

## 5 point Summary

### The MEANS Procedure

Variable	Label	Mean	Median	Mode	Std Dev	Variance	Minimum	Maximum
nAtBat	Times at Bat in 1986	390.0745342	390.5000000	209.0000000	143.5958352	20619.76	127.0000000	687.0000000
nHits	Hits in 1986	103.3975155	98.5000000	53.0000000	44.1795091	1951.83	31.0000000	238.0000000
nHome	Home Runs in 1986	11.1024845	8.5000000	4.0000000	8.6987696	75.6685919	0	40.0000000
nRuns	Runs in 1986	52.2173913	48.0000000	42.0000000	25.0573661	627.8715969	12.0000000	130.0000000
nRBI	RBIs in 1986	49.3726708	45.0000000	29.0000000	25.5011624	650.3092819	8.0000000	121.0000000
nBB	Walks in 1986	39.8571429	35.5000000	22.0000000	21.0959408	445.0387183	3.0000000	105.0000000
YrMajor	Years in the Major Leagues	7.6801242	6.0000000	4.0000000	4.9697066	24.6979838	1.0000000	24.0000000
CrAtBat	Career Times at Bat	2763.08	2065.00	216.0000000	2328.48	5421815.23	166.0000000	14053.00
CrHits	Career Hits	747.6863354	552.0000000	160.0000000	654.7876194	428746.83	34.0000000	4256.00
CrHome	Career Home Runs	74.0900621	40.0000000	16.0000000	90.0651268	8111.73	0	548.0000000
CrRuns	Career Runs	374.2857143	266.0000000	20.0000000	336.4250377	113181.81	18.0000000	2165.00
CrRbi	Career RBIs	347.6149068	250.0000000	32.0000000	338.7903452	114778.90	9.0000000	1659.00
CrBB	Career Walks	273.3944099	178.5000000	55.0000000	273.6253716	74870.84	8.0000000	1566.00
nOuts	Put Outs in 1986	288.9937888	212.0000000	0	280.6566732	78768.17	0	1378.00
nAssts	Assists in 1986	106.9161491	39.5000000	0	136.8524541	18728.59	0	492.0000000
nError	Errors in 1986	8.0403727	6.0000000	3.0000000	6.3683591	40.5559974	0	32.0000000
Salary	1987 Salary in \$ Thousands	535.9258821	425.0000000	750.0000000	451.1186807	203508.06	67.5000000	2460.00
logSalary	Log Salary	5.9272215	6.0520892	6.6200732	0.8891924	0.7906631	4.2121276	7.8079166

## Number of missing values

### The MEANS Procedure

Variable	Label	N Miss
nAtBat	Times at Bat in 1986	0
nHits	Hits in 1986	0
nHome	Home Runs in 1986	0
nRuns	Runs in 1986	0
nRBI	RBIs in 1986	0
nBB	Walks in 1986	0
YrMajor	Years in the Major Leagues	0
CrAtBat	Career Times at Bat	0
CrHits	Career Hits	0
CrHome	Career Home Runs	0
CrRuns	Career Runs	0
CrRbi	Career RBIs	0
CrBB	Career Walks	0
nOuts	Put Outs in 1986	0
nAssts	Assists in 1986	0
nError	Errors in 1986	0
Salary	1987 Salary in \$ Thousands	59
logSalary	Log Salary	59

## Getting Number of Distinct Values

Name	Team	nAtBat	nHits	nHome
322	24	246	136	37

## Correlation of the Attributes

### The CORR Procedure

<b>18 Variables:</b>	nAtBat nHits nHome nRuns nRBI nBB YrMajor CrAtBat CrHits CrHome CrRuns CrRbi CrBB nOuts nAssts nError Salary logSalary
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Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
nAtBat	322	390.07453	143.59584	125604	127.00000	687.00000	Times at Bat in 1986
nHits	322	103.39752	44.17951	33294	31.00000	238.00000	Hits in 1986
nHome	322	11.10248	8.69877	3575	0	40.00000	Home Runs in 1986
nRuns	322	52.21739	25.05737	16814	12.00000	130.00000	Runs in 1986
nRBI	322	49.37267	25.50116	15898	8.00000	121.00000	RBIs in 1986
nBB	322	39.85714	21.09594	12834	3.00000	105.00000	Walks in 1986
YrMajor	322	7.68012	4.96971	2473	1.00000	24.00000	Years in the Major Leagues
CrAtBat	322	2763	2328	889711	166.00000	14053	Career Times at Bat
CrHits	322	747.68634	654.78762	240755	34.00000	4256	Career Hits
CrHome	322	74.09006	90.06513	23857	0	548.00000	Career Home Runs
CrRuns	322	374.28571	336.42504	120520	18.00000	2165	Career Runs
CrRbi	322	347.61491	338.79035	111932	9.00000	1659	Career RBIs
CrBB	322	273.39441	273.62537	88033	8.00000	1566	Career Walks
nOuts	322	288.99379	280.65667	93056	0	1378	Put Outs in 1986
nAssts	322	106.91615	136.85245	34427	0	492.00000	Assists in 1986
nError	322	8.04037	6.36836	2589	0	32.00000	Errors in 1986
Salary	263	535.92588	451.11868	140949	67.50000	2460	1987 Salary in \$ Thousands
logSalary	263	5.92722	0.88919	1559	4.21213	7.80792	Log Salary

### Pearson Correlation Coefficients

Prob > |r| under H0: Rho=0  
Number of Observations

	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	nOuts	nAssts	nError	Salary	logSalary
nAtBat Times at Bat in 1986	1.00000 322	0.96447 <.0001 322	0.57307 <.0001 322	0.90260 <.0001 322	0.80281 <.0001 322	0.63578 <.0001 322	-0.00848 0.8795 322	0.18556 0.0008 322	0.20568 0.0002 322	0.20577 0.0002 322	0.22315 <.0001 322	0.20317 0.0002 322	0.12337 0.0269 322	0.34395 <.0001 322	0.35758 <.0001 322	0.35789 <.0001 322	0.46167 <.0001 263	0.46183 <.0001 263
nHits Hits in 1986	0.96447 <.0001 322	1.00000 322	0.54165 <.0001 322	0.91167 <.0001 322	0.79311 <.0001 322	0.60620 <.0001 322	-0.00803 0.8858 322	0.17943 0.0012 322	0.21111 0.0001 322	0.17398 0.0017 322	0.22119 <.0001 322	0.19261 0.0005 322	0.11229 0.0441 322	0.32743 <.0001 322	0.32131 <.0001 322	0.31055 <.0001 322	0.50136 <.0001 263	0.49233 <.0001 263
nHome Home Runs in 1986	0.57307 <.0001 322	0.54165 <.0001 322	1.00000 322	0.63965 <.0001 322	0.85394 <.0001 322	0.46835 <.0001 322	0.09768 0.0801 322	0.20287 0.0002 322	0.20179 0.0003 322	0.49270 <.0001 322	0.25413 <.0001 322	0.34369 <.0001 322	0.23478 <.0001 322	0.27319 <.0001 322	-0.11134 0.0459 322	0.02394 0.6687 322	0.39885 <.0001 263	0.37124 <.0001 263

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations																			
	nAtBat	nHits	nHome	nRuns	nRBI	nBB	YrMajor	CrAtBat	CrHits	CrHome	CrRuns	CrRbi	CrBB	nOuts	nAssts	nError	Salary	logSalary	
nRuns Runs in 1986	0.90260 <.0001 322	0.91167 <.0001 322	0.63965 <.0001 322	1.00000 322	0.78053 <.0001 322	0.71288 <.0001 322	-0.04267 0.4454 322	0.14153 0.0110 322	0.16193 0.0036 322	0.20649 0.0002 322	0.21660 <.0001 322	0.17128 0.0020 322	0.15511 0.0053 322	0.28501 <.0001 322	0.21438 0.0001 322	0.23265 <.0001 322	0.47903 <.0001 263	0.46268 <.0001 263	
nRBI RBIs in 1986	0.80281 <.0001 322	0.79311 <.0001 322	0.85394 <.0001 322	0.78053 <.0001 322	1.00000 322	0.59070 <.0001 322	0.11291 0.0429 322	0.26276 <.0001 322	0.27740 <.0001 322	0.43552 <.0001 322	0.30097 <.0001 322	0.37475 <.0001 322	0.23648 <.0001 322	0.34861 <.0001 322	0.09887 0.0765 322	0.18245 0.0010 322	0.51723 <.0001 263	0.48533 <.0001 263	
nBB Walks in 1986	0.63578 <.0001 322	0.60620 <.0001 322	0.46835 <.0001 322	0.71288 <.0001 322	0.59070 <.0001 322	1.00000 322	0.10870 0.0513 322	0.24748 <.0001 322	0.25170 <.0001 322	0.32478 <.0001 322	0.31884 <.0001 322	0.28955 <.0001 322	0.41501 <.0001 322	0.30121 <.0001 322	0.14036 0.0117 322	0.11260 0.0435 322	0.50462 <.0001 263	0.46920 <.0001 263	
YrMajor Years in the Major Leagues	-0.00848 0.8795 322	-0.00803 0.8858 322	0.09768 0.0801 322	-0.04267 0.4454 322	0.11291 0.0429 322	0.10870 0.0513 322	1.00000 322	0.92066 <.0001 322	0.90352 <.0001 322	0.72149 <.0001 322	0.87947 <.0001 322	0.86822 <.0001 322	0.83299 <.0001 322	-0.00995 0.8588 322	-0.09730 0.0813 322	-0.18612 0.0008 322	0.44288 <.0001 263	0.56436 <.0001 263	
CrAtBat Career Times at Bat	0.18556 0.0008 322	0.17943 0.0012 322	0.20287 0.0002 322	0.14153 0.0110 322	0.26276 <.0001 322	0.24748 <.0001 322	0.92066 <.0001 322	1.00000 322	0.99489 <.0001 322	0.79222 <.0001 322	0.98069 <.0001 322	0.94741 <.0001 322	0.90035 <.0001 322	0.06104 0.2748 322	-0.01305 0.8155 322	-0.08805 0.1148 322	0.57165 <.0001 263	0.63801 <.0001 263	
CrHits Career Hits	0.20568 0.0002 322	0.21111 0.0001 322	0.20179 0.0003 322	0.16193 0.0036 322	0.27740 <.0001 322	0.25170 <.0001 322	0.90352 <.0001 322	0.99489 <.0001 322	1.00000 322	0.77573 <.0001 322	0.98208 <.0001 322	0.94254 <.0001 322	0.88452 <.0001 322	0.07461 0.1817 322	-0.01652 0.7677 322	-0.08325 0.1360 322	0.59221 <.0001 263	0.64598 <.0001 263	
CrHome Career Home Runs	0.20577 0.0002 322	0.17398 0.0017 322	0.49270 <.0001 322	0.20649 0.0002 322	0.43552 <.0001 322	0.32478 <.0001 322	0.72149 <.0001 322	0.79222 <.0001 322	0.77573 <.0001 322	1.00000 322	0.82093 <.0001 322	0.92799 <.0001 322	0.80619 <.0001 322	0.08965 0.1083 322	-0.16032 0.0039 322	-0.15837 0.0044 322	0.58125 <.0001 263	0.54641 <.0001 263	
CrRuns Career Runs	0.22315 <.0001 322	0.22119 <.0001 322	0.25413 <.0001 322	0.21660 <.0001 322	0.30097 <.0001 322	0.31884 <.0001 322	0.87947 <.0001 322	0.98069 <.0001 322	0.98208 <.0001 322	0.82093 <.0001 322	1.00000 322	0.94314 <.0001 322	0.92677 <.0001 322	0.05420 0.3323 322	-0.03357 0.5484 322	-0.10625 0.0568 322	0.61278 <.0001 263	0.64709 <.0001 263	
CrRbi Career RBIs	0.20317 0.0002 322	0.19261 0.0005 322	0.34369 <.0001 322	0.17128 0.0020 322	0.37475 <.0001 322	0.28955 <.0001 322	0.86822 <.0001 322	0.94741 <.0001 322	0.94254 <.0001 322	0.92799 <.0001 322	0.94314 <.0001 322	1.00000 322	0.88500 <.0001 322	0.10088 0.0706 322	-0.09126 0.1021 322	-0.12324 0.0270 322	0.61871 <.0001 263	0.62937 <.0001 263	
CrBB Career Walks	0.12337 0.0269 322	0.11229 0.0441 322	0.23478 <.0001 322	0.15511 0.0053 322	0.23648 <.0001 322	0.41501 <.0001 322	0.83299 <.0001 322	0.90035 <.0001 322	0.88452 <.0001 322	0.80619 <.0001 322	0.92677 <.0001 322	0.88500 <.0001 322	1.00000 322	0.04573 0.4134 322	-0.04550 0.4158 322	-0.14027 0.0117 322	0.54574 <.0001 263	0.57158 <.0001 263	
nOuts Put Outs in 1986	0.34395 <.0001 322	0.32743 <.0001 322	0.27319 <.0001 322	0.28501 <.0001 322	0.34861 <.0001 322	0.30121 <.0001 322	-0.00995 0.8588 322	0.06104 0.2748 322	0.07461 0.1817 322	0.08965 0.1083 322	0.05420 0.3323 322	0.10088 0.0706 322	0.04573 0.4134 322	1.00000 322	-0.02520 0.6523 322	0.10974 0.0491 322	0.30048 <.0001 263	0.22448 0.0002 263	
nAssts Assists in 1986	0.35758 <.0001 322	0.32131 <.0001 322	-0.11134 0.0459 322	0.21438 0.0001 322	0.09887 0.0765 322	0.14036 0.0117 322	-0.09730 0.0813 322	-0.01305 0.8155 322	-0.01652 0.7677 322	-0.16032 0.0039 322	-0.03357 0.5484 322	-0.09126 0.1021 322	-0.04550 0.4158 322	-0.02520 0.6523 322	1.00000 322	0.70635 <.0001 322	0.02544 0.6814 263	0.04997 0.4197 263	
nError Errors in 1986	0.35789 <.0001 322	0.31055 <.0001 322	0.02394 0.6687 322	0.23265 <.0001 322	0.18245 0.0010 322	0.11260 0.0435 322	-0.18612 0.0008 322	-0.08805 0.1148 322	-0.08325 0.1360 322	-0.15837 0.0044 322	-0.10625 0.0568 322	-0.12324 0.0270 322	-0.14027 0.0117 322	0.10974 0.0491 322	0.70635 <.0001 322	1.00000 322	-0.00540 0.9305 263	-0.02076 0.7375 263	
Salary 1987 Salary in \$ Thousands	0.46167 <.0001 263	0.50136 <.0001 263	0.39885 <.0001 263	0.47903 <.0001 263	0.51723 <.0001 263	0.50462 <.0001 263	0.44288 <.0001 263	0.57165 <.0001 263	0.59221 <.0001 263	0.58125 <.0001 263	0.61278 <.0001 263	0.61871 <.0001 263	0.54574 <.0001 263	0.30048 <.0001 263	0.02544 0.6814 263	-0.00540 0.9305 263	1.00000 263	0.89544 <.0001 263	
logSalary Log Salary	0.46183 <.0001 263	0.49233 <.0001 263	0.37124 <.0001 263	0.46268 <.0001 263	0.48533 <.0001 263	0.46920 <.0001 263	0.56436 <.0001 263	0.63801 <.0001 263	0.64598 <.0001 263	0.54641 <.0001 263	0.64709 <.0001 263	0.62937 <.0001 263	0.57158 <.0001 263	0.22448 0.0002 263	0.04997 0.4197 263	-0.02076 0.7375 263	0.89544 <.0001 263	1.00000 263	









