

Name Jerry

Student Number _____

STA 441s 2024 Quiz 8

1. For the Diversity data,

- (a) (3 points) give the lower and upper 95% prediction interval for employee 508. The answer is a pair of numbers. Write the two numbers in the space below. On your printout, circle the numbers and write “Question 1a” beside them.

11.8346, 22.8328

- (b) (3 points) What percentage of the observations in the replication sample were within the prediction interval? The answer is a number between zero and one hundred. Write the number in the space below. On your printout, circle the number and write “Question 1b” beside it.

93.7

2. For the Raptors data, you fit a first-order autoregressive model. Based on that model,

- (a) (1 point) What is the estimated first-order autocorrelation between the error terms? The answer is a number on your printout. Write the number in the space below. On your printout, circle the number and write “Question 2a” beside it.

0.1752

- (b) (1 point) You tested Home versus away game, controlling for Opponents’ won-lost record, Days since last game, and Weekend versus weekday. Please fill in the table below

t , χ^2 or F Statistic (a number)	p -value (a number or range)	Reject H_0 ? (Yes or No)	Statistically Significant? (Yes or No)
t = 4.05	0.0001	Yes	Yes

On your printout, circle the test statistic and write “Question 2b” beside it.

- (c) (2 points) In plain, non-statistical language, what do you conclude from the test of Home versus away? Don’t touch the time series issue.

Allowing for opponent's won-lost record, days since last game and weekend versus weekday, the Raptors did better at home.

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
72
73      /* 441s24HW8DiversityPred.sas */
74      title 'STA441s24 HW8 Check: Prediction for the Diversity Data';
75
76      /* Read data from Excel spreadsheets */
77      proc import datafile="/home/u1407221/441s24/data/DiversityExplore.xlsx"
78          out=explor dbms=xlsx replace;
79          getnames=yes;

```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with options MSGLEVEL=I.

NOTE: The import data set has 500 observations and 47 variables.

NOTE: WORK.EXPLOR data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.20 seconds
user cpu time	0.20 seconds
system cpu time	0.00 seconds
memory	3640.78k
OS Memory	37376.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	129 Switch Count 4
Page Faults	0
Page Reclaims	809
Page Swaps	0
Voluntary Context Switches	29
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	520

```

80      proc import datafile="/home/u1407221/441s24/data/DiversityReplic.xlsx"
81          out=replic dbms=xlsx replace;
82          getnames=yes;
83

```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with options MSGLEVEL=I.

NOTE: The import data set has 500 observations and 47 variables.

NOTE: WORK.REPLIC data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	0.22 seconds
user cpu time	0.22 seconds
system cpu time	0.01 seconds
memory	3640.78k
OS Memory	37376.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	130 Switch Count 4
Page Faults	0
Page Reclaims	706
Page Swaps	0
Voluntary Context Switches	31
Involuntary Context Switches	1
Block Input Operations	0
Block Output Operations	520

```

84      proc format;
85          value ynfmt 0 = 'No' 1 = 'Yes';
NOTE: Format YNFMT is already on the library WORK.FORMATS.
NOTE: Format YNFMT has been output.
86          value sexfmt 0 = 'Male' 1 = 'Female';
NOTE: Format SEXFMT is already on the library WORK.FORMATS.
NOTE: Format SEXFMT has been output.
87          value marfmt 1 = 'Never married'
88                      2 = 'Married'
89                      3 = 'Divorced or separated'
90                      4 = 'Widowed';
NOTE: Format MARFMT is already on the library WORK.FORMATS.
NOTE: Format MARFMT has been output.
91

```

NOTE: PROCEDURE FORMAT used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	257.21k
OS Memory	34728.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	131 Switch Count 0
Page Faults	0
Page Reclaims	17
Page Swaps	0

```

Voluntary Context Switches      0
Involuntary Context Switches    0
Block Input Operations           0
Block Output Operations         40

```

```

92      data diversity;
93          set explor replic; /* Combined data set */
94          /* Convert some character variables to numeric.
95             Must have different names. First the dummy variables. */
96          if id<501 then sample=1; else sample=2;
97          sex = input(Gender, 8.); minority = input(VisMinority, 8.);
98          foreign = input(CAN_Foreign_Born, 8.);
99          education = input(EDUClevel, 8.); /* Numeric version of education level */
100         mstatus = input(MaritalStatus, 8.);
101         /* I really want age to have the same name. */
102         numericage = input(age, 8.);
103         drop age; rename numericage=age;
104         /* Indicator for Married */
105         if mstatus = . then married = .;
106             else if mstatus = 2 then married = 1;
107             else married = 0;
108         /* Compute scales */
109         comorg = sum(of com1-com10);
110         relcol = sum(of relc1-relc5);
111         relman = sum(of relm1-relm12);
112         fairad = sum(of fair1-fair6);
113         jobsat = sum(of sat1-sat4);
114         comdiv = sum(of sml-sm3);
115         label
116             mstatus = 'Marital Status'
117             comorg = 'Commitment to the organization'
118             relcol = 'Relations with colleagues at work'
119             relman = 'Relations with management'
120             fairad = 'Fair opportunities for advancement'
121             jobsat = 'Job satisfaction'
122             comdiv = 'Senior management's commitment to diversity'
123             minority = 'Visible minority'
124             foreign = 'Born outside Canada'
125             educ = 'Numeric EDUClevel';
126
127         format sex sexfmt.;
128         format minority foreign married ynfmt.;
129         format mstatus marfmt.;
130
131     /*
132     proc freq data=diversity;
133         tables sample;
134         tables id*sample / norow nocol nopercnt missing;
135     */
136

```

NOTE: Variable educ is uninitialized.
NOTE: There were 500 observations read from the data set WORK.EXPLOR.
NOTE: There were 500 observations read from the data set WORK.REPLIC.
NOTE: The data set WORK.DIVERSITY has 1000 observations and 60 variables.
NOTE: DATA statement used (Total process time):

```

real time          0.00 seconds
user cpu time      0.01 seconds
system cpu time    0.00 seconds
memory            2132.15k
OS Memory          35508.00k
Timestamp          03/08/2024 02:07:32 AM
Step Count         132   Switch Count   2
Page Faults        0
Page Reclaims      145
Page Swaps         0
Voluntary Context Switches 13
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 1032

```

```

137      data predict;
138          set diversity;
139          keeper = jobsat+relcol+relman+fairad+minority;
140          /* keeper will be missing if any of the vars are missing */
141          if keeper ne .; /* Discards all other cases */
142          jobsat2 = jobsat; /* Save value of jobsat for future use */
143          if sample=2 then jobsat=. ;
144          /* Response variable is now missing for replication sample.
145             But it is preserved in jobsat2 */
146

```

NOTE: Missing values were generated as a result of performing an operation on missing values.

Each place is given by: (Number of times) at (Line):(Column).

53 at 139:43

NOTE: There were 1000 observations read from the data set WORK.DIVERSITY.

NOTE: The data set WORK.PREDICT has 947 observations and 62 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1892.87k
OS Memory	35504.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	133 Switch Count 2
Page Faults	0
Page Reclaims	161
Page Swaps	0
Voluntary Context Switches	13
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1040

```
147      proc reg plots=none data=predict;  
148          title2 'Re-running the 4-var Model to generate y-hat and prediction intervals';  
149          model jobsat = relcol relman fairad minority;  
150          output out = predata      predicted = Yhat  
151                                   L95      = lowpred  
152                                   U95      = hipred;  
153          /* Data set predata has everything in predict plus  
154             Yhat and the lower and upper 95% prediction limits. */  
155
```

NOTE: The data set WORK.PREDATA has 947 observations and 65 variables.

NOTE: PROCEDURE REG used (Total process time):

real time	0.06 seconds
user cpu time	0.06 seconds
system cpu time	0.01 seconds
memory	6173.37k
OS Memory	37832.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	134 Switch Count 4
Page Faults	0
Page Reclaims	534
Page Swaps	0
Voluntary Context Switches	33
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1088

```
156      proc print data=predata(obs=10);  
157          title2 'Q1a: First 10 cases of rplication sample';  
158          var id relcol relman fairad minority jobsat2 Yhat lowpred hipred;  
159          where sample=2;  
160
```

NOTE: There were 10 observations read from the data set WORK.PREDATA.

WHERE sample=2;

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.02 seconds
user cpu time	0.02 seconds
system cpu time	0.00 seconds
memory	1560.43k
OS Memory	36528.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	135 Switch Count 1
Page Faults	0
Page Reclaims	174
Page Swaps	0
Voluntary Context Switches	10
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	24

```
161      proc iml;  
NOTE: IML Ready  
162          title2 'Predicted y for the first case should be 9.6871';  
163          b0 = 3.14157;  
163          !                b1 = 0.11140;  
163          !                b2 = 0.06051;  
163          !                b3 = 0.33468;  
163          !                b4 = -0.94482;  
164          yhat = b0 + b1*16 + b2*40 + b3*7 + b4*0 ;  
164          !                print yhat;  
165
```

```
166
167      /* Does 95 Percent Prediction Interval really contain 95 percent of values? */
168
```

NOTE: Exiting IML.

NOTE: PROCEDURE IML used (Total process time):

real time	0.00 seconds
user cpu time	0.01 seconds
system cpu time	0.00 seconds
memory	482.75k
OS Memory	36008.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	136 Switch Count 1
Page Faults	0
Page Reclaims	95
Page Swaps	0
Voluntary Context Switches	11
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	16

```
169      data predictB;
170          set predata;
171          if (lowpred < jobsat2 < hipred) then ininterval='Yes';
172          else ininterval='No';
173
```

NOTE: There were 947 observations read from the data set WORK.PREDATA.

NOTE: The data set WORK.PREDICTB has 947 observations and 66 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1895.09k
OS Memory	36784.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	137 Switch Count 2
Page Faults	0
Page Reclaims	185
Page Swaps	0
Voluntary Context Switches	14
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	1032

```
174      proc freq data=predictB;
175          title2 'Does 95 Percent Prediction Interval Work?';
176          tables sample * ininterval / nocol nopercnt;
177
178      quit;
```

NOTE: There were 947 observations read from the data set WORK.PREDICTB.

NOTE: PROCEDURE FREQ used (Total process time):

real time	0.01 seconds
user cpu time	0.02 seconds
system cpu time	0.00 seconds
memory	1723.12k
OS Memory	37044.00k
Timestamp	03/08/2024 02:07:32 AM
Step Count	138 Switch Count 5
Page Faults	0
Page Reclaims	254
Page Swaps	0
Voluntary Context Switches	35
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	528

```
179
180
181
182
183
184      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
185
186
```

STA441s24 HW8 Check: Prediction for the Diversity Data
Re-running the 4-var Model to generate y-hat and prediction intervals

The REG Procedure
Model: MODEL1
Dependent Variable: jobsat Job satisfaction

Number of Observations Read	947
Number of Observations Used	471
Number of Observations with Missing Values	476

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	2818.95457	704.73864	90.58	<.0001
Error	466	3625.81401	7.78072		
Corrected Total	470	6444.76858			

Root MSE	2.78939	R-Square	0.4374
Dependent Mean	14.78769	Adj R-Sq	0.4326
Coeff Var	18.86295		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	Intercept	1	3.14157	0.83473	3.76	0.0002
relcol	Relations with colleagues at work	1	0.11140	0.04600	2.42	0.0158
relman	Relations with magnagement	1	0.06051	0.01685	3.59	0.0004
fairad	Fair opportunities for advancement	1	0.33468	0.03597	9.30	<.0001
minority	Visible minority	1	-0.94482	0.28033	-3.37	0.0008

STA441s24 HW8 Check: Prediction for the Diversity Data
Q1a: First 10 cases of rplication sample

Obs	id	relcol	relman	fairad	minority	jobsat2	Yhat	lowpred	hipred
472	501	16	40	7	No	7	9.6871	4.1336	15.2405
473	502	22	54	24	Yes	15	15.9473	10.4421	21.4525
474	503	20	37	19	Yes	8	13.0225	7.5159	18.5291
475	504	24	41	18	No	16	14.3202	8.8169	19.8235
476	505	20	59	24	No	19	16.9719	11.4654	22.4783
477	506	25	58	26	No	19	18.1377	12.6376	23.6378
478	507	22	48	24	No	16	16.5291	11.0360	22.0221
479	508	23	54	25	No	14	17.3382	11.8436	22.8328
480	509	16	37	17	Yes	12	11.9075	6.3931	17.4219
481	510	21	48	20	No	13	15.0790	9.5880	20.5699

Question 1a

STA441s24 HW8 Check: Prediction for the Diversity Data
Predicted y for the first case should be 9.6871

yhat
9.68713

STA441s24 HW8 Check: Prediction for the Diversity Data
Does 95 Percent Prediction Interval Work?

The FREQ Procedure

Frequency
Row Pct

Table of sample by ininterval			
sample	ininterval		
	No	Yes	Total
1	25 5.31	446 94.69	471
2	30 6.30	446 93.70	476
Total	55	892	947

Question 1b

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
72
73
74      proc reg data=bball plots=none;
75          title2 'Q2A: Basic OLS Model with proc reg';
76          model ptspread = record home dayslg weekend / dwprob;
77          /* output out=bball2 residual=rspread; */
78

```

NOTE: PROCEDURE REG used (Total process time):

```

real time          0.07 seconds
user cpu time      0.08 seconds
system cpu time    0.01 seconds
memory             4962.68k
OS Memory          33728.00k
Timestamp          03/08/2024 01:09:57 AM
Step Count         39  Switch Count  2
Page Faults        0
Page Reclaims      519
Page Swaps         0
Voluntary Context Switches 14
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 56

```

```

79      proc autoreg data=bball;
80          title2 'Q2B: First order autoregression';
81          model ptspread = record dayslg home weekend / nlag=1 method = ml;
82

```

NOTE: The graph in the RTF(WEB) destination will be rendered as an image due to the use of a gradient contour.
NOTE: The graph in the RTF(WEB) destination will be rendered as an image due to the use of a surface plot.
NOTE: The graph in the RTF(WEB) destination will be rendered as an image due to the use of a bivariate histogram.
NOTE: The graph in the PDF(WEB) destination will be rendered as an image due to the use of a gradient contour.
NOTE: The graph in the PDF(WEB) destination will be rendered as an image due to the use of a surface plot.
NOTE: The graph in the PDF(WEB) destination will be rendered as an image due to the use of a bivariate histogram.
NOTE: PROCEDURE AUTOREG used (Total process time):

```

real time          0.95 seconds
user cpu time      0.36 seconds
system cpu time    0.07 seconds
memory             34895.12k
OS Memory          65300.00k
Timestamp          03/08/2024 01:09:58 AM
Step Count         40  Switch Count 17
Page Faults        0
Page Reclaims      18502
Page Swaps         0
Voluntary Context Switches 978
Involuntary Context Switches 2
Block Input Operations 0
Block Output Operations 3088

```

```

83      proc autoreg data=bball;
84          title2 'Q2C: 6th order autoregression';
85          model ptspread = record dayslg home weekend / nlag=6 method = ml;
86
87
88      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
100

```


Q2A: Basic OLS Model with proc reg

The REG Procedure
Model: MODEL1
Dependent Variable: ptspread

Number of Observations Read	88
Number of Observations Used	88

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	3265.57333	816.39333	7.83	<.0001
Error	83	8656.14258	104.29087		
Corrected Total	87	11922			

Root MSE	10.21229	R-Square	0.2739
Dependent Mean	0.55682	Adj R-Sq	0.2389
Coeff Var	1834.04398		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	Intercept	1	13.94643	5.09429	2.74	0.0076
record	Opponent's WL record last year	1	-0.02514	0.00857	-2.93	0.0043
home		1	9.29330	2.29521	4.05	0.0001
dayslg	Days since last game	1	-1.70622	1.21340	-1.41	0.1634
weekend		1	-6.48584	2.55504	-2.54	0.0130

Q2A: Basic OLS Model with proc reg

The REG Procedure
Model: MODEL1
Dependent Variable: ptspread

Durbin-Watson D	1.646
Pr < DW	0.0595
Pr > DW	0.9405
Number of Observations	88
1st Order Autocorrelation	0.175

Note: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

Q2B: First order autoregression

The AUTOREG Procedure

Dependent Variable	ptspread
--------------------	----------

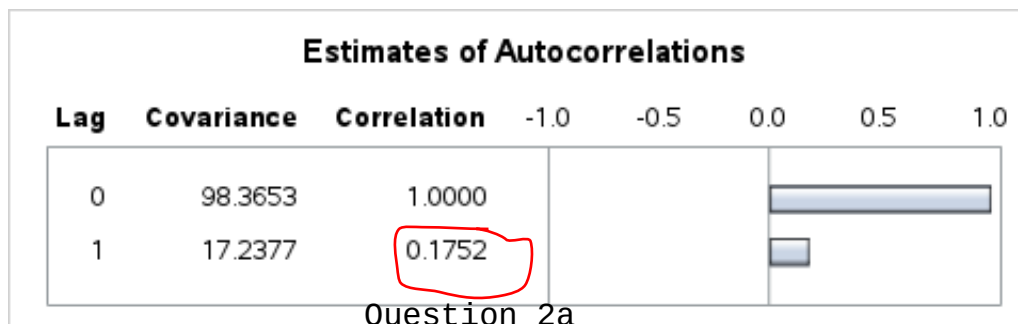
Q2B: First order autoregression

The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	8656.14258	DFE	83
MSE	104.29087	Root MSE	10.21229
SBC	675.92438	AIC	663.537696
MAE	8.08544089	AICC	664.269403
MAPE	112.00488	HQC	668.52798
Durbin-Watson	1.6459	Total R-Square	0.2739

Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	13.9464	5.0943	2.74	0.0076	
record	1	-0.0251	0.008573	-2.93	0.0043	Opponent's WL record last year
dayslg	1	-1.7062	1.2134	-1.41	0.1634	Days since last game
home	1	9.2933	2.2952	4.05	0.0001	
weekend	1	-6.4858	2.5550	-2.54	0.0130	

Question 2b



Preliminary MSE 95.3445

Estimates of Autoregressive Parameters			
Lag	Coefficient	Standard Error	t Value
1	-0.175241	0.108723	-1.61

Algorithm converged.

Q2B: First order autoregression

The AUTOREG Procedure

Maximum Likelihood Estimates			
SSE	8371.95082	DFE	82
MSE	102.09696	Root MSE	10.10430
SBC	677.498628	AIC	662.634607
MAE	7.90114303	AICC	663.671644
MAPE	111.032514	HQC	668.622948

Log Likelihood	-325.3173	Transformed Regression R-Square	0.3060
Durbin-Watson	1.9884	Total R-Square	0.2978
		Observations	88

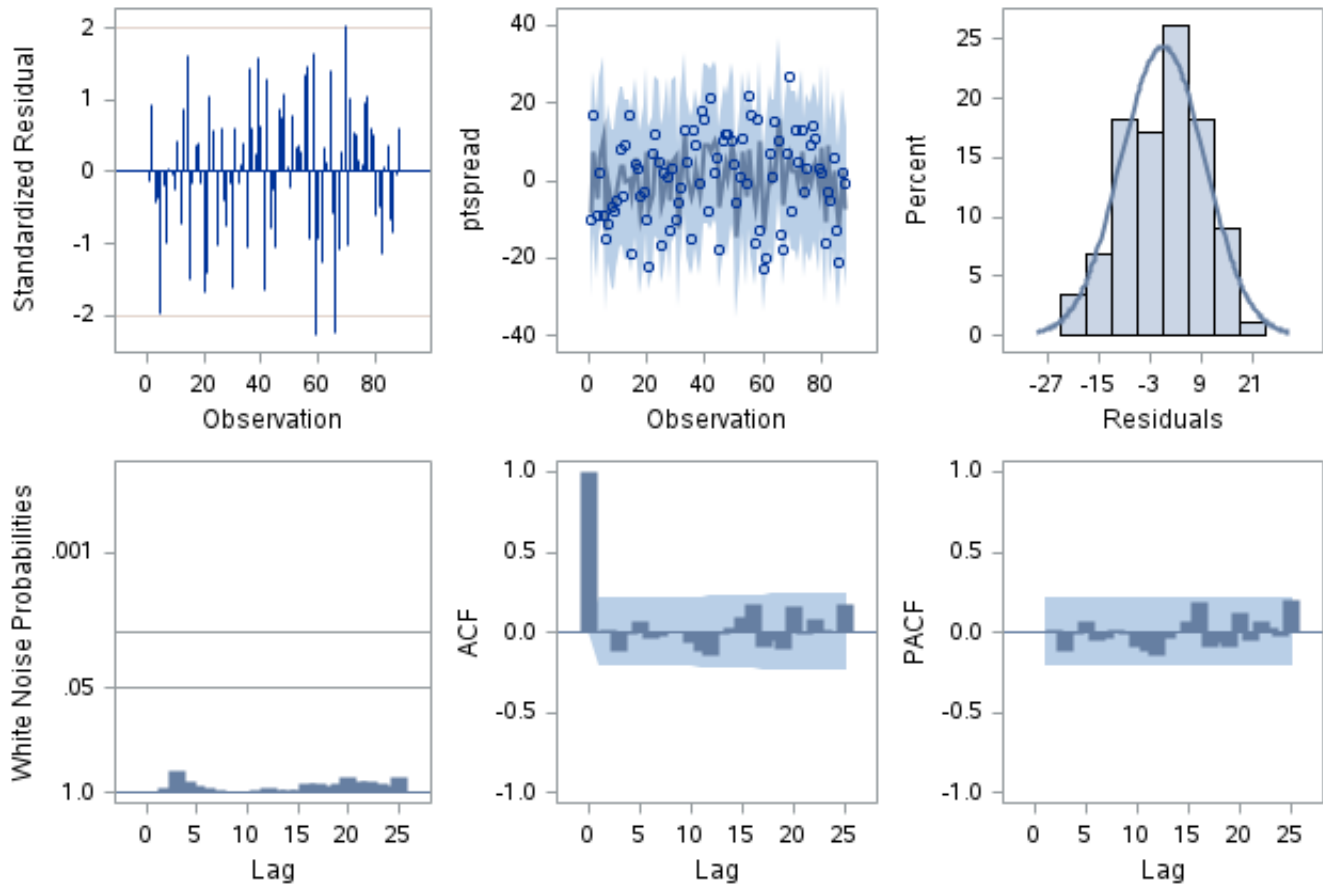
Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	15.2900	4.8306	3.17	0.0022	
record	1	-0.0275	0.007990	-3.44	0.0009	Opponent's WL record last year
dayslg	1	-1.8417	1.1085	-1.66	0.1004	Days since last game
home	1	9.3582	2.1925	4.27	<.0001	
weekend	1	-6.0093	2.3605	-2.55	0.0128	
AR1	1	-0.1843	0.1097	-1.68	0.0968	

Autoregressive parameters assumed given						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	15.2900	4.8305	3.17	0.0022	
record	1	-0.0275	0.007989	-3.44	0.0009	Opponent's WL record last year
dayslg	1	-1.8417	1.1082	-1.66	0.1004	Days since last game
home	1	9.3582	2.1862	4.28	<.0001	
weekend	1	-6.0093	2.3448	-2.56	0.0122	

Q2B: First order autoregression

The AUTOREG Procedure

Fit Diagnostics for ptspread



Observations 88 MSE 102.097 Model DF 5

Q2C: 6th order autoregression

The AUTOREG Procedure

Dependent Variable	ptsread
--------------------	---------

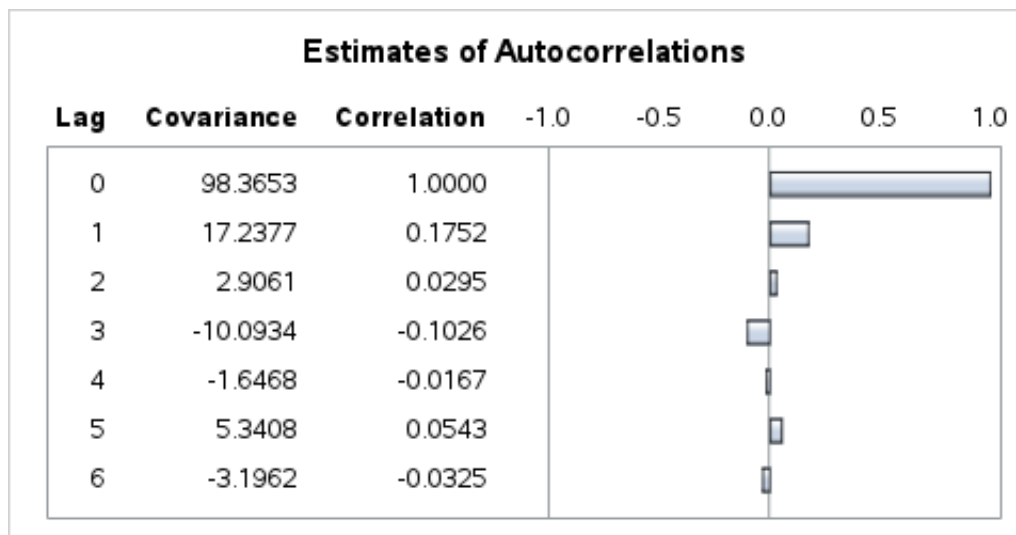
Q2C: 6th order autoregression

The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	8656.14258	DFE	83
MSE	104.29087	Root MSE	10.21229
SBC	675.92438	AIC	663.537696
MAE	8.08544089	AICC	664.269403
MAPE	112.00488	HQC	668.52798
Durbin-Watson	1.6459	Total R-Square	0.2739

Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	13.9464	5.0943	2.74	0.0076	

record	1	-0.0251	0.008573	-2.93	0.0043	Opponent's WL record last year
dayslg	1	-1.7062	1.2134	-1.41	0.1634	Days since last game
home	1	9.2933	2.2952	4.05	0.0001	
weekend	1	-6.4858	2.5550	-2.54	0.0130	



Preliminary MSE 93.3420

Estimates of Autoregressive Parameters			
Lag	Coefficient	Standard Error	t Value
1	-0.180526	0.113699	-1.59
2	-0.025621	0.115242	-0.22
3	0.123630	0.115271	1.07
4	-0.011829	0.115271	-0.10
5	-0.073402	0.115242	-0.64
6	0.067765	0.113699	0.60

Algorithm converged.

Q2C: 6th order autoregression

The AUTOREG Procedure

Maximum Likelihood Estimates			
SSE	8149.12894	DFE	77
MSE	105.83284	Root MSE	10.28751
SBC	697.632125	AIC	670.38142
MAE	7.80660688	AICC	673.855105
MAPE	114.315286	HQC	681.360045
Log Likelihood	-324.19071	Transformed Regression R-Square	0.3798
Durbin-Watson	1.9995	Total R-Square	0.3164
		Observations	88

Parameter Estimates

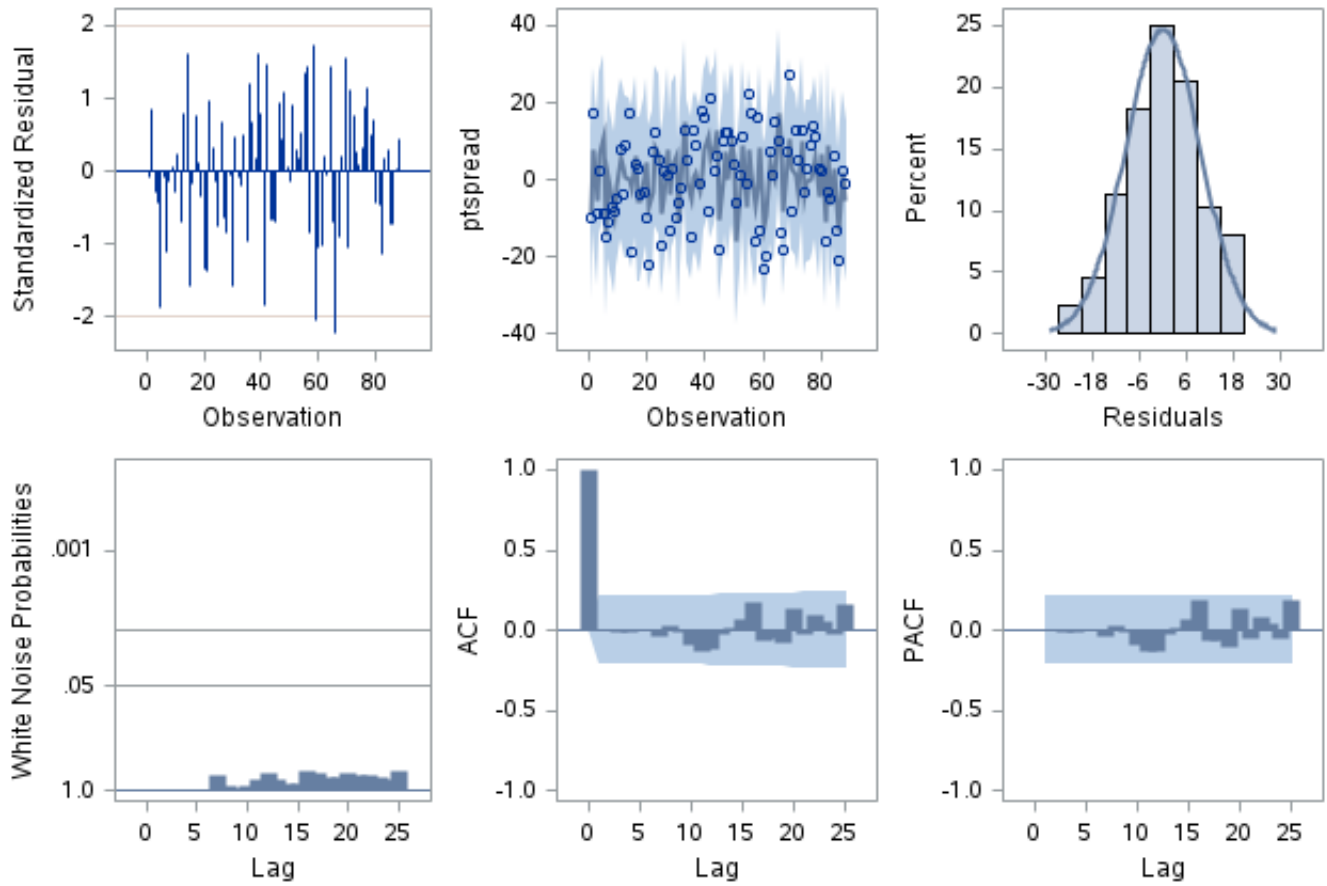
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	16.9930	4.7961	3.54	0.0007	
record	1	-0.0296	0.008202	-3.61	0.0005	Opponent's WL record last year
dayslg	1	-2.0634	1.1703	-1.76	0.0818	Days since last game
home	1	9.6636	2.2332	4.33	<.0001	
weekend	1	-7.1992	2.2117	-3.26	0.0017	
AR1	1	-0.1921	0.1152	-1.67	0.0996	
AR2	1	-0.0304	0.1181	-0.26	0.7972	
AR3	1	0.1458	0.1185	1.23	0.2221	
AR4	1	-0.0168	0.1189	-0.14	0.8879	
AR5	1	-0.0872	0.1181	-0.74	0.4625	
AR6	1	0.0838	0.1156	0.72	0.4708	

Autoregressive parameters assumed given						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	16.9930	4.7028	3.61	0.0005	
record	1	-0.0296	0.008018	-3.70	0.0004	Opponent's WL record last year
dayslg	1	-2.0634	1.1398	-1.81	0.0742	Days since last game
home	1	9.6636	2.1608	4.47	<.0001	
weekend	1	-7.1992	2.1543	-3.34	0.0013	

Q2C: 6th order autoregression

The AUTOREG Procedure

Fit Diagnostics for ptspread



Observations 88 MSE 105.8328 Model DF 5