841
	5	52304
	6	33390
	7	13878
	8	7184
	9	1882
	10	992
	11	454
	12	337
	13	199
	14	98
	15	32
	16	24
	17	22
	18	21
	19	21
	20	20
	21	20
	22	20
	23	19
	24	19
	25	19
	26	19
	27	18
	28	18
	29	16
	30	16
	31	15
	32	15
	33	15
	34	15
	35	15
	36	14
	37	13
	38	13
	39	13

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
SeqNum	40	13
	41	13
	42	13
	43	13
	44	13
	45	12
	46	12
	47	12
	48	12
	49	12
	50	11
	51	11
	52	10
	53	9
	54	9
	55	9
	56	9
	57	7
	58	7
	59	7
	60	7
	61	7
	62	6
	63	6
	64	6
	65	5
	66	5
	67	5
	68	5
	69	5
	70	5
	71	5
	72	5
	73	5
	74	5
	75	5
	76	5
	77	5
	78	4
	79	4
	80	4
	81	4
	82	4
	83	3
	84	3

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency

SeqNum	85	3
	86	3
	87	3
	88	3
	89	3
	90	3
	91	3
	92	3
	93	3
	94	3
	95	3
	96	3
	97	3
	98	3
	99	3
	100	3
	101	3
	102	3
	103	3
	104	3
	105	3
	106	3
	107	3
	108	3
	109	3
	110	3
	111	3
	112	2
	113	2
	114	2
	115	2
	116	2
	117	2
	118	2
	119	2
	120	2
	121	2
	122	2
	123	2
	124	2
	125	2
	126	2
	127	2
	128	2
	129	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
SeqNum	130	2
	131	2
	132	2

	133	2
	134	2
	135	2
	136	2
	137	2
	138	2
	139	2
	140	2
	141	2
	142	2
	143	2
	144	2
	145	2
	146	2
	147	2
	148	2
	149	2
	150	2
	151	2
	152	2
	153	2
	154	2
	155	2
	156	2
	157	2
	158	2
	159	2
	160	2
	161	2
	162	2
	163	2
	164	2
	165	2
	166	1
	167	1
	168	1
	169	1
	170	1
	171	1
	172	1
	173	1
	174	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
SeqNum	175	1
	176	1
	177	1
	178	1
	179	1
	180	1

	181	1
	182	1
	183	1
	184	1
	185	1
	186	1
	187	1
	188	1
	189	1
	190	1
	191	1
	192	1
	193	1
	194	1
	195	1
	196	1
	197	1
	198	1
	199	1
	200	1
	201	1
	202	1
	203	1
	204	1
	205	1
	206	1
	207	1
	208	1
	209	1
	210	1
	211	1
	212	1
	213	1
	214	1
	215	1
	216	1
	217	1
	218	1
	219	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
SeqNum	220	1
	221	1
	222	1
	223	1
	224	1
	225	1
	226	1
	227	1
	228	1

	229	1
	230	1
	231	1
	232	1
	233	1
	234	1
	235	1
	236	1
	237	1
	238	1
	239	1
	240	1
	241	1
	242	1
	243	1
	244	1
	245	1
	246	1
	247	1
	248	1
	249	1
	250	1
	251	1
	252	1
	253	1
	254	1
	255	1
	256	1
	257	1
	258	1
	259	1
	260	1
	261	1
	262	1
	263	1
	264	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
SeqNum	265	1
	266	1
	267	1
	268	1
	269	1
	270	1
	271	1
	272	1
	273	1
	274	1
	275	1
	276	1

	277	1
	278	1
	279	1
	280	1
	281	1
	282	1
	283	1
	284	1
	285	1
	286	1
	287	1
	288	1
ArrDelayLag	-78	1
	-74	1
	-73	1
	-72	1
	-71	3
	-70	1
	-69	1
	-68	1
	-67	2
	-66	3
	-65	1
	-64	2
	-63	4
	-62	11
	-61	5
	-60	9
	-59	17
	-58	15
	-57	19
	-56	17

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	-55	24
	-54	32
	-53	30
	-52	29
	-51	47
	-50	48
	-49	60
	-48	65
	-47	69
	-46	97
	-45	111
	-44	134
	-43	158
	-42	170
	-41	198

-40	237
-39	301
-38	355
-37	432
-36	495
-35	549
-34	720
-33	790
-32	944
-31	1141
-30	1382
-29	1597
-28	1782
-27	2084
-26	2461
-25	2876
-24	3311
-23	3821
-22	4393
-21	4902
-20	5457
-19	6128
-18	6934
-17	7608
-16	8183
-15	8927
-14	9611
-13	10262
-12	10756
-11	11068

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	-10	11355
	-9	11533
	-8	11777
	-7	11661
	-6	11474
	-5	11173
	-4	10771
	-3	10370
	-2	9845
	-1	9182
	0	134572
	1	8171
	2	7500
	3	7197
	4	6464
	5	6108
	6	5626
	7	5147

8	4685
9	4365
10	4037
11	3672
12	3469
13	3343
14	3116
15	2753
16	2582
17	2430
18	2289
19	2112
20	2001
21	1856
22	1863
23	1740
24	1634
25	1468
26	1416
27	1388
28	1332
29	1199
30	1260
31	1101
32	1079
33	1050
34	936

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	35	998
	36	871
	37	845
	38	826
	39	812
	40	762
	41	728
	42	706
	43	673
	44	620
	45	584
	46	644
	47	594
	48	558
	49	544
	50	557
	51	520
	52	491
	53	443
	54	452
	55	471

56	420
57	413
58	412
59	431
60	384
61	372
62	355
63	372
64	327
65	358
66	324
67	304
68	286
69	288
70	273
71	255
72	266
73	297
74	260
75	239
76	236
77	222
78	208
79	225

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	80	239
	81	203
	82	201
	83	200
	84	226
	85	188
	86	184
	87	178
	88	186
	89	172
	90	159
	91	172
	92	175
	93	154
	94	169
	95	146
	96	144
	97	149
	98	151
	99	134
	100	147
	101	149
	102	129
	103	138

	104	119
	105	136
	106	123
	107	126
	108	132
	109	129
	110	131
	111	126
	112	110
	113	102
	114	100
	115	102
	116	98
	117	97
	118	103
	119	89
	120	86
	121	87
	122	85
	123	112
	124	88

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	125	96
	126	74
	127	86
	128	95
	129	76
	130	85
	131	91
	132	60
	133	78
	134	80
	135	84
	136	86
	137	62
	138	69
	139	74
	140	68
	141	67
	142	63
	143	44
	144	77
	145	70
	146	57
	147	52
	148	66
	149	40
	150	47
	151	48

	152	46
	153	55
	154	47
	155	67
	156	55
	157	60
	158	36
	159	44
	160	50
	161	42
	162	61
	163	46
	164	51
	165	47
	166	52
	167	46
	168	56
	169	36

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	170	37
	171	38
	172	42
	173	47
	174	36
	175	28
	176	41
	177	45
	178	45
	179	30
	180	35
	181	29
	182	48
	183	33
	184	38
	185	37
	186	31
	187	34
	188	32
	189	29
	190	21
	191	30
	192	31
	193	26
	194	28
	195	43
	196	22
	197	24
	198	29
	199	24

	200	30
	201	24
	202	23
	203	25
	204	20
	205	20
	206	20
	207	21
	208	25
	209	19
	210	24
	211	22
	212	22
	213	14
	214	24

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	215	26
	216	18
	217	23
	218	22
	219	13
	220	13
	221	19
	222	15
	223	18
	224	16
	225	17
	226	11
	227	17
	228	20
	229	9
	230	16
	231	16
	232	11
	233	24
	234	20
	235	12
	236	15
	237	16
	238	12
	239	16
	240	14
	241	20
	242	6
	243	11
	244	11
	245	12
	246	9
	247	9

	248	16
	249	9
	250	10
	251	10
	252	10
	253	8
	254	12
	255	9
	256	8
	257	13
	258	12
	259	11

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	260	7
	261	8
	262	6
	263	15
	264	14
	265	14
	266	8
	267	11
	268	5
	269	7
	270	9
	271	9
	272	13
	273	6
	274	8
	275	10
	276	11
	277	11
	278	5
	279	7
	280	11
	281	10
	282	7
	283	4
	284	9
	285	6
	286	11
	287	7
	288	10
	289	2
	290	4
	291	5
	292	4
	293	8
	294	6
	295	7

296	10
297	6
298	4
299	7
300	6
301	5
302	5
303	2
304	6

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	305	3
	306	8
	307	6
	308	3
	309	4
	310	7
	311	6
	312	3
	313	10
	314	5
	315	1
	316	3
	317	12
	318	6
	319	3
	320	8
	321	6
	322	2
	323	5
	324	4
	325	2
	326	6
	327	5
	328	7
	329	2
	330	6
	331	5
	332	3
	333	4
	334	8
	335	4
	336	5
	337	3
	338	2
	339	7
	340	2
	341	4
	342	4
	343	2

	344	4
	345	3
	346	3
	347	1
	348	1
	349	4

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	350	4
	351	4
	352	1
	353	3
	354	6
	355	5
	356	4
	357	4
	358	4
	359	4
	360	2
	361	3
	362	7
	363	3
	364	6
	365	1
	366	3
	367	2
	368	1
	369	6
	370	2
	371	1
	372	2
	373	2
	374	5
	375	4
	376	5
	377	2
	378	2
	379	2
	380	4
	381	5
	382	1
	383	2
	384	1
	385	3
	386	1
	387	2
	388	6
	389	2
	390	1
	391	1

	392	2
	393	3
	394	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	395	1
	396	2
	397	5
	398	4
	399	4
	400	3
	401	4
	402	1
	403	7
	404	1
	405	2
	406	2
	407	2
	409	2
	412	3
	413	4
	415	2
	416	3
	417	2
	419	3
	420	2
	422	5
	423	2
	424	2
	426	1
	429	5
	431	5
	432	2
	433	1
	434	2
	435	2
	437	1
	439	1
	440	2
	441	1
	442	2
	443	1
	444	1
	445	1
	447	3
	448	1
	451	3
	452	3
	453	1
	455	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	456	2
	457	1
	458	1
	460	1
	466	2
	467	3
	468	1
	469	3
	471	3
	472	1
	473	1
	475	2
	477	1
	479	2
	480	4
	481	1
	485	1
	486	2
	488	1
	492	4
	493	3
	494	1
	495	1
	496	2
	497	1
	498	4
	499	1
	500	1
	501	1
	502	1
	511	1
	512	1
	513	2
	515	1
	518	1
	519	1
	520	1
	521	2
	522	1
	526	1
	527	1
	528	2
	529	2
	531	1
	532	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	533	1
	535	3
	537	1
	542	2
	547	1
	548	1
	549	1
	553	1
	554	1
	557	1
	560	1
	561	2
	568	2
	570	1
	574	2
	577	1
	579	1
	580	1
	581	1
	587	1
	592	1
	597	1
	600	2
	602	1
	617	1
	619	1
	626	1
	627	1
	628	1
	631	1
	636	1
	640	1
	641	1
	642	1
	643	1
	649	1
	655	1
	656	1
	659	1
	714	1
	721	1
	723	1
	727	1
	733	1
	736	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag	738	1
	740	1
	744	1
	748	1
	749	1
	760	1
	763	1
	775	1
	785	1
	786	1
	788	1
	791	1
	794	1
	795	1
	821	1
	874	1
	883	1
	891	1
	904	1
	946	1
	998	1
	1002	1
	1033	1
	1099	1
	1120	1
	1170	1
	1211	1
	1360	1
ArrDelayLagCum	-193	1
	-181	2
	-177	1
	-176	1
	-163	1
	-162	2
	-160	1
	-155	1
	-154	1
	-153	1
	-152	1
	-151	2
	-150	1
	-149	2
	-148	3
	-147	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency

ArrDelayLagCum	-146	2
	-145	4
	-144	3
	-143	3
	-142	1
	-141	2
	-140	2
	-139	3
	-138	4
	-137	3
	-136	7
	-135	4
	-134	5
	-133	3
	-132	9
	-131	4
	-130	7
	-129	12
	-128	10
	-127	6
	-126	4
	-125	11
	-124	11
	-123	11
	-122	12
	-121	9
	-120	17
	-119	16
	-118	17
	-117	16
	-116	22
	-115	16
	-114	22
	-113	20
	-112	42
	-111	26
	-110	28
	-109	25
	-108	38
	-107	32
	-106	39
	-105	39
	-104	54
	-103	46
	-102	65

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	-101	73
	-100	88
	-99	88

	-98	80
	-97	102
	-96	83
	-95	98
	-94	120
	-93	113
	-92	129
	-91	141
	-90	126
	-89	141
	-88	166
	-87	172
	-86	210
	-85	198
	-84	236
	-83	253
	-82	282
	-81	260
	-80	316
	-79	339
	-78	354
	-77	394
	-76	407
	-75	432
	-74	437
	-73	468
	-72	479
	-71	557
	-70	571
	-69	599
	-68	651
	-67	729
	-66	719
	-65	800
	-64	813
	-63	876
	-62	928
	-61	971
	-60	1015
	-59	1117
	-58	1161
	-57	1267

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	-56	1305
	-55	1370
	-54	1422
	-53	1534
	-52	1600
	-51	1596

-50	1729
-49	1815
-48	1900
-47	1918
-46	2069
-45	2139
-44	2365
-43	2322
-42	2444
-41	2594
-40	2655
-39	2784
-38	2877
-37	3061
-36	3241
-35	3286
-34	3536
-33	3632
-32	3698
-31	3852
-30	4006
-29	4068
-28	4378
-27	4404
-26	4613
-25	4708
-24	4959
-23	5237
-22	5389
-21	5455
-20	5598
-19	5770
-18	5885
-17	6193
-16	6236
-15	6469
-14	6496
-13	6644
-12	6712

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	-11	6593
	-10	6438
	-9	6456
	-8	6486
	-7	6152
	-6	6052
	-5	6004
	-4	5670
	-3	5469

	-2	5100
	-1	4920
	0	125697
	1	4357
	2	4172
	3	3953
	4	3595
	5	3569
	6	3378
	7	3153
	8	2951
	9	2829
	10	2659
	11	2415
	12	2333
	13	2330
	14	2183
	15	1988
	16	1974
	17	1842
	18	1786
	19	1806
	20	1634
	21	1566
	22	1492
	23	1446
	24	1426
	25	1335
	26	1214
	27	1212
	28	1172
	29	1114
	30	1139
	31	1120
	32	1044
	33	998

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	34	986
	35	937
	36	921
	37	881
	38	874
	39	842
	40	840
	41	802
	42	778
	43	740
	44	701
	45	669

46	720
47	722
48	684
49	677
50	647
51	611
52	618
53	589
54	584
55	574
56	489
57	574
58	537
59	532
60	531
61	506
62	453
63	453
64	455
65	453
66	478
67	448
68	412
69	418
70	395
71	394
72	403
73	400
74	357
75	356
76	378
77	359
78	324

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	79	336
	80	313
	81	312
	82	317
	83	320
	84	323
	85	318
	86	317
	87	316
	88	302
	89	300
	90	249
	91	286
	92	266
	93	304

94	280
95	255
96	279
97	281
98	256
99	251
100	240
101	267
102	235
103	227
104	214
105	238
106	232
107	192
108	217
109	177
110	218
111	202
112	186
113	205
114	184
115	230
116	189
117	194
118	185
119	184
120	167
121	193
122	168
123	208

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	124	170
	125	190
	126	140
	127	160
	128	176
	129	176
	130	174
	131	168
	132	178
	133	158
	134	167
	135	159
	136	173
	137	124
	138	148
	139	159
	140	188
	141	145

	142	130
	143	124
	144	150
	145	126
	146	142
	147	132
	148	119
	149	129
	150	120
	151	116
	152	139
	153	143
	154	135
	155	156
	156	110
	157	137
	158	107
	159	106
	160	126
	161	112
	162	120
	163	100
	164	119
	165	106
	166	124
	167	101
	168	105

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	169	106
	170	99
	171	98
	172	89
	173	90
	174	81
	175	96
	176	83
	177	81
	178	99
	179	101
	180	93
	181	84
	182	90
	183	80
	184	91
	185	101
	186	95
	187	100
	188	92
	189	81

	190	77
	191	88
	192	96
	193	83
	194	73
	195	97
	196	78
	197	90
	198	113
	199	85
	200	69
	201	63
	202	73
	203	65
	204	58
	205	71
	206	68
	207	71
	208	69
	209	65
	210	80
	211	60
	212	81
	213	65

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	214	57
	215	75
	216	61
	217	64
	218	69
	219	50
	220	46
	221	58
	222	55
	223	71
	224	52
	225	64
	226	57
	227	51
	228	62
	229	46
	230	40
	231	51
	232	54
	233	50
	234	62
	235	59
	236	52
	237	45

	238	50
	239	54
	240	52
	241	41
	242	49
	243	57
	244	50
	245	47
	246	41
	247	44
	248	51
	249	35
	250	45
	251	56
	252	51
	253	47
	254	44
	255	44
	256	59
	257	46
	258	43

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	259	33
	260	27
	261	37
	262	44
	263	47
	264	42
	265	32
	266	44
	267	41
	268	32
	269	31
	270	37
	271	39
	272	37
	273	45
	274	23
	275	44
	276	30
	277	33
	278	45
	279	29
	280	39
	281	34
	282	35
	283	32
	284	39
	285	35

286	27
287	40
288	30
289	38
290	43
291	28
292	26
293	35
294	44
295	31
296	37
297	32
298	40
299	29
300	39
301	24
302	31
303	35

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	304	23
	305	27
	306	51
	307	30
	308	28
	309	37
	310	25
	311	31
	312	32
	313	38
	314	33
	315	36
	316	25
	317	34
	318	26
	319	22
	320	38
	321	24
	322	28
	323	33
	324	13
	325	22
	326	20
	327	17
	328	22
	329	23
	330	21
	331	23
	332	22
	333	19

	334	28
	335	25
	336	13
	337	16
	338	26
	339	22
	340	21
	341	21
	342	28
	343	19
	344	28
	345	23
	346	27
	347	19
	348	15

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	349	21
	350	25
	351	20
	352	22
	353	17
	354	21
	355	24
	356	20
	357	16
	358	20
	359	15
	360	18
	361	29
	362	18
	363	14
	364	15
	365	14
	366	21
	367	20
	368	16
	369	15
	370	15
	371	23
	372	13
	373	17
	374	18
	375	17
	376	17
	377	17
	378	23
	379	9
	380	19
	381	19

	382	19
	383	19
	384	15
	385	19
	386	13
	387	9
	388	18
	389	19
	390	13
	391	18
	392	19
	393	17

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	394	17
	395	18
	396	12
	397	19
	398	17
	399	14
	400	13
	401	17
	402	9
	403	18
	404	6
	405	15
	406	14
	407	9
	408	13
	409	14
	410	10
	411	8
	412	13
	413	16
	414	13
	415	18
	416	12
	417	7
	418	5
	419	15
	420	15
	421	10
	422	15
	423	9
	424	18
	425	20
	426	6
	427	9
	428	7
	429	17

	430	11
	431	12
	432	9
	433	10
	434	11
	435	15
	436	10
	437	15
	438	8

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	439	8
	440	8
	441	3
	442	3
	443	11
	444	9
	445	11
	446	12
	447	13
	448	7
	449	10
	450	8
	451	13
	452	12
	453	13
	454	12
	455	13
	456	12
	457	10
	458	6
	459	8
	460	12
	461	11
	462	16
	463	11
	464	5
	465	10
	466	10
	467	13
	468	6
	469	15
	470	8
	471	18
	472	11
	473	7
	474	6
	475	5
	476	5
	477	8

	478	4
	479	10
	480	20
	481	12
	482	8
	483	4

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	484	16
	485	7
	486	6
	487	5
	488	8
	489	8
	490	5
	491	10
	492	11
	493	10
	494	10
	495	3
	496	9
	497	8
	498	8
	499	6
	500	3
	501	8
	502	8
	503	7
	504	1
	505	10
	506	6
	507	3
	508	6
	509	9
	510	1
	511	6
	512	4
	513	14
	514	7
	515	8
	516	6
	517	4
	518	5
	519	2
	520	4
	521	9
	522	10
	523	9
	524	5
	525	4

	526	7
	527	8
	528	5

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	529	7
	530	9
	531	5
	532	10
	533	7
	534	10
	535	4
	536	9
	537	3
	538	10
	539	4
	540	7
	541	5
	542	5
	544	2
	545	9
	546	4
	547	8
	548	3
	549	8
	550	6
	551	9
	552	8
	553	3
	554	3
	555	2
	556	6
	557	3
	559	2
	560	1
	561	3
	562	1
	563	5
	564	4
	565	2
	566	2
	567	2
	568	3
	569	3
	570	4
	571	5
	572	4
	573	3
	574	6
	575	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	576	1
	577	3
	578	1
	579	3
	580	2
	581	5
	582	5
	583	2
	584	4
	585	4
	586	2
	587	2
	588	4
	589	3
	590	3
	591	1
	592	5
	593	2
	594	5
	595	7
	596	4
	597	7
	598	4
	599	3
	600	6
	601	6
	602	8
	603	4
	604	3
	605	7
	606	1
	607	4
	609	4
	610	1
	611	2
	612	2
	613	3
	614	6
	615	9
	616	2
	617	3
	618	5
	619	4
	620	3
	621	8

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	622	2
	623	2
	624	1
	625	4
	626	5
	627	6
	628	10
	629	2
	631	5
	632	1
	633	3
	634	6
	635	1
	636	3
	637	4
	638	1
	639	4
	640	1
	641	3
	642	3
	643	4
	644	3
	645	1
	646	4
	647	3
	648	2
	650	2
	651	1
	653	3
	655	4
	656	1
	658	1
	659	3
	660	2
	661	4
	662	2
	663	4
	664	2
	665	1
	666	3
	667	2
	668	2
	669	4
	670	2
	673	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	674	2
	675	3
	676	2
	677	4
	678	3
	679	2
	683	1
	684	3
	685	2
	686	2
	687	2
	689	5
	690	1
	691	3
	693	2
	694	1
	695	1
	696	1
	697	1
	698	1
	699	2
	700	1
	701	2
	702	2
	704	2
	705	2
	706	1
	707	1
	708	5
	709	2
	710	2
	711	1
	712	4
	713	3
	714	5
	715	5
	716	2
	717	2
	719	1
	720	2
	721	2
	722	3
	723	3
	724	1
	725	3

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency

Variable	Value	Frequency
ArrDelayLagCum	726	1
	727	1
	728	1
	730	1
	733	1
	734	4
	735	3
	736	2
	738	4
	739	1
	742	2
	743	2
	744	2
	746	2
	747	2
	748	1
	749	1
	751	4
	752	1
	753	2
	755	1
	756	1
	757	3
	759	1
	760	1
	761	2
	762	5
	763	4
	764	2
	769	1
	771	1
	772	1
	773	2
	774	1
	775	2
	776	3
	778	2
	779	10
	782	2
	783	1
	784	3
	785	1
	786	1
	788	2
	789	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	791	1
	794	2
	795	2

	796	1
	797	1
	798	4
	799	3
	800	2
	801	1
	803	1
	804	1
	807	1
	809	2
	812	1
	816	2
	817	3
	819	1
	820	1
	821	1
	822	1
	825	2
	826	1
	827	1
	828	3
	830	1
	831	1
	835	1
	836	1
	837	1
	838	1
	841	1
	845	1
	846	1
	847	3
	851	3
	852	1
	854	1
	855	1
	856	1
	857	1
	858	2
	859	1
	862	1
	865	1
	866	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	867	1
	869	1
	871	1
	873	1
	874	1
	875	1

880	1
883	2
884	1
887	1
889	1
890	1
891	2
892	2
895	2
896	2
904	1
912	1
917	1
920	1
923	1
927	1
928	1
931	1
933	1
941	1
943	1
946	1
948	1
949	3
952	1
953	1
960	2
965	1
970	2
975	1
980	1
982	1
984	3
988	1
990	1
992	1
997	1
1006	1
1012	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	1021	1
	1024	1
	1025	1
	1028	1
	1029	2
	1032	1
	1033	1
	1035	2
	1036	1

	1046	1
	1048	1
	1049	1
	1052	1
	1061	4
	1062	1
	1069	3
	1079	1
	1081	1
	1097	1
	1104	1
	1106	1
	1116	1
	1120	1
	1132	1
	1142	1
	1144	1
	1151	1
	1163	1
	1171	1
	1175	1
	1184	1
	1190	2
	1201	1
	1204	1
	1219	1
	1223	1
	1227	1
	1240	1
	1284	1
	1300	1
	1305	1
	1327	1
	1351	1
	1356	1
	1389	3

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLagCum	1417	1
	1419	1
	1558	1
ArrDelayLag2	-78	1
	-73	1
	-71	2
	-70	1
	-67	1
	-66	1
	-64	1
	-63	2

-62	8
-61	3
-60	4
-59	6
-58	8
-57	7
-56	8
-55	14
-54	16
-53	17
-52	16
-51	25
-50	26
-49	28
-48	29
-47	28
-46	50
-45	64
-44	79
-43	95
-42	103
-41	122
-40	143
-39	194
-38	217
-37	272
-36	299
-35	365
-34	456
-33	538
-32	629
-31	761
-30	955

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	-29	1113
	-28	1254
	-27	1457
	-26	1777
	-25	2053
	-24	2418
	-23	2805
	-22	3185
	-21	3595
	-20	3990
	-19	4524
	-18	5123
	-17	5646
	-16	6145
	-15	6662

-14	7201
-13	7769
-12	8143
-11	8410
-10	8625
-9	8737
-8	9042
-7	8860
-6	8713
-5	8514
-4	8245
-3	7804
-2	7352
-1	6875
0	237679
1	6048
2	5573
3	5280
4	4706
5	4455
6	4049
7	3665
8	3363
9	3061
10	2824
11	2596
12	2436
13	2330
14	2166
15	1887

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	16	1750
	17	1656
	18	1549
	19	1410
	20	1370
	21	1232
	22	1256
	23	1123
	24	1095
	25	961
	26	941
	27	925
	28	860
	29	785
	30	840
	31	714
	32	692
	33	681

	34	603
	35	651
	36	552
	37	528
	38	552
	39	503
	40	482
	41	473
	42	411
	43	422
	44	398
	45	362
	46	399
	47	376
	48	348
	49	353
	50	363
	51	331
	52	292
	53	266
	54	294
	55	279
	56	255
	57	255
	58	274
	59	257
	60	229

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	61	222
	62	213
	63	234
	64	204
	65	218
	66	189
	67	161
	68	173
	69	177
	70	174
	71	147
	72	156
	73	163
	74	159
	75	133
	76	143
	77	144
	78	133
	79	137
	80	145
	81	114

82	122
83	121
84	142
85	117
86	115
87	115
88	108
89	109
90	105
91	100
92	101
93	91
94	96
95	81
96	91
97	94
98	90
99	72
100	77
101	87
102	67
103	92
104	60
105	82

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	106	66
	107	82
	108	68
	109	83
	110	73
	111	69
	112	72
	113	65
	114	58
	115	64
	116	55
	117	45
	118	62
	119	52
	120	51
	121	44
	122	45
	123	66
	124	47
	125	61
	126	46
	127	41
	128	51
	129	51

	130	48
	131	56
	132	30
	133	50
	134	48
	135	52
	136	49
	137	38
	138	40
	139	42
	140	40
	141	38
	142	32
	143	21
	144	43
	145	35
	146	36
	147	25
	148	39
	149	25
	150	25

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	151	22
	152	30
	153	39
	154	31
	155	35
	156	30
	157	33
	158	20
	159	23
	160	31
	161	24
	162	37
	163	27
	164	28
	165	30
	166	31
	167	26
	168	36
	169	23
	170	15
	171	24
	172	23
	173	25
	174	17
	175	19
	176	23
	177	22

178	23
179	14
180	23
181	12
182	24
183	17
184	21
185	14
186	19
187	21
188	14
189	9
190	12
191	17
192	15
193	8
194	13
195	21

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	196	13
	197	16
	198	16
	199	16
	200	12
	201	14
	202	12
	203	13
	204	9
	205	14
	206	6
	207	15
	208	13
	209	15
	210	15
	211	11
	212	10
	213	5
	214	11
	215	13
	216	12
	217	11
	218	12
	219	5
	220	6
	221	13
	222	8
	223	10
	224	11
	225	7

	226	8
	227	7
	228	8
	229	4
	230	9
	231	7
	232	8
	233	11
	234	8
	235	8
	236	11
	237	7
	238	2
	239	7
	240	6

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	241	13
	242	2
	243	7
	244	6
	245	6
	246	7
	247	5
	248	9
	249	4
	250	4
	251	5
	252	3
	253	6
	254	4
	255	4
	256	3
	257	6
	258	7
	259	8
	260	3
	261	3
	262	4
	263	8
	264	9
	265	9
	266	5
	267	7
	268	3
	269	4
	270	4
	271	6
	272	8
	273	3

	274	4
	275	7
	276	6
	277	4
	278	4
	279	5
	280	4
	281	4
	282	5
	283	2
	284	4
	285	3

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	286	8
	287	3
	288	6
	290	3
	291	2
	292	2
	293	6
	294	2
	295	3
	296	6
	297	4
	298	2
	299	2
	300	3
	301	3
	302	3
	303	1
	304	4
	305	3
	306	4
	307	3
	308	1
	309	2
	310	5
	311	5
	312	1
	313	6
	314	2
	315	1
	316	2
	317	6
	318	1
	319	1
	320	4
	321	2
	323	3

	324	3
	325	2
	326	3
	328	5
	329	2
	330	4
	331	2
	332	1
	333	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	334	4
	335	4
	336	3
	337	2
	338	1
	339	2
	341	4
	342	3
	343	1
	344	3
	345	2
	346	1
	347	1
	348	1
	349	1
	350	3
	351	2
	352	1
	353	1
	354	4
	355	3
	356	1
	357	4
	358	2
	359	4
	360	2
	362	2
	363	3
	364	2
	366	1
	367	1
	369	2
	370	2
	372	1
	373	2
	374	3
	375	3
	376	3
	377	2

	378	1
	379	1
	380	1
	381	2
	385	3
	386	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	387	1
	388	4
	389	2
	392	1
	393	2
	394	1
	395	1
	396	1
	397	4
	398	2
	399	2
	400	2
	401	4
	402	1
	403	3
	406	1
	407	2
	409	2
	412	1
	413	2
	415	2
	416	2
	417	1
	419	3
	420	2
	422	3
	423	1
	424	2
	426	1
	429	4
	431	3
	432	2
	435	2
	437	1
	439	1
	441	1
	442	2
	444	1
	445	1
	447	2
	448	1
	452	1

	453	1
	455	1
	466	2

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	467	2
	469	2
	471	2
	475	2
	477	1
	479	1
	480	4
	486	2
	492	4
	493	2
	494	1
	495	1
	496	2
	498	3
	499	1
	502	1
	513	2
	518	1
	520	1
	521	1
	522	1
	528	1
	529	1
	531	1
	532	1
	533	1
	535	2
	537	1
	542	2
	547	1
	557	1
	561	1
	568	1
	570	1
	574	2
	579	1
	581	1
	592	1
	600	1
	602	1
	617	1
	627	1
	628	1
	636	1
	640	1

The CATMOD Procedure

One-Way Frequencies

Variable	Value	Frequency
ArrDelayLag2	641	1
	649	1
	721	1
	723	1
	727	1
	744	1
	749	1
	763	1
	786	1
	788	1
	791	1
	795	1
	874	1
	891	1
	904	1
	1099	1
	1170	1

The CATMOD Procedure

Population Profiles

Sample	Arr Delay Lag Ind	Cancelled Lag1	CRSDep Time	Seq Num	Arr Delay Lag	Arr Delay Lag Cum	Arr Delay Lag2	Sample Size
1	0	0	0:01	1	0	0	0	3
2	0	0	0:05	1	0	0	0	38
3	0	0	0:07	1	0	0	0	1
4	0	0	0:10	1	0	0	0	25
5	0	0	0:11	1	0	0	0	3
6	0	0	0:15	1	0	0	0	70
7	0	0	0:20	1	0	0	0	88
8	0	0	0:23	1	0	0	0	1
9	0	0	0:25	1	0	0	0	53
10	0	0	0:27	1	0	0	0	48
11	0	0	0:28	1	0	0	0	1
12	0	0	0:29	1	0	0	0	25
13	0	0	0:30	1	0	0	0	236
14	0	0	0:33	1	0	0	0	1
15	0	0	0:35	1	0	0	0	61
16	0	0	0:38	1	0	0	0	25
17	0	0	0:40	1	0	0	0	87
18	0	0	0:45	1	0	0	0	105
19	0	0	0:46	1	0	0	0	3

20	0	0	0:47	1	0	0	0	31
21	0	0	0:49	1	0	0	0	17
22	0	0	0:50	1	0	0	0	105
23	0	0	0:51	1	0	0	0	6
24	0	0	0:52	1	0	0	0	26
25	0	0	0:53	1	0	0	0	2
26	0	0	0:55	1	0	0	0	99
27	0	0	0:56	1	0	0	0	1
28	0	0	0:58	1	0	0	0	7
29	0	0	0:59	1	0	0	0	80
30	0	0	1:00	1	0	0	0	63
31	0	0	1:01	1	0	0	0	23
32	0	0	1:02	1	0	0	0	1
33	0	0	1:05	1	0	0	0	36
34	0	0	1:07	1	0	0	0	1
35	0	0	1:10	1	0	0	0	31
36	0	0	1:11	1	0	0	0	1
37	0	0	1:12	1	0	0	0	4
38	0	0	1:14	1	0	0	0	24
39	0	0	1:15	1	0	0	0	42
40	0	0	1:20	1	0	0	0	58

Only the first 40 populations are displayed.

The CATMOD Procedure

Response Profiles

Response	Dep Delay Class
1	0
2	1
3	2

Maximum Likelihood Analysis

Maximum likelihood computations converged.

Maximum Likelihood Analysis of Variance

Source	DF	Chi-Square	Pr > ChiSq
Intercept	2	13951.20	<.0001
CRSDepTime	2	3010.82	<.0001
SeqNum	2	1315.13	<.0001
ArrDelayLagInd	2	11946.52	<.0001
ArrDelayLag	2	9244.33	<.0001
ArrDelayLagCum	2	166.42	<.0001
ArrDelayLag2	2	548.78	<.0001
CancelledLag1	2	660.80	<.0001

Likelihood Ratio	6E5	354535.6	1.0000	

Analysis of Maximum Likelihood Estimates

Parameter		Function Number	Estimate	Standard Error	Chi-Square	Pr > ChiSq
Intercept		1	3.0116	0.0325	8603.50	<.0001
		2	0.9178	0.0374	600.83	<.0001
CRSDepTime		1	-0.00002	5.589E-7	968.35	<.0001
		2	1.034E-6	6.097E-7	2.88	0.0899
SeqNum		1	0.1335	0.00526	645.61	<.0001
		2	0.0327	0.00564	33.66	<.0001
ArrDelayLagInd	0	1	0.1309	0.00976	179.89	<.0001
	0	2	-0.5266	0.0102	2677.14	<.0001
ArrDelayLag		1	-0.0330	0.000344	9244.27	<.0001
		2	-0.0145	0.000275	2788.40	<.0001
ArrDelayLagCum		1	-0.00215	0.000166	166.30	<.0001
		2	-0.00134	0.000160	70.11	<.0001

The CATMOD Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Function Number	Estimate	Standard Error	Chi-Square	Pr > ChiSq
ArrDelayLag2		1	-0.00725	0.000314	534.15	<.0001
		2	-0.00286	0.000289	98.23	<.0001
CancelledLag1	0	1	0.4849	0.0213	520.02	<.0001
	0	2	0.2058	0.0260	62.55	<.0001

The MI Procedure

Model Information

Data Set	WORK.BTS201503WTHR
Method	FCS
Number of Imputations	12
Number of Burn-in Iterations	20
Seed for random number generator	383340000

FCS Model Specification

Method	Imputed Variables
Regression	SNOW TMAX TMIN

Missing Data Patterns

Group	SNOW	TMAX	TMIN	Freq	Percent	Group Means SNOW	Group Means TMAX	Group Means TMIN
1	X	X	X	20203	77.32	0.307939	42.919665	25.463545
2	X	X	.	875	3.35	0	51.000000	.
3	X	.	X	1720	6.58	0	.	26.041860
4	.	X	X	3331	12.75	.	48.703092	31.119784

Variance Information (12 Imputations)

Variable	Between	Within	Total	DF
SNOW	0.000003900	0.000044781	0.000049005	1393.6
TMAX	0.000179	0.006344	0.006538	8368.6
TMIN	0.000033795	0.004143	0.004180	21935

Variance Information (12 Imputations)

Variable	Relative Increase in Variance	Fraction Missing Information	Relative Efficiency
SNOW	0.094344	0.087443	0.992766
TMAX	0.030581	0.029829	0.997520
TMIN	0.008837	0.008774	0.999269

The MI Procedure

Parameter Estimates (12 Imputations)

Variable	Mean	Std Error	95% Confidence Limits		DF
SNOW	0.275366	0.007000	0.26163	0.28910	1393.6
TMAX	44.037221	0.080861	43.87871	44.19573	8368.6
TMIN	26.396361	0.064649	26.26964	26.52308	21935

Parameter Estimates (12 Imputations)

Variable	Minimum	Maximum	MU0	t for H0: Mean=Mu0	Pr > |t|
SNOW	0.272991	0.279897	0	39.34	<.0001
TMAX	44.015380	44.053088	0	544.61	<.0001
TMIN	26.386586	26.406651	0	408.30	<.0001

---------- Imputation Number=1 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10242740	1024274	1043.66	<.0001
Error	25427	24954668	981.42400		
Corrected Total	25437	35197408			

Root MSE	31.32769	R-Square	0.2910
Dependent Mean	12.96183	Adj R-Sq	0.2907
Coeff Var	241.69188		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.14242	0.98215	14.40	<.0001
CRSDepTime	1	0.00015193	0.00001645	9.24	<.0001
SeqNum	1	-1.38984	0.15016	-9.26	<.0001
ArrDelayLagInd	1	-1.36423	0.53336	-2.56	0.0105
ArrDelayLag	1	0.34014	0.00942	36.12	<.0001
ArrDelayLagCum	1	0.01243	0.00563	2.21	0.0273
ArrDelayLag2	1	0.03719	0.01233	3.02	0.0026
CancelledLag1	1	8.57629	1.60283	5.35	<.0001
SNOW	1	10.87218	0.22933	47.41	<.0001
TMAX	1	-0.04823	0.02898	-1.66	0.0962
TMIN	1	-0.21928	0.03487	-6.29	<.0001

---------- Imputation Number=2 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10249431	1024943	1044.62	<.0001

Error	25427	24947977	981.16085
Corrected Total	25437	35197408	

Root MSE	31.32349	R-Square	0.2912
Dependent Mean	12.96183	Adj R-Sq	0.2909
Coeff Var	241.65947		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.06340	0.98167	14.33	<.0001
CRSDepTime	1	0.00015056	0.00001645	9.15	<.0001
SeqNum	1	-1.39556	0.15014	-9.30	<.0001
ArrDelayLagInd	1	-1.36856	0.53322	-2.57	0.0103
ArrDelayLag	1	0.33951	0.00942	36.06	<.0001
ArrDelayLagCum	1	0.01222	0.00563	2.17	0.0300
ArrDelayLag2	1	0.03836	0.01233	3.11	0.0019
CancelledLag1	1	8.53120	1.60272	5.32	<.0001
SNOW	1	10.90046	0.22964	47.47	<.0001
TMAX	1	-0.05123	0.02895	-1.77	0.0768
TMIN	1	-0.20861	0.03479	-6.00	<.0001

---------- Imputation Number=3 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10281600	1028160	1049.25	<.0001
Error	25427	24915808	979.89570		
Corrected Total	25437	35197408			

Root MSE	31.30329	R-Square	0.2921
Dependent Mean	12.96183	Adj R-Sq	0.2918
Coeff Var	241.50362		

Parameter Estimates

		Parameter	Standard

Variable	DF	Estimate	Error	t Value	Pr > |t|
Intercept	1	14.35746	0.97925	14.66	<.0001
CRSDepTime	1	0.00015207	0.00001644	9.25	<.0001
SeqNum	1	-1.42000	0.15003	-9.46	<.0001
ArrDelayLagInd	1	-1.26643	0.53300	-2.38	0.0175
ArrDelayLag	1	0.33728	0.00942	35.82	<.0001
ArrDelayLagCum	1	0.01227	0.00563	2.18	0.0292
ArrDelayLag2	1	0.03962	0.01232	3.22	0.0013
CancelledLag1	1	8.32770	1.60197	5.20	<.0001
SNOW	1	10.94750	0.22976	47.65	<.0001
TMAX	1	-0.06536	0.02880	-2.27	0.0233
TMIN	1	-0.19687	0.03463	-5.69	<.0001

---------- Imputation Number=4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10221662	1022166	1040.63	<.0001
Error	25427	24975746	982.25295		
Corrected Total	25437	35197408			

Root MSE	31.34091	R-Square	0.2904
Dependent Mean	12.96183	Adj R-Sq	0.2901
Coeff Var	241.79393		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.10856	0.98189	14.37	<.0001
CRSDepTime	1	0.00015429	0.00001646	9.38	<.0001
SeqNum	1	-1.41547	0.15021	-9.42	<.0001
ArrDelayLagInd	1	-1.30883	0.53354	-2.45	0.0142
ArrDelayLag	1	0.33717	0.00943	35.76	<.0001
ArrDelayLagCum	1	0.01307	0.00563	2.32	0.0204
ArrDelayLag2	1	0.03783	0.01233	3.07	0.0022
CancelledLag1	1	8.57851	1.60365	5.35	<.0001
SNOW	1	10.82196	0.22958	47.14	<.0001
TMAX	1	-0.05854	0.02884	-2.03	0.0424

TMIN	1	-0.20376	0.03471	-5.87	<.0001

---------- Imputation Number=5 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10233486	1023349	1042.33	<.0001
Error	25427	24963922	981.78794		
Corrected Total	25437	35197408			

Root MSE	31.33350	R-Square	0.2907
Dependent Mean	12.96183	Adj R-Sq	0.2905
Coeff Var	241.73669		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.05457	0.98112	14.33	<.0001
CRSDepTime	1	0.00015261	0.00001645	9.28	<.0001
SeqNum	1	-1.39111	0.15018	-9.26	<.0001
ArrDelayLagInd	1	-1.37032	0.53336	-2.57	0.0102
ArrDelayLag	1	0.33901	0.00942	35.98	<.0001
ArrDelayLagCum	1	0.01257	0.00563	2.23	0.0256
ArrDelayLag2	1	0.03735	0.01233	3.03	0.0025
CancelledLag1	1	8.52961	1.60329	5.32	<.0001
SNOW	1	10.86138	0.22935	47.36	<.0001
TMAX	1	-0.04751	0.02890	-1.64	0.1002
TMIN	1	-0.21904	0.03477	-6.30	<.0001

---------- Imputation Number=6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438

Number of Observations with Missing Values 691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10273832	1027383	1048.13	<.0001
Error	25427	24923576	980.20121		
Corrected Total	25437	35197408			

Root MSE	31.30817	R-Square	0.2919
Dependent Mean	12.96183	Adj R-Sq	0.2916
Coeff Var	241.54127		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	13.95011	0.98123	14.22	<.0001
CRSDepTime	1	0.00015374	0.00001644	9.35	<.0001
SeqNum	1	-1.41095	0.15005	-9.40	<.0001
ArrDelayLagInd	1	-1.23811	0.53311	-2.32	0.0202
ArrDelayLag	1	0.33753	0.00942	35.84	<.0001
ArrDelayLagCum	1	0.01256	0.00563	2.23	0.0257
ArrDelayLag2	1	0.03745	0.01232	3.04	0.0024
CancelledLag1	1	8.60123	1.60169	5.37	<.0001
SNOW	1	11.00864	0.23001	47.86	<.0001
TMAX	1	-0.04222	0.02888	-1.46	0.1437
TMIN	1	-0.22625	0.03473	-6.51	<.0001

---------- Imputation Number=7 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10250405	1025041	1044.76	<.0001
Error	25427	24947002	981.12253		
Corrected Total	25437	35197408			

Root MSE	31.32288	R-Square	0.2912
Dependent Mean	12.96183	Adj R-Sq	0.2909
Coeff Var	241.65475		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	13.84358	0.98118	14.11	<.0001
CRSDepTime	1	0.00015539	0.00001645	9.45	<.0001
SeqNum	1	-1.39870	0.15013	-9.32	<.0001
ArrDelayLagInd	1	-1.43956	0.53307	-2.70	0.0069
ArrDelayLag	1	0.33866	0.00942	35.95	<.0001
ArrDelayLagCum	1	0.01271	0.00563	2.26	0.0240
ArrDelayLag2	1	0.03869	0.01233	3.14	0.0017
CancelledLag1	1	8.40513	1.60289	5.24	<.0001
SNOW	1	10.88526	0.22876	47.58	<.0001
TMAX	1	-0.04289	0.02889	-1.48	0.1377
TMIN	1	-0.22291	0.03473	-6.42	<.0001

---------- Imputation Number=8 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10270826	1027083	1047.70	<.0001
Error	25427	24926582	980.31943		
Corrected Total	25437	35197408			

Root MSE	31.31005	R-Square	0.2918
Dependent Mean	12.96183	Adj R-Sq	0.2915
Coeff Var	241.55583		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.06619	0.98282	14.31	<.0001

CRSDepTime	1	0.00015031	0.00001644	9.14	<.0001
SeqNum	1	-1.37911	0.15007	-9.19	<.0001
ArrDelayLagInd	1	-1.28700	0.53321	-2.41	0.0158
ArrDelayLag	1	0.33843	0.00942	35.94	<.0001
ArrDelayLagCum	1	0.01235	0.00563	2.19	0.0282
ArrDelayLag2	1	0.03887	0.01232	3.15	0.0016
CancelledLag1	1	8.59911	1.60177	5.37	<.0001
SNOW	1	10.90106	0.22914	47.57	<.0001
TMAX	1	-0.05532	0.02894	-1.91	0.0560
TMIN	1	-0.20662	0.03476	-5.94	<.0001

---------- Imputation Number=9 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10269501	1026950	1047.51	<.0001
Error	25427	24927907	980.37152		
Corrected Total	25437	35197408			

Root MSE	31.31088	R-Square	0.2918
Dependent Mean	12.96183	Adj R-Sq	0.2915
Coeff Var	241.56225		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.11141	0.98192	14.37	<.0001
CRSDepTime	1	0.00014700	0.00001644	8.94	<.0001
SeqNum	1	-1.35128	0.15009	-9.00	<.0001
ArrDelayLagInd	1	-1.34470	0.53303	-2.52	0.0117
ArrDelayLag	1	0.33770	0.00942	35.86	<.0001
ArrDelayLagCum	1	0.01208	0.00563	2.15	0.0320
ArrDelayLag2	1	0.03828	0.01232	3.11	0.0019
CancelledLag1	1	8.37702	1.60233	5.23	<.0001
SNOW	1	10.97472	0.22996	47.72	<.0001
TMAX	1	-0.04551	0.02893	-1.57	0.1157
TMIN	1	-0.21863	0.03477	-6.29	<.0001

---------- Imputation Number=10 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10234467	1023447	1042.47	<.0001
Error	25427	24962941	981.74937		
Corrected Total	25437	35197408			

Root MSE	31.33288	R-Square	0.2908
Dependent Mean	12.96183	Adj R-Sq	0.2905
Coeff Var	241.73194		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.05448	0.98117	14.32	<.0001
CRSDepTime	1	0.00015319	0.00001645	9.31	<.0001
SeqNum	1	-1.41106	0.15017	-9.40	<.0001
ArrDelayLagInd	1	-1.25051	0.53353	-2.34	0.0191
ArrDelayLag	1	0.33684	0.00943	35.72	<.0001
ArrDelayLagCum	1	0.01299	0.00563	2.31	0.0211
ArrDelayLag2	1	0.03739	0.01233	3.03	0.0024
CancelledLag1	1	8.52637	1.60316	5.32	<.0001
SNOW	1	10.88979	0.23003	47.34	<.0001
TMAX	1	-0.04943	0.02891	-1.71	0.0873
TMIN	1	-0.21581	0.03477	-6.21	<.0001

---------- Imputation Number=11 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10212369	1021237	1039.30	<.0001
Error	25427	24985039	982.61842		
Corrected Total	25437	35197408			

Root MSE	31.34674	R-Square	0.2901
Dependent Mean	12.96183	Adj R-Sq	0.2899
Coeff Var	241.83891		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.08072	0.98249	14.33	<.0001
CRSDepTime	1	0.00015288	0.00001646	9.29	<.0001
SeqNum	1	-1.39298	0.15024	-9.27	<.0001
ArrDelayLagInd	1	-1.43436	0.53348	-2.69	0.0072
ArrDelayLag	1	0.33967	0.00942	36.04	<.0001
ArrDelayLagCum	1	0.01222	0.00564	2.17	0.0301
ArrDelayLag2	1	0.03882	0.01234	3.15	0.0017
CancelledLag1	1	8.64982	1.60380	5.39	<.0001
SNOW	1	10.78528	0.22921	47.05	<.0001
TMAX	1	-0.04662	0.02895	-1.61	0.1073
TMIN	1	-0.22014	0.03480	-6.33	<.0001

---------- Imputation Number=12 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	26129
Number of Observations Used	25438
Number of Observations with Missing Values	691

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10237946	1023795	1042.97	<.0001
Error	25427	24959462	981.61252		
Corrected Total	25437	35197408			

Root MSE	31.33070	R-Square	0.2909
Dependent Mean	12.96183	Adj R-Sq	0.2906

Coeff Var	241.71509	

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.26320	0.98149	14.53	<.0001
CRSDepTime	1	0.00015357	0.00001645	9.33	<.0001
SeqNum	1	-1.43626	0.15016	-9.56	<.0001
ArrDelayLagInd	1	-1.35754	0.53339	-2.55	0.0109
ArrDelayLag	1	0.33945	0.00942	36.04	<.0001
ArrDelayLagCum	1	0.01201	0.00563	2.13	0.0330
ArrDelayLag2	1	0.03905	0.01233	3.17	0.0015
CancelledLag1	1	8.52887	1.60312	5.32	<.0001
SNOW	1	10.87975	0.22985	47.33	<.0001
TMAX	1	-0.05518	0.02888	-1.91	0.0560
TMIN	1	-0.21081	0.03476	-6.07	<.0001

---------- Imputation Number=1 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	25426
Number of Observations Used	25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10248584	1024858	1044.60	<.0001
Error	25415	24934612	981.09826		
Corrected Total	25425	35183196			

Root MSE	31.32249	R-Square	0.2913
Dependent Mean	12.95564	Adj R-Sq	0.2910
Coeff Var	241.76728		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.16247	0.98225	14.42	<.0001
CRSDepTime	1	0.00015070	0.00001646	9.16	<.0001
SeqNum	1	-1.38232	0.15018	-9.20	<.0001
ArrDelayLagInd	1	-1.34890	0.53337	-2.53	0.0114
ArrDelayLag	1	0.33982	0.00942	36.09	<.0001

ArrDelayLagCum	1	0.01233	0.00563	2.19	0.0286
ArrDelayLag2	1	0.03719	0.01233	3.02	0.0026
CancelledLag1	1	8.53151	1.60267	5.32	<.0001
SNOW	1	10.92264	0.22997	47.50	<.0001
TMAX	1	-0.04843	0.02898	-1.67	0.0947
TMIN	1	-0.21862	0.03486	-6.27	<.0001

---------- Imputation Number=2 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10255403	1025540	1045.58	<.0001
Error	25415	24927793	980.82995		
Corrected Total	25425	35183196			

Root MSE	31.31820	R-Square	0.2915
Dependent Mean	12.95564	Adj R-Sq	0.2912
Coeff Var	241.73421		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.08370	0.98177	14.35	<.0001
CRSDepTime	1	0.00014931	0.00001645	9.07	<.0001
SeqNum	1	-1.38805	0.15015	-9.24	<.0001
ArrDelayLagInd	1	-1.35313	0.53323	-2.54	0.0112
ArrDelayLag	1	0.33919	0.00942	36.02	<.0001
ArrDelayLagCum	1	0.01212	0.00563	2.15	0.0314
ArrDelayLag2	1	0.03836	0.01232	3.11	0.0019
CancelledLag1	1	8.48583	1.60256	5.30	<.0001
SNOW	1	10.95137	0.23028	47.56	<.0001
TMAX	1	-0.05146	0.02895	-1.78	0.0755
TMIN	1	-0.20790	0.03479	-5.98	<.0001

---------- Imputation Number=3 ----------

The REG Procedure
Model: MODEL1

Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10287754	1028775	1050.25	<.0001
Error	25415	24895441	979.55701		
Corrected Total	25425	35183196			

Root MSE	31.29788	R-Square	0.2924
Dependent Mean	12.95564	Adj R-Sq	0.2921
Coeff Var	241.57730		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.37739	0.97935	14.68	<.0001
CRSDepTime	1	0.00015082	0.00001644	9.17	<.0001
SeqNum	1	-1.41260	0.15005	-9.41	<.0001
ArrDelayLagInd	1	-1.25023	0.53301	-2.35	0.0190
ArrDelayLag	1	0.33695	0.00942	35.79	<.0001
ArrDelayLagCum	1	0.01217	0.00563	2.16	0.0306
ArrDelayLag2	1	0.03964	0.01232	3.22	0.0013
CancelledLag1	1	8.28130	1.60180	5.17	<.0001
SNOW	1	10.99938	0.23040	47.74	<.0001
TMAX	1	-0.06554	0.02880	-2.28	0.0229
TMIN	1	-0.19621	0.03463	-5.67	<.0001

---------- Imputation Number=4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10227463	1022746	1041.57	<.0001
Error	25415	24955733	981.92931		

Corrected Total	25425	35183196

Root MSE	31.33575	R-Square	0.2907
Dependent Mean	12.95564	Adj R-Sq	0.2904
Coeff Var	241.86965		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.12909	0.98199	14.39	<.0001
CRSDepTime	1	0.00015308	0.00001646	9.30	<.0001
SeqNum	1	-1.40809	0.15023	-9.37	<.0001
ArrDelayLagInd	1	-1.29338	0.53356	-2.42	0.0154
ArrDelayLag	1	0.33685	0.00943	35.72	<.0001
ArrDelayLagCum	1	0.01297	0.00563	2.30	0.0214
ArrDelayLag2	1	0.03784	0.01233	3.07	0.0022
CancelledLag1	1	8.53364	1.60349	5.32	<.0001
SNOW	1	10.87212	0.23022	47.22	<.0001
TMAX	1	-0.05882	0.02884	-2.04	0.0414
TMIN	1	-0.20301	0.03471	-5.85	<.0001

---------- Imputation Number=5 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	25426
Number of Observations Used	25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10239280	1023928	1043.27	<.0001
Error	25415	24943916	981.46435		
Corrected Total	25425	35183196			

Root MSE	31.32833	R-Square	0.2910
Dependent Mean	12.95564	Adj R-Sq	0.2907
Coeff Var	241.81238		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|

Intercept	1	14.07288	0.98124	14.34	<.0001
CRSDepTime	1	0.00015137	0.00001646	9.20	<.0001
SeqNum	1	-1.38362	0.15020	-9.21	<.0001
ArrDelayLagInd	1	-1.35486	0.53337	-2.54	0.0111
ArrDelayLag	1	0.33869	0.00942	35.95	<.0001
ArrDelayLagCum	1	0.01247	0.00563	2.21	0.0268
ArrDelayLag2	1	0.03735	0.01233	3.03	0.0025
CancelledLag1	1	8.48484	1.60312	5.29	<.0001
SNOW	1	10.91195	0.22998	47.45	<.0001
TMAX	1	-0.04764	0.02890	-1.65	0.0993
TMIN	1	-0.21846	0.03477	-6.28	<.0001

---------- Imputation Number=6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10279918	1027992	1049.12	<.0001
Error	25415	24903278	979.86534		
Corrected Total	25425	35183196			

Root MSE	31.30280	R-Square	0.2922
Dependent Mean	12.95564	Adj R-Sq	0.2919
Coeff Var	241.61532		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	13.97054	0.98132	14.24	<.0001
CRSDepTime	1	0.00015250	0.00001644	9.27	<.0001
SeqNum	1	-1.40351	0.15007	-9.35	<.0001
ArrDelayLagInd	1	-1.22195	0.53312	-2.29	0.0219
ArrDelayLag	1	0.33720	0.00942	35.81	<.0001
ArrDelayLagCum	1	0.01246	0.00563	2.21	0.0269
ArrDelayLag2	1	0.03745	0.01232	3.04	0.0024
CancelledLag1	1	8.55602	1.60151	5.34	<.0001
SNOW	1	11.06029	0.23065	47.95	<.0001
TMAX	1	-0.04245	0.02887	-1.47	0.1416
TMIN	1	-0.22558	0.03473	-6.50	<.0001

---------- Imputation Number=7 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10256202	1025620	1045.70	<.0001
Error	25415	24926994	980.79851		
Corrected Total	25425	35183196			

Root MSE	31.31770	R-Square	0.2915
Dependent Mean	12.95564	Adj R-Sq	0.2912
Coeff Var	241.73034		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	13.86294	0.98127	14.13	<.0001
CRSDepTime	1	0.00015418	0.00001645	9.37	<.0001
SeqNum	1	-1.39126	0.15015	-9.27	<.0001
ArrDelayLagInd	1	-1.42470	0.53309	-2.67	0.0075
ArrDelayLag	1	0.33834	0.00942	35.92	<.0001
ArrDelayLagCum	1	0.01262	0.00563	2.24	0.0251
ArrDelayLag2	1	0.03869	0.01232	3.14	0.0017
CancelledLag1	1	8.35993	1.60274	5.22	<.0001
SNOW	1	10.93526	0.22939	47.67	<.0001
TMAX	1	-0.04313	0.02889	-1.49	0.1355
TMIN	1	-0.22219	0.03473	-6.40	<.0001

---------- Imputation Number=8 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10276809	1027681	1048.67	<.0001
Error	25415	24906387	979.98767		
Corrected Total	25425	35183196			

Root MSE	31.30475	R-Square	0.2921
Dependent Mean	12.95564	Adj R-Sq	0.2918
Coeff Var	241.63040		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.08639	0.98291	14.33	<.0001
CRSDepTime	1	0.00014906	0.00001645	9.06	<.0001
SeqNum	1	-1.37152	0.15009	-9.14	<.0001
ArrDelayLagInd	1	-1.27123	0.53322	-2.38	0.0171
ArrDelayLag	1	0.33810	0.00941	35.91	<.0001
ArrDelayLagCum	1	0.01225	0.00563	2.18	0.0295
ArrDelayLag2	1	0.03887	0.01232	3.16	0.0016
CancelledLag1	1	8.55440	1.60160	5.34	<.0001
SNOW	1	10.95160	0.22977	47.66	<.0001
TMAX	1	-0.05556	0.02894	-1.92	0.0549
TMIN	1	-0.20590	0.03476	-5.92	<.0001

---------- Imputation Number=9 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read	25426
Number of Observations Used	25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10275617	1027562	1048.50	<.0001
Error	25415	24907579	980.03458		
Corrected Total	25425	35183196			

Root MSE	31.30550	R-Square	0.2921
Dependent Mean	12.95564	Adj R-Sq	0.2918
Coeff Var	241.63618		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.13327	0.98201	14.39	<.0001
CRSDepTime	1	0.00014572	0.00001645	8.86	<.0001
SeqNum	1	-1.34354	0.15010	-8.95	<.0001
ArrDelayLagInd	1	-1.32908	0.53304	-2.49	0.0127
ArrDelayLag	1	0.33737	0.00942	35.83	<.0001
ArrDelayLagCum	1	0.01197	0.00563	2.13	0.0334
ArrDelayLag2	1	0.03828	0.01232	3.11	0.0019
CancelledLag1	1	8.33056	1.60217	5.20	<.0001
SNOW	1	11.02618	0.23061	47.81	<.0001
TMAX	1	-0.04577	0.02893	-1.58	0.1136
TMIN	1	-0.21790	0.03477	-6.27	<.0001

---------- Imputation Number=10 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10240359	1024036	1043.42	<.0001
Error	25415	24942837	981.42189		
Corrected Total	25425	35183196			

Root MSE	31.32765	R-Square	0.2911
Dependent Mean	12.95564	Adj R-Sq	0.2908
Coeff Var	241.80715		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.07502	0.98126	14.34	<.0001
CRSDepTime	1	0.00015196	0.00001646	9.23	<.0001
SeqNum	1	-1.40365	0.15019	-9.35	<.0001
ArrDelayLagInd	1	-1.23459	0.53355	-2.31	0.0207
ArrDelayLag	1	0.33651	0.00943	35.69	<.0001
ArrDelayLagCum	1	0.01289	0.00563	2.29	0.0221
ArrDelayLag2	1	0.03739	0.01233	3.03	0.0024
CancelledLag1	1	8.48093	1.60300	5.29	<.0001

SNOW	1	10.94057	0.23067	47.43	<.0001
TMAX	1	-0.04970	0.02891	-1.72	0.0857
TMIN	1	-0.21508	0.03477	-6.19	<.0001

---------- Imputation Number=11 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426
Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10218010	1021801	1040.21	<.0001
Error	25415	24965186	982.30125		
Corrected Total	25425	35183196			

Root MSE	31.34169	R-Square	0.2904
Dependent Mean	12.95564	Adj R-Sq	0.2901
Coeff Var	241.91545		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.10277	0.98261	14.35	<.0001
CRSDepTime	1	0.00015166	0.00001647	9.21	<.0001
SeqNum	1	-1.38553	0.15026	-9.22	<.0001
ArrDelayLagInd	1	-1.41972	0.53350	-2.66	0.0078
ArrDelayLag	1	0.33936	0.00942	36.01	<.0001
ArrDelayLagCum	1	0.01212	0.00564	2.15	0.0315
ArrDelayLag2	1	0.03882	0.01233	3.15	0.0016
CancelledLag1	1	8.60561	1.60365	5.37	<.0001
SNOW	1	10.83438	0.22984	47.14	<.0001
TMAX	1	-0.04698	0.02895	-1.62	0.1046
TMIN	1	-0.21932	0.03480	-6.30	<.0001

---------- Imputation Number=12 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: DepDelay

Number of Observations Read 25426

Number of Observations Used 25426

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	10243839	1024384	1043.92	<.0001
Error	25415	24939357	981.28496		
Corrected Total	25425	35183196			

Root MSE	31.32547	R-Square	0.2912
Dependent Mean	12.95564	Adj R-Sq	0.2909
Coeff Var	241.79028		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.28305	0.98160	14.55	<.0001
CRSDepTime	1	0.00015234	0.00001646	9.26	<.0001
SeqNum	1	-1.42898	0.15018	-9.52	<.0001
ArrDelayLagInd	1	-1.34200	0.53340	-2.52	0.0119
ArrDelayLag	1	0.33913	0.00942	36.01	<.0001
ArrDelayLagCum	1	0.01191	0.00563	2.11	0.0345
ArrDelayLag2	1	0.03905	0.01233	3.17	0.0015
CancelledLag1	1	8.48364	1.60296	5.29	<.0001
SNOW	1	10.93077	0.23049	47.42	<.0001
TMAX	1	-0.05536	0.02887	-1.92	0.0552
TMIN	1	-0.21017	0.03476	-6.05	<.0001

The MIANALYZE Procedure

Model Information

Data Set	WORK.BTS201503WTHRIMP_MIMP
Number of Imputations	12

Variance Information (12 Imputations)

Parameter	Variance Between	Variance Within	Variance Total	DF
SNOW	0.003853	0.052987	0.057161	2063.3
TMAX	0.000046442	0.000835	0.000886	3409.1
TMIN	0.000076067	0.001208	0.001290	2697.1

Variance Information (12 Imputations)

	Relative	Fraction

Parameter	Increase in Variance	Missing Information	Relative Efficiency
SNOW	0.078767	0.073913	0.993878
TMAX	0.060225	0.057357	0.995243
TMIN	0.068220	0.064557	0.994649

Parameter Estimates (12 Imputations)

Parameter	Estimate	Std Error	95% Confidence Limits		DF
SNOW	10.944710	0.239083	10.47584	11.41358	2063.3
TMAX	-0.050903	0.029761	-0.10925	0.00745	3409.1
TMIN	-0.213363	0.035921	-0.28380	-0.14293	2697.1

Parameter Estimates (12 Imputations)

Parameter	Minimum	Maximum	Theta0	t for H0: Parameter=Theta0	Pr > |t|
SNOW	10.834382	11.060290	0	45.78	<.0001
TMAX	-0.065542	-0.042447	0	-1.71	0.0873
TMIN	-0.225578	-0.196211	0	-5.94	<.0001


```
Call:
polr(formula = DepDelayClassR ~ CRSDepTime + SeqNum + ArrDelayLagInd +
    ArrDelayLag + ArrDelayLagCum + ArrDelayLag2 + CancelledLag1,
    data = SASfile, Hess = TRUE)

Coefficients:
    CRSDepTime         SeqNum ArrDelayLagInd    ArrDelayLag ArrDelayLagCum
  1.809189e-05  -1.091829e-01   9.259305e-01   2.539706e-02   1.096915e-03
  ArrDelayLag2  CancelledLag1
  4.801224e-03   8.002886e-01

Intercepts:
      0|1       1|2
-5707.580 -5705.793

Residual Deviance: 501073.96
AIC: 501091.96
```