Execution Environment

Author:	sat8937@pennwest.edu
File:	SAS Program.sas [temp]
SAS Context:	SAS Studio compute context
SAS Version:	V.04.00M0P091624
SAS Client:	SAS® Studio 6.0
SAS Locale:	
Submission Time:	Jul 18, 2025, 1:47:35 PM
Time Zone:	GMT+09:00
User Agent:	Chrome 137.0.0.0

Code:SAS Program.sas

```
/*Correlation for Salary with Posiiton, Hits and Home RUn */

proc print data = sashelp.baseball noobs;
run;

proc contents data = sashelp.baseball;
run;

proc print data = sashelp.baseball noobs;
var Div Position Salary nHits nHome;
run;

proc univariate data = sashelp.baseball;
var Salary nHits nHome;
histogram;
run;

proc means data = sashelp.baseball maxdec = 2;
var Salary nHits nHome;
run;

ods graphics / width = 5in height = 5in;
proc sgscatter data = sashelp.baseball;
plot Salary * Position;
run;
ods graphics / reset;

ods graphics / width = 5in height = 5in;
proc sgscatter data = sashelp.baseball;
plot Salary*nHits;
run;
ods graphics / reset;

ods graphics / width = 5in height = 5in;
proc sgscatter data = sashelp.baseball;
plot Salary * nHome;
run;
ods graphics / reset;

/* Salary Distribution */
ods graphics / width = 5in height = 5in;
proc sgplot data = sashelp.baseball;
histogram Salary / showbins;
density Salary / type = normal;
density Salary / type = kernel;
run;
ods graphics / reset;

/* Regressio Line between Salary and nHits */
ods graphics / width = 5in height = 5in;
proc sgplot data = sashelp.baseball;
reg x = Salary y = nHits / clm cli;
run;
ods graphics / reset;
```

Log:SAS Program.sas

```
1    /* region: Generated preamble */
2    /* Make sure the current directory is writable */
3    data _null_;
4        length rc 4;
5        %let tworkloc="%sysfunc(getoption(work))";
6        rc=dlgcdir(&tworkloc);
7    run;
NOTE: The current working directory is now
     "/opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-serve
     3313b-0043-4b8c-992c-79cac01f3a31-57725".
NOTE: DATA statement used (Total process time):
     real time           0.00 seconds
     cpu time            0.00 seconds

8
9    /* Setup options */
10   title;
```

```
11    footnote;
12    options validvarname=any;
13    options validmemname=extend;
14    options dtreset date number;
15    options device=png;
16
17    /* Setup macro variables */
18    %let syscc=0;
19    %let _clientapp = %nrquote(%nrstr(SAS Studio));
20    %let _clientappabbrev = %nrquote(%nrstr(Studio));
21    %let _clientappversion=2024.09;
22    %let _clientversion=;
23    %let _sasservername=&SYSHOSTNAME;
24    %let _sashostname=&SYSHOSTNAME;
25    %let _sasprogramfilehost=&SYSHOSTNAME;
26    %let _clientuserid = %nrquote(%nrstr(sat8937@pennwest.edu));
27    %let _clientusername = %nrquote(%nrstr(sat8937@pennwest.edu));
28    %let clientmachine = %nrquote(%nrstr());
29    %let _clientmachine = %nrquote(%nrstr());
30    %let _clientmode = %nrquote(%nrstr(viya));
31    %let sasworklocation="%sysfunc(getoption(work))/";
32    filename _cwd &sasworklocation;
33    data _null_;
34        call symput('_sasworkingdir',pathname('_cwd'));
35    run;
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds

36    filename _cwd;
NOTE: Fileref _CWD has been deassigned.
37    %let _sasprogramfile = %nrquote(%nrstr());
38    %let _baseurl = %nrquote(%nrstr(https://vfl-024.engage.sas.com/SASStudio/));
39    %let _execenv = %nrquote(%nrstr(SASStudio));
40    %symdel _dataout_mime_type _dataout_name _dataout_url _dataout_table / nowarn;
41    %let _sasws_ = %bquote(%sysfunc(getoption(work)));
42    %let _saswstemp_ = %bquote(%sysfunc(getoption(work)));
43
44    /* Detect SAS/Graph and setup graph options */
45    data _null_;
46        length rc $255;
47        call symput("graphinit","");
48        call symput("graphterm","");
49        rc=tslvl('sasxgopt','n');
50        _error_=0;
51        if (rc^=' ') then do;
52            call symput("graphinit","goptions reset=all gsfname=_gsfname;");
53            call symput("graphterm","goptions noaccessible;");
54        end;
55    run;
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds

56    data _null_;
57        length rc 4;
58        rc=sysprod("PRODNUM002");
59        if (rc^=1) then do;
60            call symput("graphinit","");
61            call symput("graphterm","");
62        end;
63    run;
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds

64
65    /* Setup ODS destinations */
66    ods _all_ close;
67    %studio_results_directory;
68    filename _htmlout "&_results_prefix_..html";
69    filename _listout "&_results_prefix_..lst";
70    filename _gsfname temp;
71    filename _dataout "&_results_prefix_..dat";
72    ods autonavigate off;
73    ods graphics on;
74    ods html5 (id=web) METATEXT='http-equiv="Content-Security-Policy" content="default-src ''none''; style-src ''unsafe-inline
74 !  img-src data: ;"' device=png gpath="&_saswstemp_" path="&_saswstemp_" encoding=utf8 file=_htmlout (title='Results:SAS
74 !  Program.sas') style=Illuminate options(bitmap_mode='inline' outline='on' svg_mode='inline'
74 !  css_prefix=".ods_&SYS_COMPUTE_JOB_ID" body_id="div_&SYS_COMPUTE_JOB_ID" );
NOTE: Writing HTML5(WEB) Body file: _HTMLOUT
75    ods listing file=_listout;
76    &graphinit;
77    %studio_show_only_notes_wrapper;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
80    %studio_initialize_custom_output;
81    /* endregion */
82
83    /*Correlation for Salary with Posiiton, Hits and Home RUn */
84
85    proc print data = sashelp.baseball noobs;
86    run;
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
NOTE: The PROCEDURE PRINT printed pages 78-89.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.47 seconds
      cpu time            0.48 seconds
```

```
87
88   proc contents data = sashelp.baseball;
89   run;
NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          0.02 seconds
      cpu time           0.02 seconds

NOTE: The PROCEDURE CONTENTS printed pages 90-91.
90
91   proc print data = sashelp.baseball noobs;
92   var Div Position Salary nHits nHome;
93   run;
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
NOTE: The PROCEDURE PRINT printed pages 92-97.
NOTE: PROCEDURE PRINT used (Total process time):
      real time          0.11 seconds
      cpu time           0.13 seconds

94
95   proc univariate data = sashelp.baseball;
96   var Salary nHits nHome;
97   histogram;
98   run;
NOTE: The PROCEDURE UNIVARIATE printed pages 98-103.
NOTE: PROCEDURE UNIVARIATE used (Total process time):
      real time          0.45 seconds
      cpu time           0.31 seconds

99
100  proc means data = sashelp.baseball maxdec = 2;
101  var Salary nHits nHome;
102  run;
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
NOTE: The PROCEDURE MEANS printed page 104.
NOTE: PROCEDURE MEANS used (Total process time):
      real time          0.01 seconds
      cpu time           0.03 seconds

103
104  ods graphics / width = 5in height = 5in;
105  proc sgscatter data = sashelp.baseball;
106  plot Salary * Position;
107  run;
NOTE: PROCEDURE SGSCATTER used (Total process time):
      real time          0.24 seconds
      cpu time           0.03 seconds

NOTE: Listing image output written to
      /opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-server
      313b-0043-4b8c-992c-79cac01f3a31-57725/SGScatter.png.
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
108  ods graphics / reset;
109
110  ods graphics / width = 5in height = 5in;
111  proc sgscatter data = sashelp.baseball;
112  plot Salary*nHits;
113  run;
NOTE: PROCEDURE SGSCATTER used (Total process time):
      real time          0.24 seconds
      cpu time           0.03 seconds

NOTE: Listing image output written to
      /opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-server
      313b-0043-4b8c-992c-79cac01f3a31-57725/SGScatter.png.
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
114  ods graphics / reset;
115
116  ods graphics / width = 5in height = 5in;
117  proc sgscatter data = sashelp.baseball;
118  plot Salary * nHome;
119  run;
NOTE: PROCEDURE SGSCATTER used (Total process time):
      real time          0.24 seconds
      cpu time           0.03 seconds

NOTE: Listing image output written to
      /opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-server
      313b-0043-4b8c-992c-79cac01f3a31-57725/SGScatter.png.
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
120  ods graphics / reset;
121
122  /* Salary Distribution */
123  ods graphics / width = 5in height = 5in;
124  proc sgplot data = sashelp.baseball;
125  histogram Salary / showbins;
126  density Salary / type = normal;
127  density Salary / type = kernel;
128  run;
NOTE: PROCEDURE SGPLOT used (Total process time):
      real time          0.08 seconds
      cpu time           0.04 seconds

NOTE: Some of the tick values have been thinned.
NOTE: Some of the tick values have been thinned.
NOTE: Listing image output written to
      /opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-server
      313b-0043-4b8c-992c-79cac01f3a31-57725/SGPlot.png.
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
```

```
129  ods graphics / reset;
130
131  /* Regressio Line between Salary and nHits */
132  ods graphics / width = 5in height = 5in;
133  proc sgplot data = sashelp.baseball;
134  reg x = Salary y = nHits / clm cli;
135  run;
NOTE: PROCEDURE SGPLOT used (Total process time):
        real time               0.13 seconds
        cpu time                0.04 seconds

NOTE: Listing image output written to
      /opt/sas/viya/config/var/tmp/compsrv/default/f3eeb1a7-728c-48e3-a184-5758d7af44a4/SAS_work442900000206_sas-compute-server
      313b-0043-4b8c-992c-79cac01f3a31-57725/SGPlot.png.
NOTE: There were 322 observations read from the data set SASHELP.BASEBALL.
136  ods graphics / reset;
137
138
139
140
141
142  /* region: Generated postamble */
143  /* Close ODS destinations */
144  &graphterm; ;*';*";*/;run;quit;
145  quit;run;
146  ods html5 (id=web) close;
147  ods listing close;
148  %if %sysfunc(fileref(_gsfname)) lt 0 %then %do;
149      filename _gsfname clear;
NOTE: Fileref _GSFNAME has been deassigned.
150  %end;
151  %studio_capture_custom_output;
152  /* endregion */
153
```

Results:SAS Program.sas

Name	Team	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	League	Division	
Allanson, Andy	Cleveland	293	66	1	30	29	14	1	293	66	1	30	29	14	American	East	
Ashby, Alan	Houston	315	81	7	24	38	39	14	3449	835	69	321	414	375	National	West	
Davis, Alan	Seattle	479	130	18	66	72	76	3	1624	457	63	224	266	263	American	West	
Dawson, Andre	Montreal	496	141	20	65	78	37	11	5628	1575	225	828	838	354	National	East	
Galarraga, Andres	Montreal	321	87	10	39	42	30	2	396	101	12	48	46	33	National	East	
Griffin, Alfredo	Oakland	594	169	4	74	51	35	11	4408	1133	19	501	336	194	American	West	
Newman, Al	Montreal	185	37	1	23	8	21	2	214	42	1	30	9	24	National	East	
Salazar, Argenis	Kansas City	298	73	0	24	24	7	3	509	108	0	41	37	12	American	West	
Thomas, Andres	Atlanta	323	81	6	26	32	8	2	341	86	6	32	34	8	National	West	
Thornton, Andre	Cleveland	401	92	17	49	66	65	13	5206	1332	253	784	890	866	American	East	
Trammell, Alan	Detroit	574	159	21	107	75	59	10	4631	1300	90	702	504	488	American	East	
Trevino, Alex	Los Angeles	202	53	4	31	26	27	9	1876	467	15	192	186	161	National	West	
Van Slyke, Andy	St Louis	418	113	13	48	61	47	4	1512	392	41	205	204	203	National	East	
Wiggins, Alan	Baltimore	239	60	0	30	11	22	6	1941	510	4	309	103	207	American	East	
Almon, Bill	Pittsburgh	196	43	7	29	27	30	13	3231	825	36	376	290	238	National	East	
Beane, Billy	Minneapolis	183	39	3	20	15	11	3	201	42	3	20	16	11	American	West	
Bell, Buddy	Cincinnati	568	158	20	89	75	73	15	8068	2273	177	1045	993	732	National	West	
Biancalana, Buddy	Kansas City	190	46	2	24	8	15	5	479	102	5	65	23	39	American	West	
Bochte, Bruce	Oakland	407	104	6	57	43	65	12	5233	1478	100	643	658	653	American	West	
Bochy, Bruce	San Diego	127	32	8	16	22	14	8	727	180	24	67	82	56	National	West	
Bonds, Barry	Pittsburgh	413	92	16	72	48	65	1	413	92	16	72	48	65	National	East	
Bonilla, Bobby	Chicago	426	109	3	55	43	62	1	426	109	3	55	43	62	American	West	
Boone, Bob	California	442	98	7	48	49	43	15	5982	1501	96	555	702	533	American	West	
Brenly, Bob	San Francisco	472	116	16	60	62	74	6	1924	489	67	242	251	240	National	West	
Buckner, Bill	Boston	629	168	18	73	102	40	18	8424	2464	164	1008	1072	402	American	East	
Butler, Brett	Cleveland	587	163	4	92	51	70	6	2695	747	17	442	198	317	American	East	
Dernier, Bob	Chicago	324	73	4	32	18	22	7	1931	491	13	291	108	180	National	East	
Diaz, Bo	Cincinnati	474	129	10	50	56	40	10	2331	604	61	246	327	166	National	West	
Doran, Bill	Houston	550	152	6	92	37	81	5	2308	633	32	349	182	308	National	West	
Downing, Brian	California	513	137	20	90	95	90	14	5201	1382	166	763	734	784	American	West	

Name	Team	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	League	Division
Grich, Bobby	California	313	84	9	42	30	39	17	6890	1833	224	1033	864	1087	American	West
Hatcher, Billy	Houston	419	108	6	55	36	22	3	591	149	8	80	46	31	National	West
Horner, Bob	Atlanta	517	141	27	70	87	52	9	3571	994	215	545	652	337	National	West
Jacoby, Brook	Cleveland	583	168	17	83	80	56	5	1646	452	44	219	208	136	American	East
Kearney, Bob	Seattle	204	49	6	23	25	12	7	1309	308	27	126	132	66	American	West
Madlock, Bill	Los Angeles	379	106	10	38	60	30	14	6207	1906	146	859	803	571	National	West
Meacham, Bobby	New York	161	36	0	19	10	17	4	1053	244	3	156	86	107	American	East
Melvin, Bob	San Francisco	268	60	5	24	25	15	2	350	78	5	34	29	18	National	West
Oglivie, Ben	Milwaukee	346	98	5	31	53	30	16	5913	1615	235	784	901	560	American	East
Roberts, Bip	San Diego	241	61	1	34	12	14	1	241	61	1	34	12	14	National	West
Robidoux, Billy Jo	Milwaukee	181	41	1	15	21	33	2	232	50	4	20	29	45	American	East
Russell, Bill	Los Angeles	216	54	0	21	18	15	18	7318	1926	46	796	627	483	National	West
Sample, Billy	Atlanta	200	57	6	23	14	14	9	2516	684	46	371	230	195	National	West
Schroeder, Bill	Milwaukee	217	46	7	32	19	9	4	694	160	32	86	76	32	American	East
Wynegar, Butch	New York	194	40	7	19	29	30	11	4183	1069	64	486	493	608	American	East
Bando, Chris	Cleveland	254	68	2	28	26	22	6	999	236	21	108	117	118	American	East
Brown, Chris	San Francisco	416	132	7	57	49	33	3	932	273	24	113	121	80	National	West
Castillo, Carmen	Cleveland	205	57	8	34	32	9	5	756	192	32	117	107	51	American	East
Cooper, Cecil	Milwaukee	542	140	12	46	75	41	16	7099	2130	235	987	1089	431	American	East
Davis, Chili	San Francisco	526	146	13	71	70	84	6	2648	715	77	352	342	289	National	West
Fisk, Carlton	Chicago	457	101	14	42	63	22	17	6521	1767	281	1003	977	619	American	West
Ford, Curt	St Louis	214	53	2	30	29	23	2	226	59	2	32	32	27	National	East
Johnson, Cliff	Toronto	336	84	15	48	55	52	15	3945	1016	196	539	699	568	American	East
Lansford, Carney	Oakland	591	168	19	80	72	39	9	4478	1307	113	634	563	319	American	West
Lemon, Chet	Detroit	403	101	12	45	53	39	12	5150	1429	166	747	666	526	American	East
Maldonado, Candy	San Francisco	405	102	18	49	85	20	6	950	231	29	99	138	64	National	West
Martinez, Carmelo	San Diego	244	58	9	28	25	35	4	1335	333	49	164	179	194	National	West
Moore, Charlie	Milwaukee	235	61	3	24	39	21	14	3926	1029	35	441	401	333	American	East
Reynolds, Craig	Houston	313	78	6	32	41	12	12	3742	968	35	409	321	170	National	West
Ripken, Cal	Baltimore	627	177	25	98	81	70	6	3210	927	133	529	472	313	American	East
Snyder, Cory	Cleveland	416	113	24	58	69	16	1	416	113	24	58	69	16	American	East
Speier, Chris	Chicago	155	44	6	21	23	15	16	6631	1634	98	698	661	777	National	East
Wilkerson, Curt	Texas	236	56	0	27	15	11	4	1115	270	1	116	64	57	American	West
Anderson, Dave	Los Angeles	216	53	1	31	15	22	4	926	210	9	118	69	114	National	West
Baker, Dusty	Oakland	242	58	4	25	19	27	19	7117	1981	242	964	1013	762	American	West
Baylor, Don	Boston	585	139	31	93	94	62	17	7546	1982	315	1141	1179	727	American	East
Bilardello, Dann	Montreal	191	37	4	12	17	14	4	773	163	16	61	74	52	National	East
Boston, Daryl	Chicago	199	53	5	29	22	21	3	514	120	8	57	40	39	American	West
Coles, Darnell	Detroit	521	142	20	67	86	45	4	815	205	22	99	103	78	American	East
Collins, Dave	Detroit	419	113	1	44	27	44	12	4484	1231	32	612	344	422	American	East
Concepcion, Dave	Cincinnati	311	81	3	42	30	26	17	8247	2198	100	950	909	690	National	West
Daulton, Darren	Philadelphia	138	31	8	18	21	38	3	244	53	12	33	32	55	National	East
DeCinces, Doug	California	512	131	26	69	96	52	14	5347	1397	221	712	815	548	American	West
Evans, Darrell	Detroit	507	122	29	78	85	91	18	7761	1947	347	1175	1152	1380	American	East
Evans, Dwight	Boston	529	137	26	86	97	97	15	6661	1785	291	1082	949	989	American	East
Garcia, Damaso	Toronto	424	119	6	57	46	13	9	3651	1046	32	461	301	112	American	East
Gladden, Dan	San Francisco	351	97	4	55	29	39	4	1258	353	16	196	110	117	National	West
Heep, Danny	New York	195	55	5	24	33	30	8	1313	338	25	144	149	153	National	East

Name	Team	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	League	Division
Henderson, Dave	Seattle	388	103	15	59	47	39	6	2174	555	80	285	274	186	American	West
Hill, Donnie	Oakland	339	96	4	37	29	23	4	1064	290	11	123	108	55	American	West
Kingman, Dave	Oakland	561	118	35	70	94	33	16	6677	1575	442	901	1210	608	American	West
Lopes, Davey	Chicago	255	70	7	49	35	43	15	6311	1661	154	1019	608	820	National	East
Mattingly, Don	New York	677	238	31	117	113	53	5	2223	737	93	349	401	171	American	East
Motley, Darryl	Kansas City	227	46	7	23	20	12	5	1325	324	44	156	158	67	American	West
Murphy, Dale	Atlanta	614	163	29	89	83	75	11	5017	1388	266	813	822	617	National	West
Murphy, Dwayne	Oakland	329	83	9	50	39	56	9	3828	948	145	575	528	635	American	West
Parker, Dave	Cincinnati	637	174	31	89	116	56	14	6727	2024	247	978	1093	495	National	West
Pasqua, Dan	New York	280	82	16	44	45	47	2	428	113	25	61	70	63	American	East
Porter, Darrell	Texas	155	41	12	21	29	22	16	5409	1338	181	746	805	875	American	West
Schofield, Dick	California	458	114	13	67	57	48	4	1350	298	28	160	123	122	American	West
Slaught, Don	Texas	314	83	13	39	46	16	5	1457	405	28	156	159	76	American	West
Strawberry, Darryl	New York	475	123	27	76	93	72	4	1810	471	108	292	343	267	National	East
Sveum, Dale	Milwaukee	317	78	7	35	35	32	1	317	78	7	35	35	32	American	East
Tartabull, Danny	Seattle	511	138	25	76	96	61	3	592	164	28	87	110	71	American	West
Thon, Dickie	Houston	278	69	3	24	21	29	8	2079	565	32	258	192	162	National	West
Walling, Denny	Houston	382	119	13	54	58	36	12	2133	594	41	287	294	227	National	West
Winfield, Dave	New York	565	148	24	90	104	77	14	7287	2083	305	1135	1234	791	American	East
Cabell, Enos	Los Angeles	277	71	2	27	29	14	15	5952	1647	60	753	596	259	National	West
Davis, Eric	Cincinnati	415	115	27	97	71	68	3	711	184	45	156	119	99	National	West
Milner, Eddie	Cincinnati	424	110	15	70	47	36	7	2130	544	38	335	174	258	National	West
Murray, Eddie	Baltimore	495	151	17	61	84	78	10	5624	1679	275	884	1015	709	American	East
Riles, Ernest	Milwaukee	524	132	9	69	47	54	2	972	260	14	123	92	90	American	East
Romero, Ed	Boston	233	49	2	41	23	18	8	1350	336	7	166	122	106	American	East
Whitt, Ernie	Toronto	395	106	16	48	56	35	10	2303	571	86	266	323	248	American	East
Lynn, Fred	Baltimore	397	114	23	67	67	53	13	5589	1632	241	906	926	716	American	East
Rayford, Floyd	Baltimore	210	37	8	15	19	15	6	994	244	36	107	114	53	American	East
Stubbs, Franklin	Los Angeles	420	95	23	55	58	37	3	646	139	31	77	77	61	National	West
White, Frank	Kansas City	566	154	22	76	84	43	14	6100	1583	131	743	693	300	American	West
Bell, George	Toronto	641	198	31	101	108	41	5	2129	610	92	297	319	117	American	East
Braggs, Glenn	Milwaukee	215	51	4	19	18	11	1	215	51	4	19	18	11	American	East
Brett, George	Kansas City	441	128	16	70	73	80	14	6675	2095	209	1072	1050	695	American	West
Brock, Greg	Los Angeles	325	76	16	33	52	37	5	1506	351	71	195	219	214	National	West
Carter, Gary	New York	490	125	24	81	105	62	13	6063	1646	271	847	999	680	National	East
Davis, Glenn	Houston	574	152	31	91	101	64	3	985	260	53	148	173	95	National	West
Foster, George	New York	284	64	14	30	42	24	18	7023	1925	348	986	1239	666	National	East
Gaetti, Gary	Minneapolis	596	171	34	91	108	52	6	2862	728	107	361	401	224	American	West
Gagne, Greg	Minneapolis	472	118	12	63	54	30	4	793	187	14	102	80	50	American	West
Hendrick, George	California	283	77	14	45	47	26	16	6840	1910	259	915	1067	546	American	West
Hubbard, Glenn	Atlanta	408	94	4	42	36	66	9	3573	866	59	429	365	410	National	West
Iorg, Garth	Toronto	327	85	3	30	44	20	8	2140	568	16	216	208	93	American	East
Matthews, Gary	Chicago	370	96	21	49	46	60	15	6986	1972	231	1070	955	921	National	East
Nettles, Graig	San Diego	354	77	16	36	55	41	20	8716	2172	384	1172	1267	1057	National	West
Pettis, Gary	California	539	139	5	93	58	69	5	1469	369	12	247	126	198	American	West
Redus, Gary	Philadelphia	340	84	11	62	33	47	5	1516	376	42	284	141	219	National	East
Templeton, Garry	San Diego	510	126	2	42	44	35	11	5562	1578	44	703	519	256	National	West
Thomas, Gorman	Seattle	315	59	16	45	36	58	13	4677	1051	268	681	782	697	American	West
Walker, Greg	Chicago	282	78	13	37	51	29	5	1649	453	73	211	280	138	American	West
Ward, Gary	Texas	380	120	5	54	51	31	8	3118	900	92	444	419	240	American	West

Name	Team	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	League	Division
Wilson, Glenn	Philadelphia	584	158	15	70	84	42	5	2358	636	58	265	316	134	National	East
Baines, Harold	Chicago	570	169	21	72	88	38	7	3754	1077	140	492	589	263	American	West
Brooks, Hubie	Montreal	306	104	14	50	58	25	7	2954	822	55	313	377	187	National	East
Johnson, Howard	New York	220	54	10	30	39	31	5	1185	299	40	145	154	128	National	East
McRae, Hal	Kansas City	278	70	7	22	37	18	18	7186	2081	190	935	1088	643	American	West
Reynolds, Harold	Seattle	445	99	1	46	24	29	4	618	129	1	72	31	48	American	West
Spilman, Harry	San Francisco	143	39	5	18	30	15	9	639	151	16	80	97	61	National	West
Winningham, Herm	Montreal	185	40	4	23	11	18	3	524	125	7	58	37	47	National	East
Barfield, Jesse	Toronto	589	170	40	107	108	69	6	2325	634	128	371	376	238	American	East
Beniquez, Juan	Baltimore	343	103	6	48	36	40	15	4338	1193	70	581	421	325	American	East
Bonilla, Juan	Baltimore	284	69	1	33	18	25	5	1407	361	6	139	98	111	American	East
Cangelosi, John	Chicago	438	103	2	65	32	71	2	440	103	2	67	32	71	American	West
Canseco, Jose	Oakland	600	144	33	85	117	65	2	696	173	38	101	130	69	American	West
Carter, Joe	Cleveland	663	200	29	108	121	32	4	1447	404	57	210	222	68	American	East
Clark, Jack	St Louis	232	55	9	34	23	45	12	4405	1213	194	702	705	625	National	East
Cruz, Jose	Houston	479	133	10	48	72	55	17	7472	2147	153	980	1032	854	National	West
Cruz, Julio	Chicago	209	45	0	38	19	42	10	3859	916	23	557	279	478	American	West
Davis, Jody	Chicago	528	132	21	61	74	41	6	2641	671	97	273	383	226	National	East
Dwyer, Jim	Baltimore	160	39	8	18	31	22	14	2128	543	56	304	268	298	American	East
Franco, Julio	Cleveland	599	183	10	80	74	32	5	2482	715	27	330	326	158	American	East
Gantner, Jim	Milwaukee	497	136	7	58	38	26	11	3871	1066	40	450	367	241	American	East
Grubb, Johnny	Detroit	210	70	13	32	51	28	15	4040	1130	97	544	462	551	American	East
Hairston, Jerry	Chicago	225	61	5	32	26	26	11	1568	408	25	202	185	257	American	West
Howell, Jack	California	151	41	4	26	21	19	2	288	68	9	45	39	35	American	West
Kruk, John	San Diego	278	86	4	33	38	45	1	278	86	4	33	38	45	National	West
Leonard, Jeffrey	San Francisco	341	95	6	48	42	20	10	2964	808	81	379	428	221	National	West
Morrison, Jim	Pittsburgh	537	147	23	58	88	47	10	2744	730	97	302	351	174	National	East
Moses, John	Seattle	399	102	3	56	34	34	5	670	167	4	89	48	54	American	West
Mumphrey, Jerry	Chicago	309	94	5	37	32	26	13	4618	1330	57	616	522	436	National	East
Orsulak, Joe	Pittsburgh	401	100	2	60	19	28	4	876	238	2	126	44	55	National	East
Orta, Jorge	Kansas City	336	93	9	35	46	23	15	5779	1610	128	730	741	497	American	West
Presley, Jim	Seattle	616	163	27	83	107	32	3	1437	377	65	181	227	82	American	West
Quirk, Jamie	Kansas City	219	47	8	24	26	17	12	1188	286	23	100	125	63	American	West
Ray, Johnny	Pittsburgh	579	174	7	67	78	58	6	3053	880	32	366	337	218	National	East
Reed, Jeff	Minneapolis	165	39	2	13	9	16	3	196	44	2	18	10	18	American	West
Rice, Jim	Boston	618	200	20	98	110	62	13	7127	2163	351	1104	1289	564	American	East
Royster, Jerry	San Diego	257	66	5	31	26	32	14	3910	979	33	518	324	382	National	West
Russell, John	Philadelphia	315	76	13	35	60	25	3	630	151	24	68	94	55	National	East
Samuel, Juan	Philadelphia	591	157	16	90	78	26	4	2020	541	52	310	226	91	National	East
Shelby, John	Baltimore	404	92	11	54	49	18	6	1354	325	30	188	135	63	American	East
Skinner, Joel	Chicago	315	73	5	23	37	16	4	450	108	6	38	46	28	American	West
Stone, Jeff	Philadelphia	249	69	6	32	19	20	4	702	209	10	97	48	44	National	East
Sundberg, Jim	Kansas City	429	91	12	41	42	57	13	5590	1397	83	578	579	644	American	West
Traber, Jim	Baltimore	212	54	13	28	44	18	2	233	59	13	31	46	20	American	East
Uribe, Jose	San Francisco	453	101	3	46	43	61	3	948	218	6	96	72	91	National	West
Willard, Jerry	Oakland	161	43	4	17	26	22	3	707	179	21	77	99	76	American	West
Youngblood, Joel	San Francisco	184	47	5	20	28	18	11	3327	890	74	419	382	304	National	West
Bass, Kevin	Houston	591	184	20	83	79	38	5	1689	462	40	219	195	82	National	West
Daniels, Kal	Cincinnati	181	58	6	34	23	22	1	181	58	6	34	23	22	National	West
Gibson, Kirk	Detroit	441	118	28	84	86	68	8	2723	750	126	433	420	309	American	East
Griffey, Ken	New York	490	150	21	69	58	35	14	6126	1839	121	983	707	600	American	East
Hernandez, Keith	New York	551	171	13	94	83	94	13	6090	1840	128	969	900	917	National	East

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Hrbek, Kent	Minneapolis	550	147	29	85	91	71	6	2816	815	117	405	474	319	American	West
Landreaux, Ken	Los Angeles	283	74	4	34	29	22	10	3919	1062	85	505	456	283	National	West
McReynolds, Kevin	San Diego	560	161	26	89	96	66	4	1789	470	65	233	260	155	National	West
Mitchell, Kevin	New York	328	91	12	51	43	33	2	342	94	12	51	44	33	National	East
Moreland, Keith	Chicago	586	159	12	72	79	53	9	3082	880	83	363	477	295	National	East
Oberkfell, Ken	Atlanta	503	136	5	62	48	83	10	3423	970	20	408	303	414	National	West
Phelps, Ken	Seattle	344	85	24	69	64	88	7	911	214	64	150	156	187	American	West
Puckett, Kirby	Minneapolis	680	223	31	119	96	34	3	1928	587	35	262	201	91	American	West
Stillwell, Kurt	Cincinnati	279	64	0	31	26	30	1	279	64	0	31	26	30	National	West
Durham, Leon	Chicago	484	127	20	66	65	67	7	3006	844	116	436	458	377	National	East
Dykstra, Len	New York	431	127	8	77	45	58	2	667	187	9	117	64	88	National	East
Herndon, Larry	Detroit	283	70	8	33	37	27	12	4479	1222	94	557	483	307	American	East
Lacy, Lee	Baltimore	491	141	11	77	47	37	15	4291	1240	84	615	430	340	American	East
Matuszek, Len	Los Angeles	199	52	9	26	28	21	6	805	191	30	113	119	87	National	West
Moseby, Lloyd	Toronto	589	149	21	89	86	64	7	3558	928	102	513	471	351	American	East
Parrish, Lance	Detroit	327	84	22	53	62	38	10	4273	1123	212	577	700	334	American	East
Parrish, Larry	Texas	464	128	28	67	94	52	13	5829	1552	210	740	840	452	American	West
Rivera, Luis	Montreal	166	34	0	20	13	17	1	166	34	0	20	13	17	National	East
Sheets, Larry	Baltimore	338	92	18	42	60	21	3	682	185	36	88	112	50	American	East
Smith, Lonnie	Kansas City	508	146	8	80	44	46	9	3148	915	41	571	289	326	American	West
Whitaker, Lou	Detroit	584	157	20	95	73	63	10	4704	1320	93	724	522	576	American	East
Aldrete, Mike	San Francisco	216	54	2	27	25	33	1	216	54	2	27	25	33	National	West
Barrett, Marty	Boston	625	179	4	94	60	65	5	1696	476	12	216	163	166	American	East
Brown, Mike	Pittsburgh	243	53	4	18	26	27	4	853	228	23	101	110	76	National	East
Davis, Mike	Oakland	489	131	19	77	55	34	7	2051	549	62	300	263	153	American	West
Diaz, Mike	Pittsburgh	209	56	12	22	36	19	2	216	58	12	24	37	19	National	East
Duncan, Mariano	Los Angeles	407	93	8	47	30	30	2	969	230	14	121	69	68	National	West
Easler, Mike	New York	490	148	14	64	78	49	13	3400	1000	113	445	491	301	American	East
Fitzgerald, Mike	Montreal	209	59	6	20	37	27	4	884	209	14	66	106	92	National	East
Hall, Mel	Cleveland	442	131	18	68	77	33	6	1416	398	47	210	203	136	American	East
Hatcher, Mickey	Minneapolis	317	88	3	40	32	19	8	2543	715	28	269	270	118	American	West
Heath, Mike	St Louis	288	65	8	30	36	27	9	2815	698	55	315	325	189	National	East
Kingery, Mike	Kansas City	209	54	3	25	14	12	1	209	54	3	25	14	12	American	West
LaValliere, Mike	St Louis	303	71	3	18	30	36	3	344	76	3	20	36	45	National	East
Marshall, Mike	Los Angeles	330	77	19	47	53	27	6	1928	516	90	247	288	161	National	West
Pagliarulo, Mike	New York	504	120	28	71	71	54	3	1085	259	54	150	167	114	American	East
Salas, Mark	Minneapolis	258	60	8	28	33	18	3	638	170	17	80	75	36	American	West
Schmidt, Mike	Philadelphia	552	160	37	97	119	89	15	7292	1954	495	1347	1392	1354	National	East
Scioscia, Mike	Los Angeles	374	94	5	36	26	62	7	1968	519	26	181	199	288	National	West
Tettleton, Mickey	Oakland	211	43	10	26	35	39	3	498	116	14	59	55	78	American	West
Thompson, Milt	Philadelphia	299	75	6	38	23	26	3	580	160	8	71	33	44	National	East
Webster, Mitch	Montreal	576	167	8	89	49	57	4	822	232	19	132	83	79	National	East
Wilson, Mookie	New York	381	110	9	61	45	32	7	3015	834	40	451	249	168	National	East
Wynne, Marvell	San Diego	288	76	7	34	37	15	4	1644	408	16	198	120	113	National	West
Young, Mike	Baltimore	369	93	9	43	42	49	5	1258	323	54	181	177	157	American	East
Esasky, Nick	Cincinnati	330	76	12	35	41	47	4	1367	326	55	167	198	167	National	West
Guillen, Ozzie	Chicago	547	137	2	58	47	12	2	1038	271	3	129	80	24	American	West

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McDowell, Oddibe	Texas	572	152	18	105	49	65	2	978	249	36	168	91	101	American	West	
Moreno, Omar	Atlanta	359	84	4	46	27	21	12	4992	1257	37	699	386	387	National	West	
Smith, Ozzie	St Louis	514	144	0	67	54	79	9	4739	1169	13	583	374	528	National	East	
Virgil, Ozzie	Atlanta	359	80	15	45	48	63	7	1493	359	61	176	202	175	National	West	
Bradley, Phil	Seattle	526	163	12	88	50	77	4	1556	470	38	245	167	174	American	West	
Garner, Phil	Houston	313	83	9	43	41	30	14	5885	1543	104	751	714	535	National	West	
Incaviglia, Pete	Texas	540	135	30	82	88	55	1	540	135	30	82	88	55	American	West	
Molitor, Paul	Milwaukee	437	123	9	62	55	40	9	4139	1203	79	676	390	364	American	East	
O'Brien, Pete	Texas	551	160	23	86	90	87	5	2235	602	75	278	328	273	American	West	
Rose, Pete	Cincinnati	237	52	0	15	25	30	24	14053	4256	160	2165	1314	1566	National	West	
Sheridan, Pat	Detroit	236	56	6	41	19	21	5	1257	329	24	166	125	105	American	East	
Tabler, Pat	Cleveland	473	154	6	61	48	29	6	1966	566	29	250	252	178	American	East	
Belliard, Rafael	Pittsburgh	309	72	0	33	31	26	5	354	82	0	41	32	26	National	East	
Burleson, Rick	California	271	77	5	35	29	33	12	4933	1358	48	630	435	403	American	West	
Bush, Randy	Minneapolis	357	96	7	50	45	39	5	1394	344	43	178	192	136	American	West	
Cerone, Rick	Milwaukee	216	56	4	22	18	15	12	2796	665	43	266	304	198	American	East	
Cey, Ron	Chicago	256	70	13	42	36	44	16	7058	1845	312	965	1128	990	National	East	
Deer, Rob	Milwaukee	466	108	33	75	86	72	3	652	142	44	102	109	102	American	East	
Dempsey, Rick	Baltimore	327	68	13	42	29	45	18	3949	939	78	438	380	466	American	East	
Gedman, Rich	Boston	462	119	16	49	65	37	7	2131	583	69	244	288	150	American	East	
Hassey, Ron	New York	341	110	9	45	49	46	9	2331	658	50	249	322	274	American	East	
Henderson, Rickey	New York	608	160	28	130	74	89	8	4071	1182	103	862	417	708	American	East	
Jackson, Reggie	California	419	101	18	65	58	92	20	9528	2510	548	1509	1659	1342	American	West	
Jones, Ruppert	California	393	90	17	73	49	64	11	4223	1056	139	618	551	514	American	West	
Kittle, Ron	Chicago	376	82	21	42	60	35	5	1770	408	115	238	299	157	American	West	
Knight, Ray	New York	486	145	11	51	76	40	11	3967	1102	67	410	497	284	National	East	
Kutcher, Randy	San Francisco	186	44	7	28	16	11	1	186	44	7	28	16	11	National	West	
Law, Rudy	Kansas City	307	80	1	42	36	29	7	2421	656	18	379	198	184	American	West	
Leach, Rick	Toronto	246	76	5	35	39	13	6	912	234	12	102	96	80	American	East	
Manning, Rick	Milwaukee	205	52	8	31	27	17	12	5134	1323	56	643	445	459	American	East	
Mulliniks, Rance	Toronto	348	90	11	50	45	43	10	2288	614	43	295	273	269	American	East	
Oester, Ron	Cincinnati	523	135	8	52	44	52	9	3368	895	39	377	284	296	National	West	
Quinones, Rey	Boston	312	68	2	32	22	24	1	312	68	2	32	22	24	American	East	
Ramirez, Rafael	Atlanta	496	119	8	57	33	21	7	3358	882	36	365	280	165	National	West	
Reynolds, R.J.	Pittsburgh	402	108	9	63	48	40	4	1034	278	16	135	125	79	National	East	
Roenicke, Ron	Philadelphia	275	68	5	42	42	61	6	961	238	16	128	104	172	National	East	
Sandberg, Ryne	Chicago	627	178	14	68	76	46	6	3146	902	74	494	345	242	National	East	
Santana, Rafael	New York	394	86	1	38	28	36	4	1089	267	3	94	71	76	National	East	
Schu, Rick	Philadelphia	208	57	8	32	25	18	3	653	170	17	98	54	62	National	East	
Sierra, Ruben	Texas	382	101	16	50	55	22	1	382	101	16	50	55	22	American	West	
Smalley, Roy	Minneapolis	459	113	20	59	57	68	12	5348	1369	155	713	660	735	American	West	
Thompson, Robby	San Francisco	549	149	7	73	47	42	1	549	149	7	73	47	42	National	West	
Wilfong, Rob	California	288	63	3	25	33	16	10	2682	667	38	315	259	204	American	West	
Williams, Reggie	Los Angeles	303	84	4	35	32	23	2	312	87	4	39	32	23	National	West	
Yount, Robin	Milwaukee	522	163	9	82	46	62	13	7037	2019	153	1043	827	535	American	East	
Balboni, Steve	Kansas City	512	117	29	54	88	43	6	1750	412	100	204	276	155	American	West	
Bradley, Scott	Seattle	220	66	5	20	28	13	3	290	80	5	27	31	15	American	West	
Bream, Sid	Pittsburgh	522	140	16	73	77	60	4	730	185	22	93	106	86	National	East	
Buechele, Steve	Texas	461	112	18	54	54	35	2	680	160	24	76	75	49	American	West	

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Dunston, Shawon	Chicago	581	145	17	66	68	21	2	831	210	21	106	86	40	National	East
Fletcher, Scott	Texas	530	159	3	82	50	47	6	1619	426	11	218	149	163	American	West
Garvey, Steve	San Diego	557	142	21	58	81	23	18	8759	2583	271	1138	1299	478	National	West
Jeltz, Steve	Philadelphia	439	96	0	44	36	65	4	711	148	1	68	56	99	National	East
Lombardozzi, Steve	Minneapolis	453	103	8	53	33	52	2	507	123	8	63	39	58	American	West
Owen, Spike	Seattle	528	122	1	67	45	51	4	1716	403	12	211	146	155	American	West
Sax, Steve	Los Angeles	633	210	6	91	56	59	6	3070	872	19	420	230	274	National	West
Armas, Tony	Boston	425	112	11	40	58	24	11	4513	1134	224	542	727	230	American	East
Bernazard, Tony	Cleveland	562	169	17	88	73	53	8	3181	841	61	450	342	373	American	East
Brookens, Tom	Detroit	281	76	3	42	25	20	8	2658	657	48	324	300	179	American	East
Brunansky, Tom	Minneapolis	593	152	23	69	75	53	6	2765	686	133	369	384	321	American	West
Fernandez, Tony	Toronto	687	213	10	91	65	27	4	1518	448	15	196	137	89	American	East
Flannery, Tim	San Diego	368	103	3	48	28	54	8	1897	493	9	207	162	198	National	West
Foley, Tom	Montreal	263	70	1	26	23	30	4	888	220	9	83	82	86	National	East
Gwynn, Tony	San Diego	642	211	14	107	59	52	5	2364	770	27	352	230	193	National	West
Harper, Terry	Atlanta	265	68	8	26	30	29	7	1337	339	32	135	163	128	National	West
Harrah, Toby	Texas	289	63	7	36	41	44	17	7402	1954	195	1115	919	1153	American	West
Herr, Tommy	St Louis	559	141	2	48	61	73	8	3162	874	16	421	349	359	National	East
Hulett, Tim	Chicago	520	120	17	53	44	21	4	927	227	22	106	80	52	American	West
Kennedy, Terry	San Diego	432	114	12	46	57	37	9	3373	916	82	347	477	238	National	West
Landrum, Tito	St Louis	205	43	2	24	17	20	7	854	219	12	105	99	71	National	East
Laudner, Tim	Minneapolis	193	47	10	21	29	24	6	1136	256	42	129	139	106	American	West
O'Malley, Tom	Baltimore	181	46	1	19	18	17	5	937	238	9	88	95	104	American	East
Paciorek, Tom	Texas	213	61	4	17	22	3	17	4061	1145	83	488	491	244	American	West
Pena, Tony	Pittsburgh	510	147	10	56	52	53	7	2872	821	63	307	340	174	National	East
Pendleton, Terry	St Louis	578	138	1	56	59	34	3	1399	357	7	149	161	87	National	East
Perez, Tony	Cincinnati	200	51	2	14	29	25	23	9778	2732	379	1272	1652	925	National	West
Phillips, Tony	Oakland	441	113	5	76	52	76	5	1546	397	17	226	149	191	American	West
Puhl, Terry	Houston	172	42	3	17	14	15	10	4086	1150	57	579	363	406	National	West
Raines, Tim	Montreal	580	194	9	91	62	78	8	3372	1028	48	604	314	469	National	East
Simmons, Ted	Atlanta	127	32	4	14	25	12	19	8396	2402	242	1048	1348	819	National	West
Teufel, Tim	New York	279	69	4	35	31	32	4	1359	355	31	180	148	158	National	East
Wallach, Tim	Montreal	480	112	18	50	71	44	7	3031	771	110	338	406	239	National	East
Coleman, Vince	St Louis	600	139	0	94	29	60	2	1236	309	1	201	69	110	National	East
Hayes, Von	Philadelphia	610	186	19	107	98	74	6	2728	753	69	399	366	286	National	East
Law, Vance	Montreal	360	81	5	37	44	37	7	2268	566	41	279	257	246	National	East
Backman, Wally	New York	387	124	1	67	27	36	7	1775	506	6	272	125	194	National	East
Boggs, Wade	Boston	580	207	8	107	71	105	5	2778	978	32	474	322	417	American	East
Clark, Will	San Francisco	408	117	11	66	41	34	1	408	117	11	66	41	34	National	West
Joyner, Wally	California	593	172	22	82	100	57	1	593	172	22	82	100	57	American	West
Krenchicki, Wayne	Montreal	221	53	2	21	23	22	8	1063	283	15	107	124	106	National	East
McGee, Willie	St Louis	497	127	7	65	48	37	5	2703	806	32	379	311	138	National	East
Randolph, Willie	New York	492	136	5	76	50	94	12	5511	1511	39	897	451	875	American	East
Tolleson, Wayne	Chicago	475	126	3	61	43	52	6	1700	433	7	217	93	146	American	West
Upshaw, Willie	Toronto	573	144	9	85	60	78	8	3198	857	97	470	420	332	American	East
Wilson, Willie	Kansas City	631	170	9	77	44	31	11	4908	1457	30	775	357	249	American	West

The CONTENTS Procedure

Data Set Name	SASHELP.BASEBALL		**Observations**	322

Member Type	DATA		Variables	24
Engine	V9		Indexes	0
Created	09/11/2024 06:13:51		Observation Length	216
Last Modified	09/11/2024 06:13:51		Deleted Observations	0
Protection			Compressed	NO
Data Set Type			Sorted	NO
Label	1986 Baseball Data			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64, LINUX_POWER_64			
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	/opt/sas/viya/home/SASFoundation/sashelp/baseball.sas7bdat
Release Created	V.0400M0
Host Created	Linux
Inode Number	6214862
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
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

Div	Position	Salary	nHits	nHome
AE	C	.	66	1
NW	C	475.00	81	7
AW	1B	480.00	130	18
NE	RF	500.00	141	20
NE	1B	91.50	87	10
AW	SS	750.00	169	4
NE	2B	70.00	37	1
AW	SS	100.00	73	0
NW	SS	75.00	81	6
AE	DH	1100.00	92	17
AE	SS	517.14	159	21

Div	Position	Salary	nHits	nHome
NW	C	512.50	53	4
NE	RF	550.00	113	13
AE	2B	700.00	60	0
NE	UT	240.00	43	7
AW	OF	.	39	3
NW	3B	775.00	158	20
AW	SS	175.00	46	2
AW	1B	.	104	6
NW	C	135.00	32	8
NE	CF	100.00	92	16
AW	O1	115.00	109	3
AW	C	.	98	7
NW	C	600.00	116	16
AE	1B	776.67	168	18
AE	CF	765.00	163	4
NE	CF	708.33	73	4
NW	C	750.00	129	10
NW	2B	625.00	152	6
AW	LF	900.00	137	20
AW	2B	.	84	9
NW	CF	110.00	108	6
NW	1B	.	141	27
AE	3B	612.50	168	17
AW	C	300.00	49	6
NW	3B	850.00	106	10
AE	SS	.	36	0
NW	C	90.00	60	5
AE	DH	.	98	5
NW	2B	.	61	1
AE	1B	67.50	41	1
NW	UT	.	54	0
NW	OF	.	57	6
AE	UT	180.00	46	7
AE	C	.	40	7
AE	C	305.00	68	2
NW	3B	215.00	132	7
AE	OD	247.50	57	8
AE	1B	.	140	12
NW	RF	815.00	146	13
AW	C	875.00	101	14
NE	OF	70.00	53	2
AE	DH	.	84	15
AW	3B	1200.00	168	19
AE	CF	675.00	101	12
NW	OF	415.00	102	18
NW	O1	340.00	58	9
AE	C	.	61	3
NW	SS	416.67	78	6
AE	SS	1350.00	177	25
AE	OS	90.00	113	24
NE	3S	275.00	44	6
AW	2S	230.00	56	0
NW	3S	225.00	53	1
AW	OF	.	58	4
AE	DH	950.00	139	31
NE	C	.	37	4
AW	CF	75.00	53	5
AE	3B	105.00	142	20
AE	LF	.	113	1
NW	UT	320.00	81	3
NE	C	.	31	8
AW	3B	850.00	131	26
AE	1B	535.00	122	29
AE	RF	933.33	137	26
AE	2B	850.00	119	6
NW	CF	210.00	97	4
NE	OF	.	55	5

Div	Position	Salary	nHits	nHome
AW	OF	325.00	103	15
AW	23	275.00	96	4
AW	DH	.	118	35
NE	3O	450.00	70	7
AE	1B	1975.00	238	31
AW	RF	.	46	7
NW	CF	1900.00	163	29
AW	CF	600.00	83	9
NW	RF	1041.67	174	31
AE	LF	110.00	82	16
AW	CD	260.00	41	12
AW	SS	475.00	114	13
AW	C	431.50	83	13
NE	RF	1220.00	123	27
AE	3B	70.00	78	7
AW	RF	145.00	138	25
NW	SS	.	69	3
NW	3B	595.00	119	13
AE	RF	1861.46	148	24
NW	1B	.	71	2
NW	LF	300.00	115	27
NW	CF	490.00	110	15
AE	1B	2460.00	151	17
AE	SS	.	132	9
AE	SS	375.00	49	2
AE	C	.	106	16
AE	CF	.	114	23
AE	3B	.	37	8
NW	LF	.	95	23
AW	2B	750.00	154	22
AE	LF	1175.00	198	31
AE	LF	70.00	51	4
AW	3B	1500.00	128	16
NW	1B	385.00	76	16
NE	C	1925.57	125	24
NW	1B	215.00	152	31
NE	LF	.	64	14
AW	3B	900.00	171	34
AW	SS	155.00	118	12
AW	OF	700.00	77	14
NW	2B	535.00	94	4
AE	32	362.50	85	3
NE	LF	733.33	96	21
NW	3B	200.00	77	16
AW	CF	400.00	139	5
NE	LF	400.00	84	11
NW	SS	737.50	126	2
AW	DH	.	59	16
AW	1B	500.00	78	13
AW	LF	600.00	120	5
NE	RF	662.50	158	15
AW	RF	950.00	169	21
NE	SS	750.00	104	14
NE	3S	297.50	54	10
AW	DH	325.00	70	7
AW	2B	87.50	99	1
NW	1B	175.00	39	5
NE	OF	90.00	40	4
AE	RF	1237.50	170	40
AE	UT	430.00	103	6
AE	2B	.	69	1
AW	LF	100.00	103	2
AW	LF	165.00	144	33
AE	RF	250.00	200	29
NE	1B	1300.00	55	9
NW	LF	773.33	133	10
AW	2B	.	45	0

Div	Position	Salary	nHits	nHome
NE	C	1008.33	132	21
AE	DO	275.00	39	8
AE	SS	775.00	183	10
AE	2B	850.00	136	7
AE	DH	365.00	70	13
AW	UT	.	61	5
AW	3B	95.00	41	4
NW	LF	110.00	86	4
NW	LF	100.00	95	6
NE	3B	277.50	147	23
AW	CF	80.00	102	3
NE	OF	600.00	94	5
NE	RF	.	100	2
AW	DH	.	93	9
AW	3B	200.00	163	27
AW	CS	.	47	8
NE	2B	657.00	174	7
AW	C	75.00	39	2
AE	LF	2412.50	200	20
NW	UT	250.00	66	5
NE	C	155.00	76	13
NE	2B	640.00	157	16
AE	OF	300.00	92	11
AW	C	110.00	73	5
NE	OF	.	69	6
AW	C	825.00	91	12
AE	UT	.	54	13
NW	SS	195.00	101	3
AW	C	.	43	4
NW	OF	450.00	47	5
NW	RF	630.00	184	20
NW	OF	86.50	58	6
AE	RF	1300.00	118	28
AE	OF	1000.00	150	21
NE	1B	1800.00	171	13
AW	1B	1310.00	147	29
NW	OF	737.50	74	4
NW	CF	625.00	161	26
NE	OS	125.00	91	12
NE	RF	1043.33	159	12
NW	3B	725.00	136	5
AW	DH	300.00	85	24
AW	CF	365.00	223	31
NW	SS	75.00	64	0
NE	1B	1183.33	127	20
NE	CF	202.50	127	8
AE	OF	225.00	70	8
AE	RF	525.00	141	11
NW	O1	265.00	52	9
AE	CF	787.50	149	21
AE	C	800.00	84	22
AW	DH	587.50	128	28
NE	SS	.	34	0
AE	DH	145.00	92	18
AW	LF	.	146	8
AE	2B	420.00	157	20
NW	1O	75.00	54	2
AE	2B	575.00	179	4
NE	OF	.	53	4
AW	RF	780.00	131	19
NE	O1	90.00	56	12
NW	SS	150.00	93	8
AE	DH	700.00	148	14
NE	C	.	59	6
AE	LF	550.00	131	18
AW	UT	.	88	3
NE	C	650.00	65	8

Div	Position	Salary	nHits	nHome
AW	OF	68.00	54	3
NE	C	100.00	71	3
NW	RF	670.00	77	19
AE	3B	175.00	120	28
AW	C	137.00	60	8
NE	3B	2127.33	160	37
NW	C	875.00	94	5
AW	C	120.00	43	10
NE	CF	140.00	75	6
NE	CF	210.00	167	8
NE	OF	800.00	110	9
NW	OF	240.00	76	7
AE	LF	350.00	93	9
NW	1B	.	76	12
AW	SS	175.00	137	2
AW	CF	200.00	152	18
NW	RF	.	84	4
NE	SS	1940.00	144	0
NW	C	700.00	80	15
AW	LF	750.00	163	12
NW	3B	450.00	83	9
AW	RF	172.00	135	30
AE	3B	1260.00	123	9
AW	1B	.	160	23
NW	1B	750.00	52	0
AE	OF	190.00	56	6
AE	1B	580.00	154	6
NE	SS	130.00	72	0
AW	UT	450.00	77	5
AW	LF	300.00	96	7
AE	C	250.00	56	4
NE	3B	1050.00	70	13
AE	RF	215.00	108	33
AE	C	400.00	68	13
AE	C	.	119	16
AE	C	560.00	110	9
AE	CF	1670.00	160	28
AW	DH	487.50	101	18
AW	RF	.	90	17
AW	DH	425.00	82	21
NE	3B	500.00	145	11
NW	OF	.	44	7
AW	OF	.	80	1
AE	DO	250.00	76	5
AE	OF	400.00	52	8
AE	3B	450.00	90	11
NW	2B	750.00	135	8
AE	SS	70.00	68	2
NW	S3	875.00	119	8
NE	LF	190.00	108	9
NE	OF	191.00	68	5
NE	2B	740.00	178	14
NE	SS	250.00	86	1
NE	3B	140.00	57	8
AW	OF	97.50	101	16
AW	DH	740.00	113	20
NW	2B	140.00	149	7
AW	2B	341.67	63	3
NW	CF	.	84	4
AE	CF	1000.00	163	9
AW	1B	100.00	117	29
AW	C	90.00	66	5
NE	1B	200.00	140	16
AW	3B	135.00	112	18
NE	SS	155.00	145	17
AW	SS	475.00	159	3
NW	1B	1450.00	142	21

Div	Position	Salary	nHits	nHome
NE	SS	150.00	96	0
AW	2B	105.00	103	8
AW	SS	350.00	122	1
NW	2B	90.00	210	6
AE	CF	.	112	11
AE	2B	530.00	169	17
AE	UT	341.67	76	3
AW	RF	940.00	152	23
AE	SS	350.00	213	10
NW	2B	326.67	103	3
NE	UT	250.00	70	1
NW	RF	740.00	211	14
NW	OF	425.00	68	8
AW	2B	.	63	7
NE	2B	925.00	141	2
AW	3B	185.00	120	17
NW	C	920.00	114	12
NE	OF	286.67	43	2
AW	C	245.00	47	10
AE	3B	.	46	1
AW	UT	235.00	61	4
NE	C	1150.00	147	10
NE	3B	160.00	138	1
NW	1B	.	51	2
AW	2B	425.00	113	5
NW	OF	900.00	42	3
NE	LF	.	194	9
NW	UT	500.00	32	4
NE	2B	277.50	69	4
NE	3B	750.00	112	18
NE	LF	160.00	139	0
NE	1B	1300.00	186	19
NE	2B	525.00	81	5
NE	2B	550.00	124	1
AE	3B	1600.00	207	8
NW	1B	120.00	117	11
AW	1B	165.00	172	22
NE	13	.	53	2
NE	CF	700.00	127	7
AE	2B	875.00	136	5
AW	3B	385.00	126	3
AE	1B	960.00	144	9
AW	CF	1000.00	170	9

The UNIVARIATE Procedure
Variable: Salary (1987 Salary in $ Thousands)

Moments			
N	263	Sum Weights	263
Mean	535.925882	Sum Observations	140948.507
Std Deviation	451.118681	Variance	203508.064
Skewness	1.58896735	Kurtosis	3.05896473
Uncorrected SS	128857066	Corrected SS	53319112.8
Coeff Variation	84.1755727	Std Error Mean	27.8171695

Basic Statistical Measures			
Location		Variability	
Mean	535.9259	Std Deviation	451.11868
Median	425.0000	Variance	203508
Mode	750.0000	Range	2393
		Interquartile Range	560.00000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	19.26601	Pr > |t|	<.0001
Sign	M	131.5	Pr >= |M|	<.0001

Tests for Location: Mu0=0			
Test	Statistic		p Value
Signed Rank	S	17358	Pr >= |S| <.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2460.00
99%	2127.33
95%	1350.00
90%	1050.00
75% Q3	750.00
50% Median	425.00
25% Q1	190.00
10%	100.00
5%	86.50
1%	70.00
0% Min	67.50

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
67.5	41	1940.00	230
68.0	213	1975.00	83
70.0	260	2127.33	218
70.0	110	2412.50	164
70.0	93	2460.00	101

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	59	18.32	100.00

The UNIVARIATE Procedure

Distribution of Salary
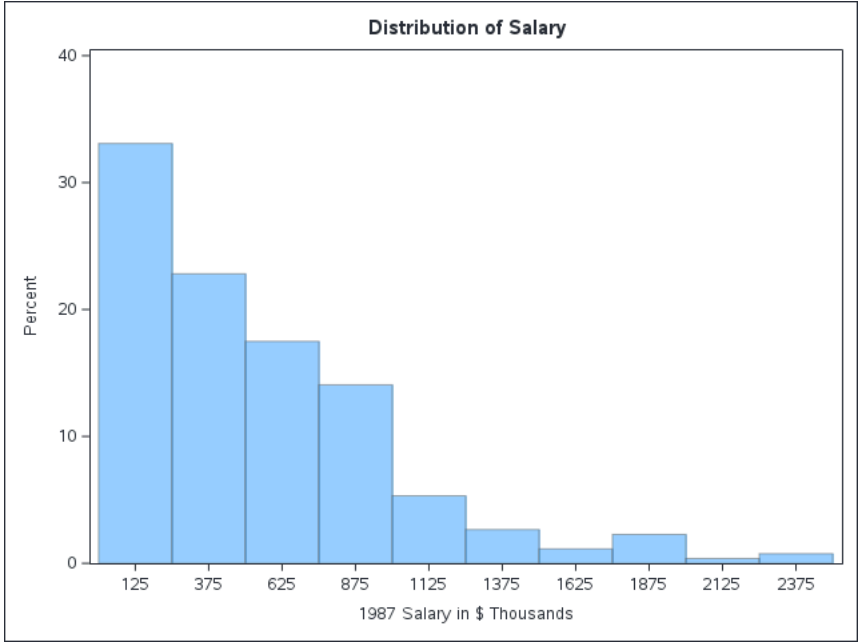
The UNIVARIATE Procedure
Variable: nHits (Hits in 1986)

Moments			
N	322	Sum Weights	322
Mean	103.397516	Sum Observations	33294
Std Deviation	44.1795091	Variance	1951.82903
Skewness	0.4233842	Kurtosis	-0.5671338
Uncorrected SS	4069054	Corrected SS	626537.118

Moments			
Coeff Variation	42.7278247	Std Error Mean	2.46202779

Basic Statistical Measures			
Location		Variability	
Mean	103.3975	Std Deviation	44.17951
Median	98.5000	Variance	1952
Mode	53.0000	Range	207.00000
		Interquartile Range	70.00000

Note: The mode displayed is the smallest of 4 modes with a count of 6.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	41.99689	Pr > |t|	<.0001
Sign	M	161	Pr >= |M|	<.0001
Signed Rank	S	26001.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	238.0
99%	211.0
95%	174.0
90%	163.0
75% Q3	138.0
50% Median	98.5
25% Q1	68.0
10%	49.0
5%	41.0
1%	34.0
0% Min	31.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
31	72	210	283
32	307	211	291
32	20	213	288
34	198	223	188
36	37	238	83

The UNIVARIATE Procedure

Distribution of nHits

The UNIVARIATE Procedure
Variable: nHome (Home Runs in 1986)
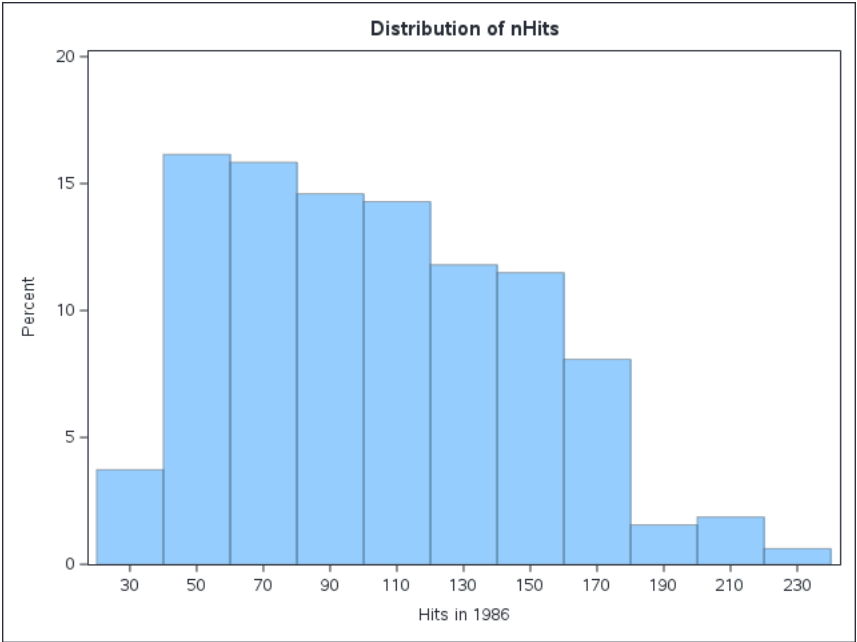
Moments			
N	322	Sum Weights	322
Mean	11.1024845	Sum Observations	3575
Std Deviation	8.69876956	Variance	75.6685919
Skewness	0.91920701	Kurtosis	0.11851653
Uncorrected SS	63981	Corrected SS	24289.618
Coeff Variation	78.3497566	Std Error Mean	0.48476348

Basic Statistical Measures			
Location		Variability	
Mean	11.10248	Std Deviation	8.69877
Median	8.50000	Variance	75.66859
Mode	4.00000	Range	40.00000
		Interquartile Range	12.00000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	22.90289	Pr > |t|	<.0001
Sign	M	154.5	Pr >= |M|	<.0001
Signed Rank	S	23947.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	40.0
99%	34.0
95%	29.0
90%	24.0
75% Q3	16.0
50% Median	8.5
25% Q1	4.0
10%	2.0
5%	1.0
1%	0.0
0% Min	0.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	310	33	245
0	280	34	116
0	240	35	81
0	237	37	218
0	230	40	137

The UNIVARIATE Procedure

Distribution of nHome
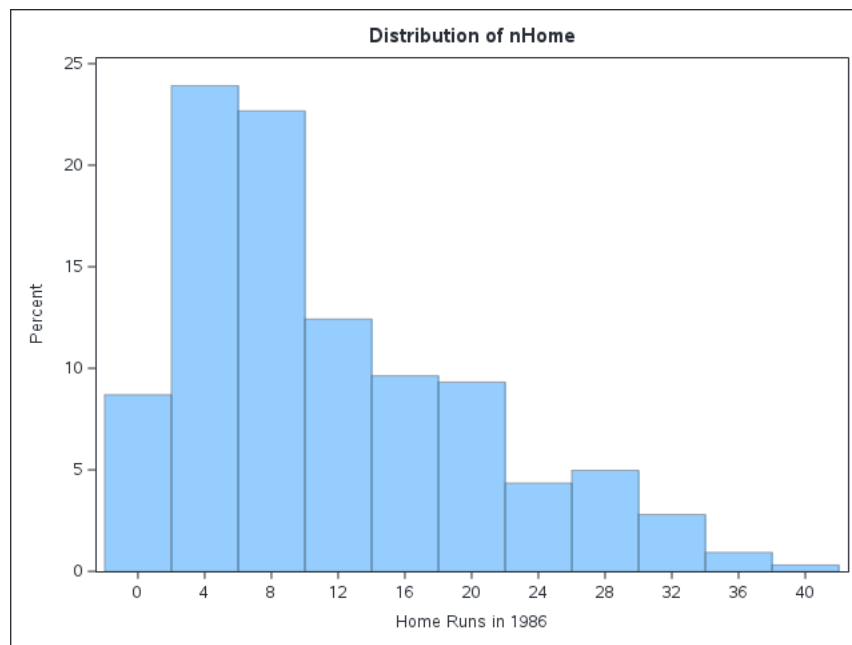
The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
Salary	1987 Salary in $ Thousands	263	535.93	451.12	67.50	2460.00
nHits	Hits in 1986	322	103.40	44.18	31.00	238.00
nHome	Home Runs in 1986	322	11.10	8.70	0.00	40.00