The CONTENTS Procedure

Data Set Name	SASHELP.BASEBALL	**Observations**	322
Member Type	DATA	**Variables**	24
Engine	V9	**Indexes**	0
Created	05/27/2015 23:37:30	**Observation Length**	216
Last Modified	05/27/2015 23:37:30	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label	1986 Baseball Data		
Data Representation	HP_UX_64, RS_6000_AIX_64, SOLARIS_64, HP_IA64		
Encoding	us-ascii ASCII (ANSI)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	303
Obs in First Data Page	279
Number of Data Set Repairs	0
Filename	/sasapps/SASHome/SASFoundation/9.4/sashelp/baseball.sas7bdat
Release Created	9.0401M3
Host Created	AIX
Inode Number	49038
Access Permission	rw-r--r--
Owner Name	sas
File Size	192KB
File Size (bytes)	196608

Alphabetic List of Variables and Attributes				
#	**Variable**	**Type**	**Len**	**Label**
10	CrAtBat	Num	8	Career Times at Bat
15	CrBB	Num	8	Career Walks
11	CrHits	Num	8	Career Hits
12	CrHome	Num	8	Career Home Runs
14	CrRbi	Num	8	Career RBIs
13	CrRuns	Num	8	Career Runs
23	Div	Char	16	League and Division
17	Division	Char	8	Division at the End of 1986
16	League	Char	8	League at the End of 1986

The CONTENTS Procedure

Alphabetic List of Variables and Attributes				
#	**Variable**	**Type**	**Len**	**Label**
1	Name	Char	18	Player's Name
18	Position	Char	8	Position(s) in 1986
22	Salary	Num	8	1987 Salary in $ Thousands
2	Team	Char	14	Team at the End of 1986
9	YrMajor	Num	8	Years in the Major Leagues
24	logSalary	Num	8	Log Salary
20	nAssts	Num	8	Assists in 1986
3	nAtBat	Num	8	Times at Bat in 1986
8	nBB	Num	8	Walks in 1986
21	nError	Num	8	Errors in 1986
4	nHits	Num	8	Hits in 1986
5	nHome	Num	8	Home Runs in 1986
19	nOuts	Num	8	Put Outs in 1986
7	nRBI	Num	8	RBIs in 1986
6	nRuns	Num	8	Runs in 1986

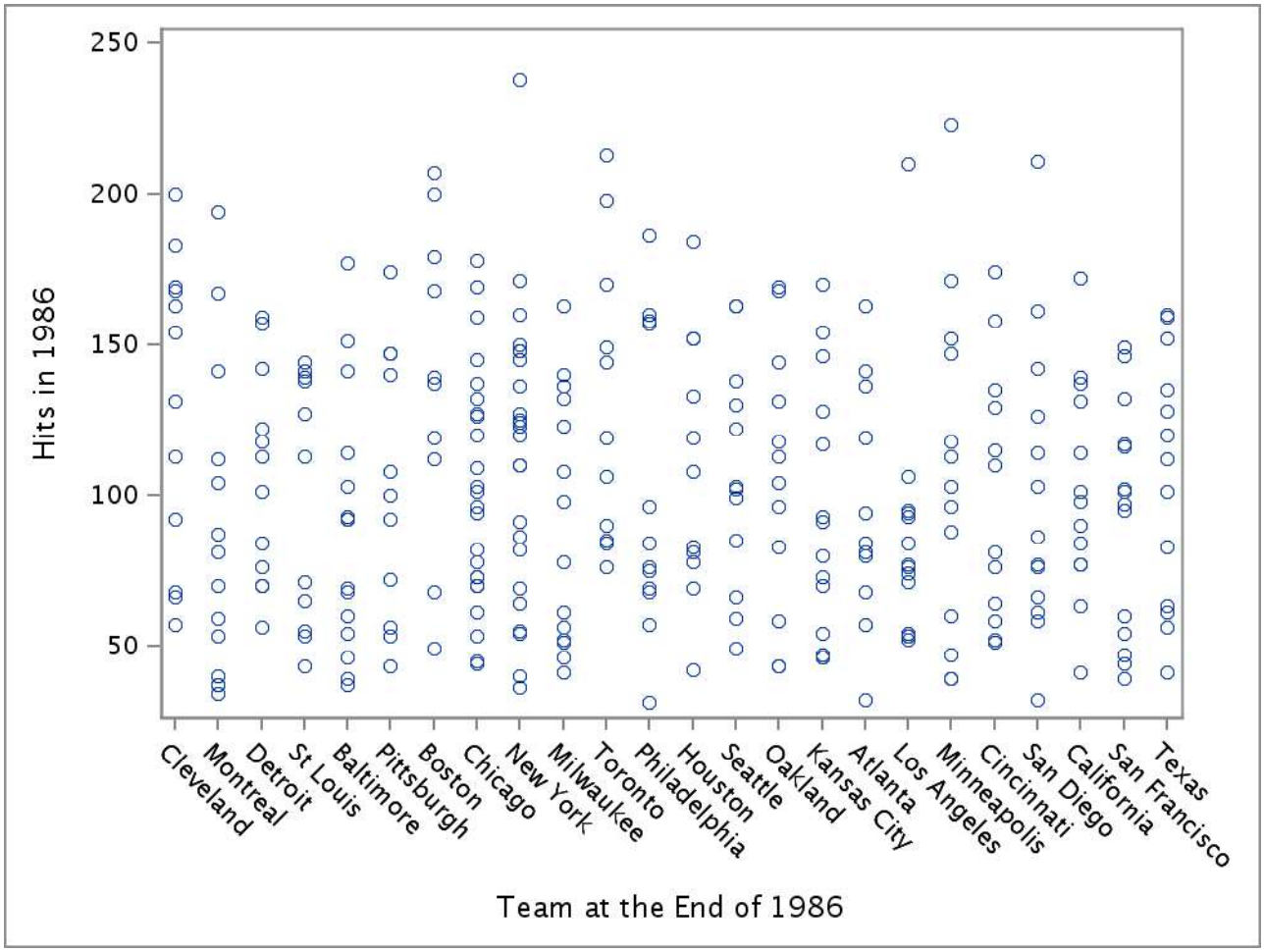
Player's Name	Team at the End of 1986	Times at Bat in 1986	Hits in 1986	Home Runs in 1986	Runs in 1986	RBIs in 1986	Walks in 1986	Years in the Major Leagues	Career Times at Bat	Career Hits	Career Home Runs	Career Runs	Career RBIs	Career Walks	League at the End of 1986
Division at the End of 1986	Position(s) in 1986	Put Outs in 1986	Assists in 1986	Errors in 1986	1987 Salary in $ Thousands		League and Division								Log Salary
Allanson, Andy	Cleveland	293	66	1	30	29	14	1	293	66	1	30	29	14	American
East	C	446	33	20	.		AE								.
Ashby, Alan	Houston	315	81	7	24	38	39	14	3449	835	69	321	414	375	National
West	C	632	43	10	475		NW								6.163315
Davis, Alan	Seattle	479	130	18	66	72	76	3	1624	457	63	224	266	263	American
West	1B	880	82	14	480		AW								6.173786
Dawson, Andre	Montreal	496	141	20	65	78	37	11	5628	1575	225	828	838	354	National
East	RF	200	11	3	500		NE								6.214608
Galarraga, Andres	Montreal	321	87	10	39	42	30	2	396	101	12	48	46	33	National
East	1B	805	40	4	91.5		NE								4.516339
Griffin, Alfredo	Oakland	594	169	4	74	51	35	11	4408	1133	19	501	336	194	American
West	SS	282	421	25	750		AW								6.620073
Newman, Al	Montreal	185	37	1	23	8	21	2	214	42	1	30	9	24	National
East	2B	76	127	7	70		NE								4.248495
Salazar, Argenis	Kansas City	298	73	0	24	24	7	3	509	108	0	41	37	12	American
West	SS	121	283	9	100		AW								4.60517
Thomas, Andres	Atlanta	323	81	6	26	32	8	2	341	86	6	32	34	8	National
West	SS	143	290	19	75		NW								4.317488
Thornton, Andre	Cleveland	401	92	17	49	66	65	13	5206	1332	253	784	890	866	American
East	DH	0	0	0	1100		AE								7.003065

Obs	Name	Team	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome
1	Allanson, Andy	Cleveland	293	66	1	30	29	14	1	293	66	1
2	Ashby, Alan	Houston	315	81	7	24	38	39	14	3449	835	69
3	Davis, Alan	Seattle	479	130	18	66	72	76	3	1624	457	63
4	Dawson, Andre	Montreal	496	141	20	65	78	37	11	5628	1575	225
5	Galarraga, Andres	Montreal	321	87	10	39	42	30	2	396	101	12
6	Griffin, Alfredo	Oakland	594	169	4	74	51	35	11	4408	1133	19
7	Newman, Al	Montreal	185	37	1	23	8	21	2	214	42	1
8	Salazar, Argenis	Kansas City	298	73	0	24	24	7	3	509	108	0
9	Thomas, Andres	Atlanta	323	81	6	26	32	8	2	341	86	6
10	Thornton, Andre	Cleveland	401	92	17	49	66	65	13	5206	1332	253

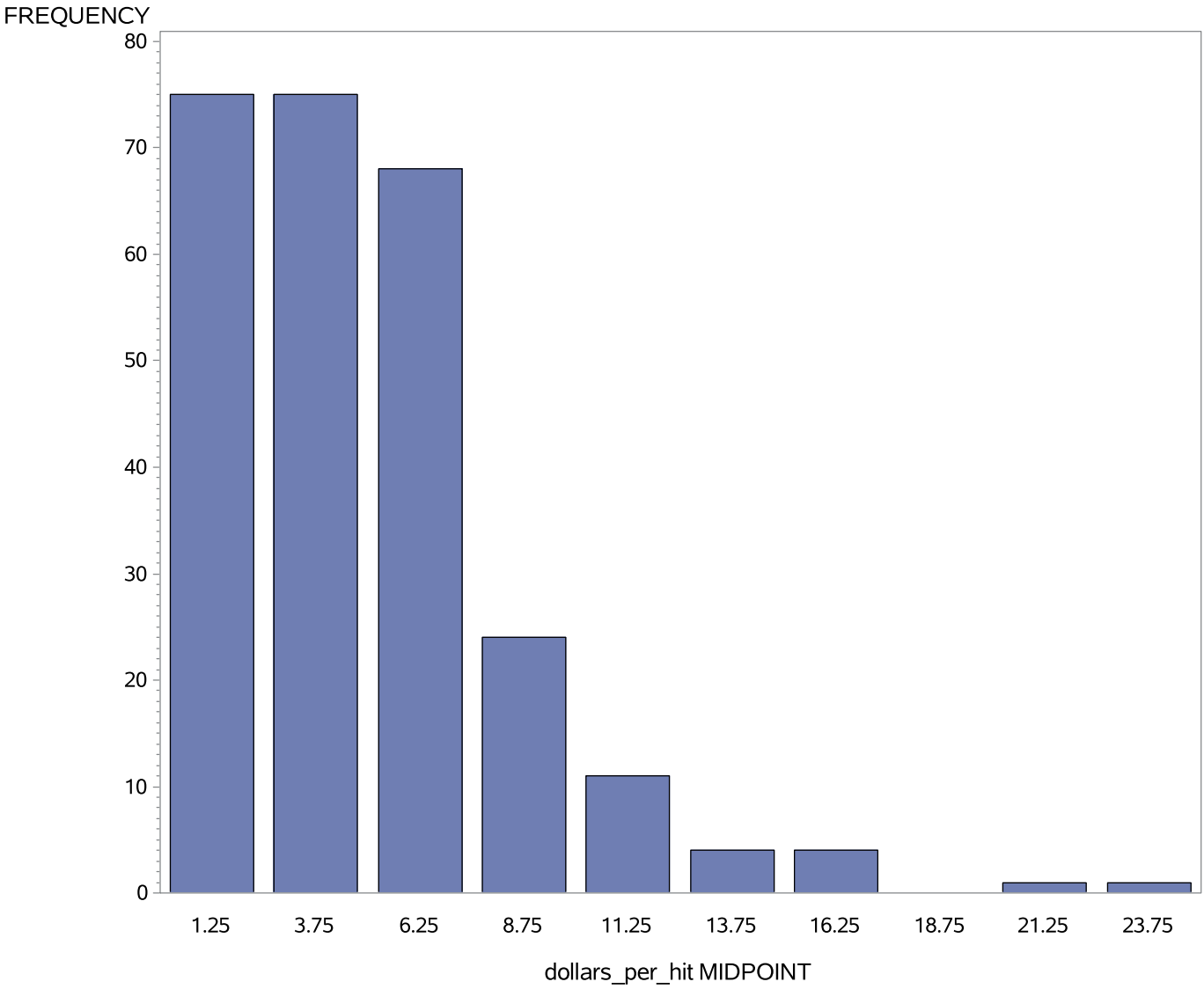
Obs	CrRuns	CrRbi	CrBB	League	Division	Position	nOuts	nAssts	nError	Salary	Div	logSalary
1	30	29	14	American	East	C	446	33	20	.	AE	.
2	321	414	375	National	West	C	632	43	10	475.0	NW	6.16331
3	224	266	263	American	West	1B	880	82	14	480.0	AW	6.17379
4	828	838	354	National	East	RF	200	11	3	500.0	NE	6.21461
5	48	46	33	National	East	1B	805	40	4	91.5	NE	4.51634
6	501	336	194	American	West	SS	282	421	25	750.0	AW	6.62007
7	30	9	24	National	East	2B	76	127	7	70.0	NE	4.24850
8	41	37	12	American	West	SS	121	283	9	100.0	AW	4.60517
9	32	34	8	National	West	SS	143	290	19	75.0	NW	4.31749
10	784	890	866	American	East	DH	0	0	0	1100.0	AE	7.00307

The MEANS Procedure

Analysis Variable : Salary 1987 Salary in $ Thousands			
Division at the End of 1986	N Obs	Lower 90% CL for Mean	Upper 90% CL for Mean
East	157	547.2443558	701.2983729
West	165	401.7847529	499.9689934


Hits in 1986
250
200
150
100
50
Cleveland
Montreal
Detroit
St Louis
Baltimore
Pittsburgh
Boston
Chicago
New York
Milwaukee
Toronto
Philadelphia
Houston
Seattle
Oakland
Kansas City
Atlanta
Los Angeles
Minneapolis
Cincinnati
San Diego
California
San Francisco
Texas
Team at the End of 1986

Dollars Per Hit According to Frequency



The REG Procedure
Model: MODEL1
Dependent Variable: nAtBat Times at Bat in 1986

Number of Observations Read	323
Number of Observations Used	322
Number of Observations with Missing Values	1

Analysis of Variance

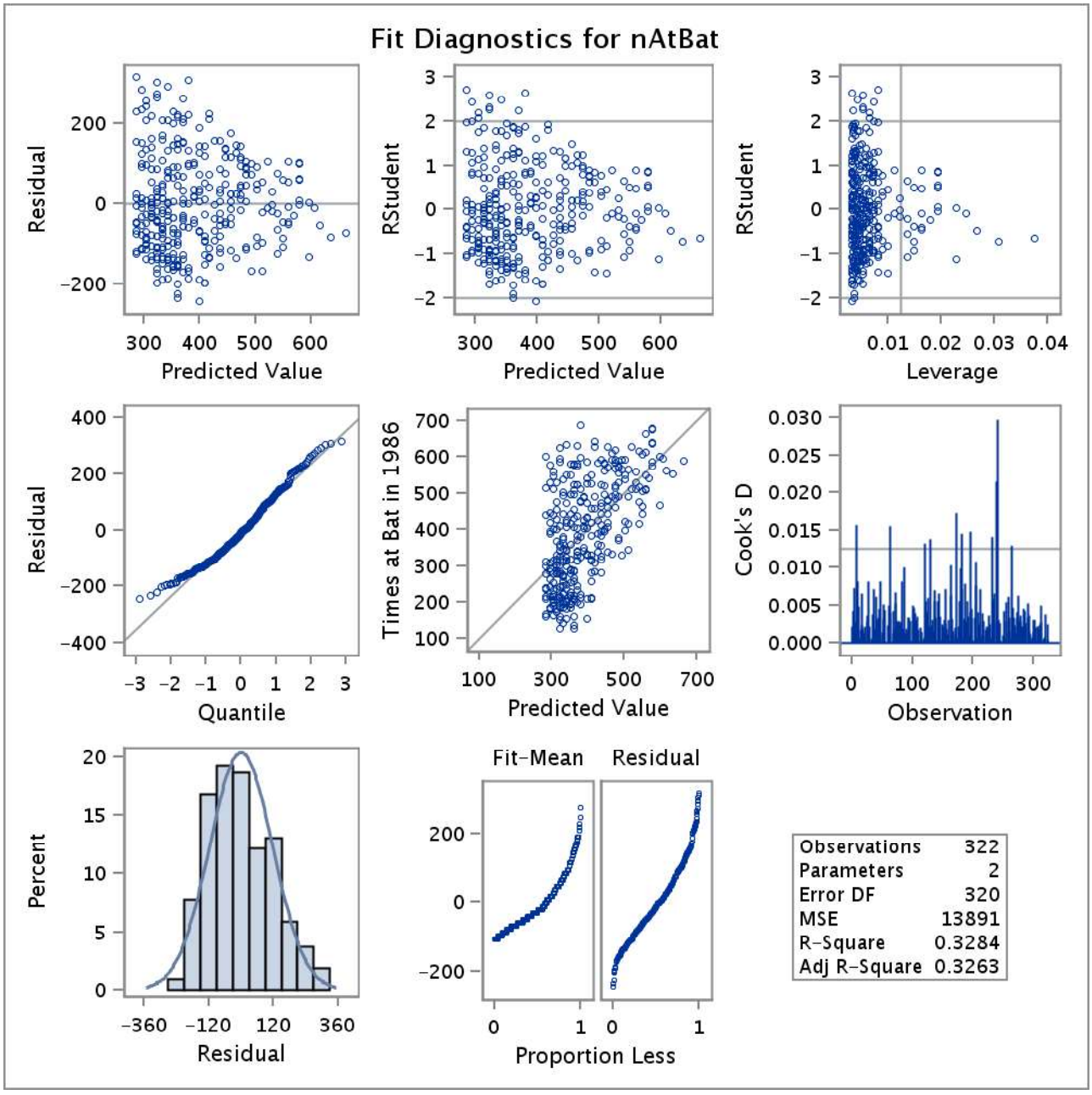
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2173693	2173693	156.48	<.0001
Error	320	4445251	13891		
Corrected Total	321	6618944			

Root MSE	117.86182	**R-Square**	0.3284
Dependent Mean	390.07453	**Adj R-Sq**	0.3263
Coeff Var	30.21521		

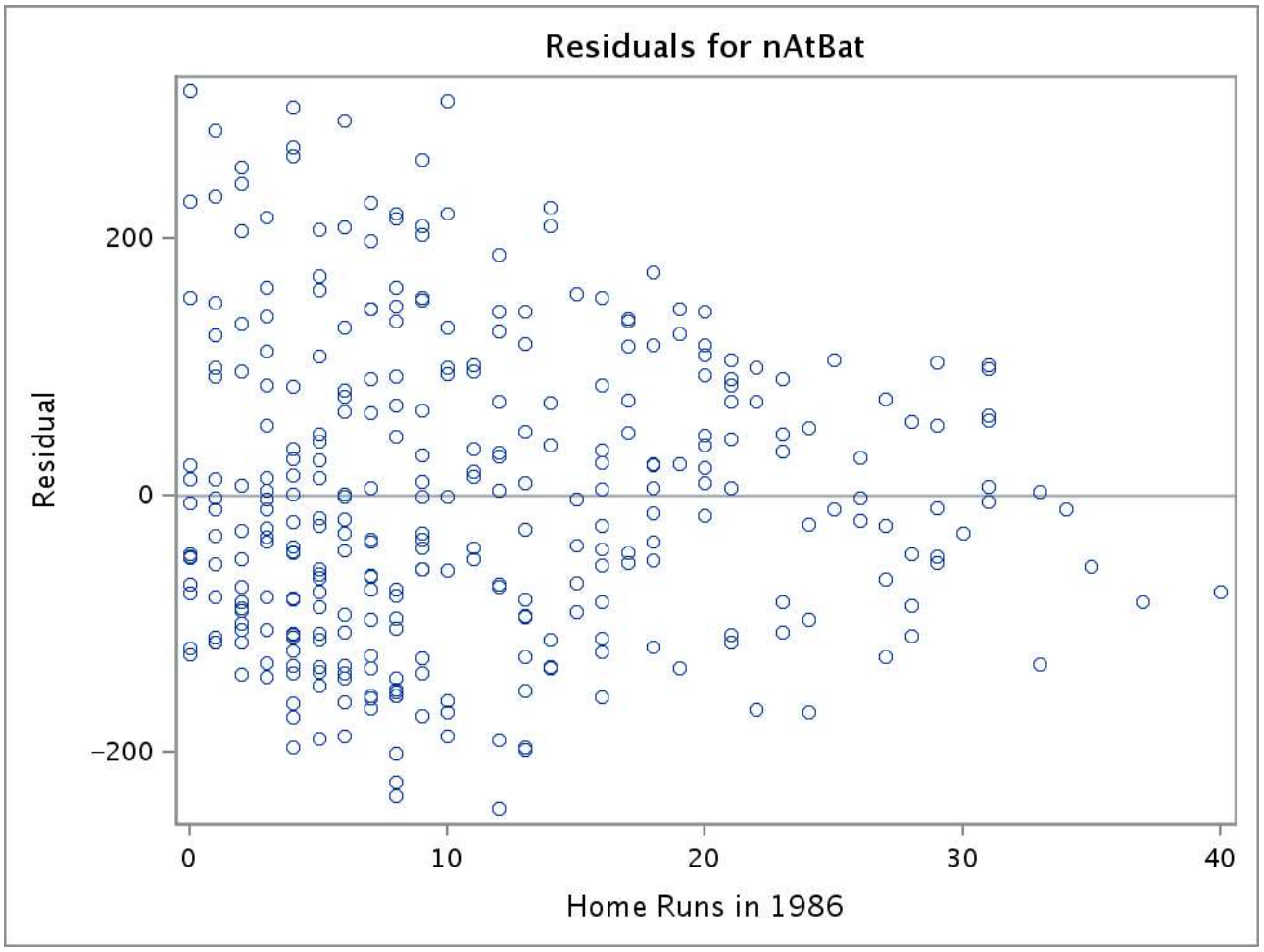
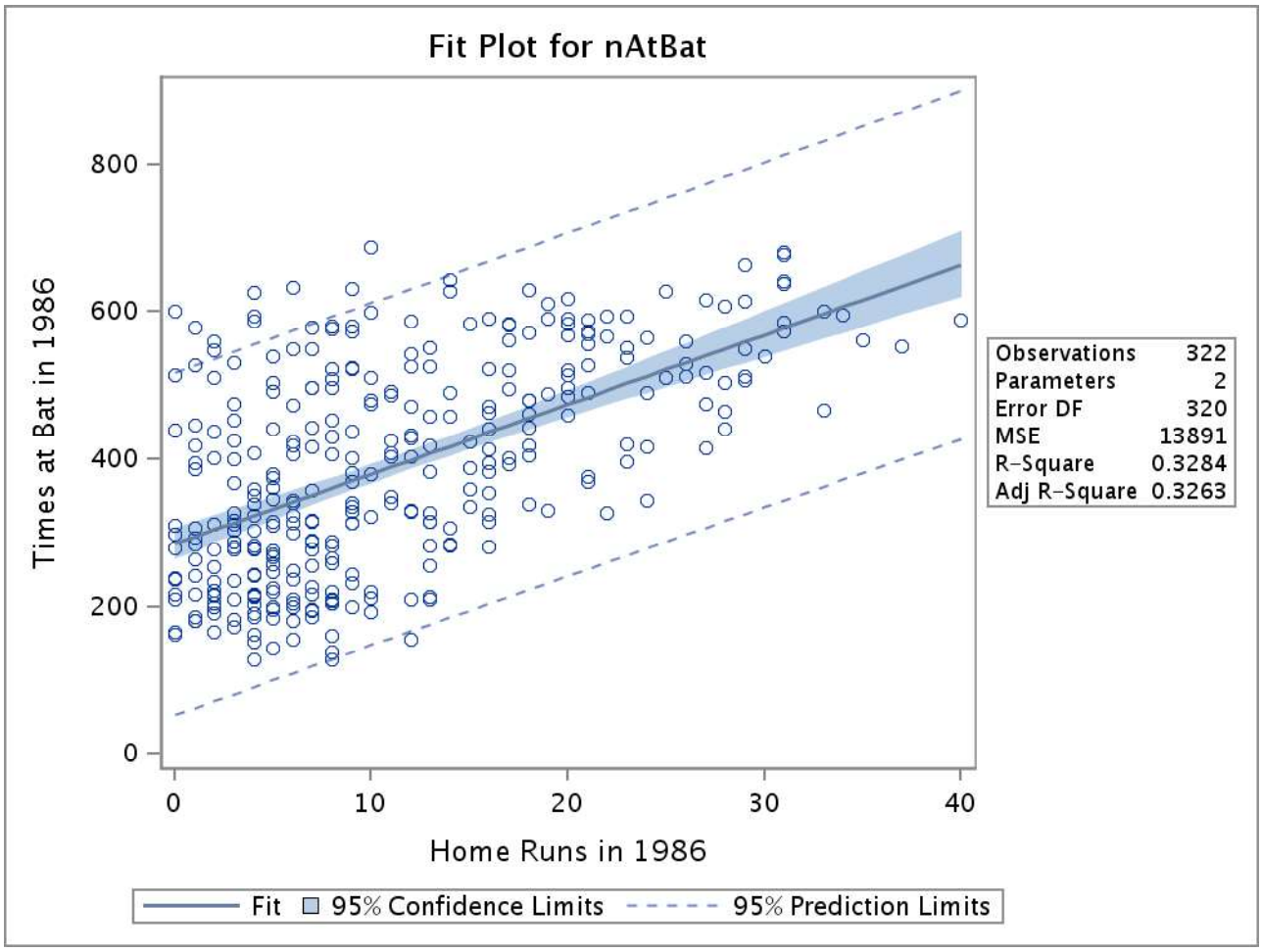
Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	285.04560	10.66008	26.74	<.0001
nHome	Home Runs in 1986	1	9.45995	0.75625	12.51	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: nAtBat Times at Bat in 1986



The REG Procedure
Model: MODEL1
Dependent Variable: nAtBat Times at Bat in 1986



The REG Procedure
Model: MODEL1
Dependent Variable: nAtBat Times at Bat in 1986