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The SAS System

The UNIVARIATE Procedure Variable: td_mean1

Moments						
N	740556	Sum Weights	740556			
Mean	10.7119143	Sum Observations	7932772.4			
Std Deviation	7.36448545	Variance	54.2356459			
Skewness	5.89946015	Kurtosis	59.6207873			
Uncorrected SS	125139657	Corrected SS	40164478.7			
Coeff Variation	68.7504142	Std Error Mean	0.00855783			

Basic Statistical Measures						
Location Variability						
Mean	10.71191	Std Deviation	7.36449			
Median	9.36667	Variance	54.23565			
Mode	9.40000	Range	114.10000			
		Interquartile Range	6.75835			

Tests for Location: Mu0=0				
Test	;	Statistic	p Va	lue
Student's t	t 1251.71		Pr > t	<.0001
Sign	М	370100.5	Pr >= M	<.0001
Signed Rank	s	1.37E11	Pr >= S	<.0001

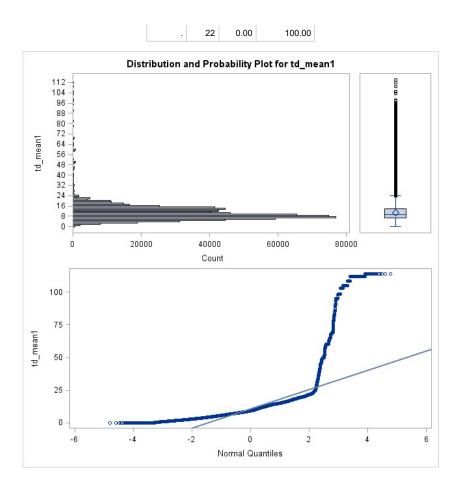
Tests for Normality					
Test	Statistic p Value				
Kolmogorov-Smirnov	D	0.124065	Pr > D	<0.0100	
Cramer-von Mises	W-Sq	5461.249	Pr > W-Sq	<0.0050	
Anderson-Darling	A-Sq	35983.82	Pr > A-Sq	<0.0050	

Quantiles (Definition 5)					
Level	Quantile				
100% Max	114.00000				
99%	36.46800				
95%	19.17250				
90%	16.60500				
75% Q3	13.55835				
50% Median	9.36667				
25% Q1	6.80000				
10%	4.83333				
5%	3.78889				
1%	2.20938				
0% Min	-0.10000				

Extreme Observations					
Lo	west	Hig	hest		
Value	Obs	Value	Obs		
-0.1	491433	114	716145		
0.0	710139	114	716147		
0.0	695122	114	716163		
0.0	695098	114	716165		
0.0	695082	114	716167		

Missing Values			
Missing		Percent Of	
	Count	All Obs	Missing Obs

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The SAS System

The UNIVARIATE Procedure Variable: td_mean1

Moments						
N	729071	Sum Weights	729071			
Mean	10.077576	Sum Observations	7347268.43			
Std Deviation	4.44008097	Variance	19.714319			
Skewness	0.48087215	Kurtosis	-0.3814812			
Uncorrected SS	88415774.7	Corrected SS	14373118.6			
Coeff Variation	44.0590174	Std Error Mean	0.00520003			

Basic Statistical Measures					
Location Variability					
Mean	10.07758	Std Deviation	4.44008		
Median	9.25800	Variance	19.71432		
Mode	9.40000	Range	23.79553		
		Interquartile Range	6.59000		

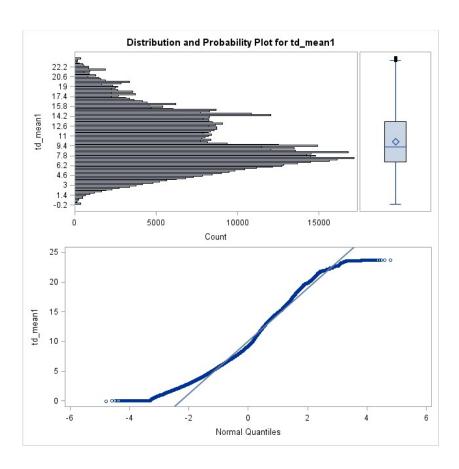
Tests for Location: Mu0=0				
Test		Statistic	p Va	ue
Student's t	t 1937.984		Pr > t	<.0001
Sign	М	364358	Pr >= M	<.0001
Signed Rank	s	1.328E11	Pr >= S	<.0001

Tests for Normality				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.077826	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1104.468	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	6049.689	Pr > A-Sq	<0.0050

Quantiles (Definition 5)				
Level	Quantile			
100% Max	23.69553			
99%	21.27500			
95%	18.26900			
90%	16.18670			
75% Q3	13.35000			
50% Median	9.25800			
25% Q1	6.76000			
10%	4.80708			
5%	3.76667			
1%	2.19667			
0% Min	-0.10000			

Extreme Observations				
Lo	Lowest Highest			
Value	Obs	Value	Obs	
-0.1	488275	23.6917	402571	
0.0	699451	23.6925	402518	
0.0	685118	23.6942	430559	
0.0	685094	23.6950	403155	
0.0	685078	23.6955	348124	

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The SAS System

The UNIVARIATE Procedure Variable: mileage1

Moments				
N	Sum Weights	726878		
Mean	58907.3527	Sum Observations	4.28185E10	
Std Deviation	73118.0226	Variance	5346245222	
Skewness	2.2688229	Kurtosis	9.19481143	
Uncorrected SS	6.40838E15	Corrected SS	3.88606E15	
Coeff Variation	124.123762	Std Error Mean	85.7617581	

Basic Statistical Measures				
Location Variability				
Mean	58907.35	Std Deviation	73118	
Median	32776.00	Variance	5346245222	
Mode	0.00	Range	1554961	
		Interquartile Range	78111	

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	686.872	Pr > t	<.0001
Sign	М	282588.5	Pr >= M	<.0001
Signed Rank	s	7.986E10	Pr >= S	<.0001

Tests for Normality				
Test Statistic p Value				lue
Kolmogorov-Smirnov	D	0.210212	Pr > D	<0.0100
Cramer-von Mises	W-Sq	8142.796	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	45894.94	Pr > A-Sq	<0.0050

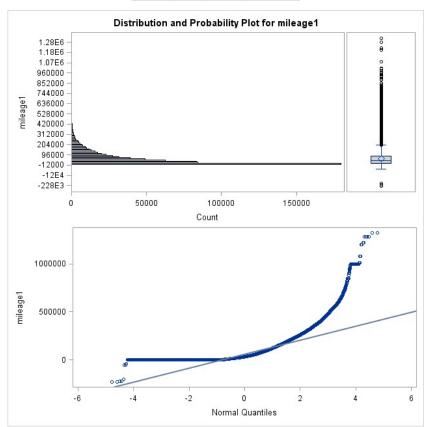
Quantiles (Definition 5)			
Level	Quantile		
100% Max	1323980		
99%	316902		
95%	207368		
90%	157609		
75% Q3	84460		
50% Median	32776		
25% Q1	6349		
10%	0		
5%	0		
1%	0		
0% Min	-230981		

E	Extreme Observations				
Low	Lowest Highest				
Value	Obs	Value	Obs		
-230981	285838	1283770	368108		
-230981	263728	1283770	387531		
-222161	285840	1283770	392019		
-222161	263730	1323980	456923		
-202963	22259	1323980	488078		

Missing Values		
Missing	Percent Of	
Wilssing		

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Value	Count	All Obs	Missing Obs
	2193	0.30	100.00



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The SAS System

The UNIVARIATE Procedure Variable: td_min1

Moments				
N	200053	Sum Weights	200053	
Mean	4.71581071	Sum Observations	943412.08	
Std Deviation	6.07665113	Variance	36.9256889	
Skewness	1.38119276	Kurtosis	0.47708058	
Uncorrected SS	11836010.7	Corrected SS	7387057.92	
Coeff Variation	128.856977	Std Error Mean	0.013586	

	Basic S	Statistical Measures	
Location Variability			
Mean	4.715811	Std Deviation	6.07665
Median	1.000000	Variance	36.92569
Mode	1.000000	Range	23.00000
		Interquartile Range	6.50000

Tests for Location: Mu0=0				
Test	Statistic		p Va	lue
Student's t	t	347.108	Pr > t	<.0001
Sign	М	100015	Pr >= M	<.0001
Signed Rank	s	1E10	Pr >= S	<.0001

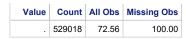
Tests for Normality						
Test Statistic p Value						
Kolmogorov-Smirnov	D	0.395311	Pr > D	<0.0100		
Cramer-von Mises	W-Sq	6171.695	Pr > W-Sq	<0.0050		
Anderson-Darling						

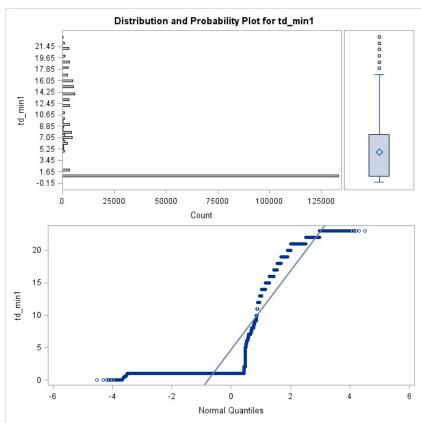
Quantiles (Definition 5)		
Level Quantile		
100% Max	23.0	
99%	21.0	
95%	18.0	
90%	15.0	
75% Q3	7.5	
50% Median	1.0	
25% Q1	1.0	
10%	1.0	
5%	1.0	
1%	1.0	
0% Min	0.0	

Extreme Observations				
Lo	west	Highest		
Value	Obs	Value Ob		
0	578912	23	418801	
0	487081	23	420999	
0	458003	23	421056	
0	399516	23	448083	
0	384188	23	450146	

Missing Values		
	Percent Of	
Missing		

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The SAS System

The UNIVARIATE Procedure Variable: tacho1

Moments					
N	613070	Sum Weights	613070		
Mean	305907.98	Sum Observations	1.87543E11		
Std Deviation	302741.686	Variance	9.16525E10		
Skewness	8.64824136	Kurtosis	245.090993		
Uncorrected SS	1.1356E17	Corrected SS	5.61893E16		
Coeff Variation	98.9649523	Std Error Mean	386.649268		

Basic Statistical Measures					
Location Variability					
Mean	305908.0	Std Deviation	302742		
Median	230302.0	Variance	9.16525E10		
Mode	0.0	Range	10464400		
		Interquartile Range	319549		

Tests for Location: Mu0=0					
Test	:	Statistic	p Va	p Value	
Student's t	t 791.1769		Pr > t	<.0001	
Sign	М	299751.5	Pr >= M	<.0001	
Signed Rank	s	8.985E10	Pr >= S	<.0001	

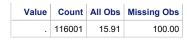
Tests for Normality						
Test Statistic p Value						
Kolmogorov-Smirnov	D	0.156138	Pr > D	<0.0100		
Cramer-von Mises	W-Sq	3935.047	Pr > W-Sq	<0.0050		
Anderson-Darling A-Sq 23373.5 Pr > A-Sq <0.0050						

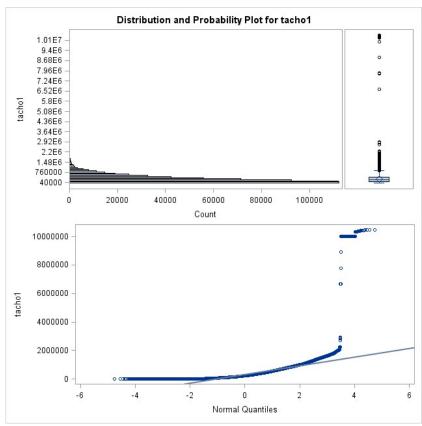
Quantiles (Definition 5)			
Level	Quantile		
100% Max	10464400.0		
99%	1174350.0		
95%	832946.0		
90%	671111.0		
75% Q3	428100.0		
50% Median	230302.0		
25% Q1	108551.0		
10%	43652.5		
5%	18972.0		
1%	0.0		
0% Min	0.0		

Extreme Observations				
Lo	west	Highest		
Value	Obs	Value	Obs	
0	701733	10420800	489307	
0	701667	10441900	469787	
0	701655	10441900	489302	
0	701578	10464400	469788	
0	701575	10464400	489308	

Missing Values		
	Percent Of	
Missing		

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The SAS System

The UNIVARIATE Procedure Variable: tisize_rim (tisize_rim)

Moments				
N	729071	Sum Weights	729071	
Mean	20.071875	Sum Observations	14633822	
Std Deviation	10.8346531	Variance	117.389707	
Skewness	37.6964637	Kurtosis	1563.32652	
Uncorrected SS	379313560	Corrected SS	85585313.6	
Coeff Variation	53.9792772	Std Error Mean	0.01268908	

Basic Statistical Measures					
Location Variability					
Mean	20.07188	7188 Std Deviation 10.83			
Median	22.50000	Variance	117.38971		
Mode	22.50000	Range	468.00000		
		Interquartile Range	6.50000		

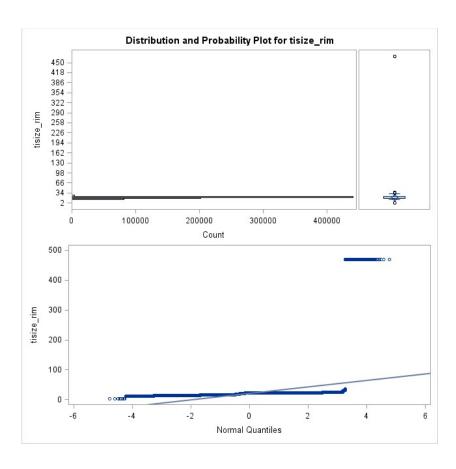
Tests for Location: Mu0=0						
Test Statistic p				o Value		
Student's t	t	1581.823	Pr > t	<.0001		
Sign	М	364535.5	Pr >= M	<.0001		
Signed Rank	s	1.329E11	Pr >= S	<.0001		

Tests for Normality					
Test Statistic p Value					
Kolmogorov-Smirnov	D	0.40491	Pr > D	<0.0100	
Cramer-von Mises	W-Sq	26435.12	Pr > W-Sq	<0.0050	
Anderson-Darling	A-Sq	140535.3	Pr > A-Sq	<0.0050	

Quantiles (Definition 5)			
Level	Quantile		
100% Max	470.0		
99%	22.5		
95%	22.5		
90%	22.5		
75% Q3	22.5		
50% Median	22.5		
25% Q1	16.0		
10%	15.0		
5%	15.0		
1%	13.0		
0% Min	2.0		

Extreme Observations					
Lowest		Highest			
Value	Obs	Value	Obs		
2	641483	470	340615		
2	641482	470	364561		
2	641481	470	364562		
2	641480	470	364563		
2	641479	470	364564		

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The SAS System

The UNIVARIATE Procedure Variable: tisize_width (tisize_width)

Moments					
N	729071	Sum Weights	729071		
Mean	281.918361	Sum Observations	205538502		
Std Deviation	67.7291886	Variance	4587.24299		
Skewness	0.53804106	Kurtosis	1.42921358		
Uncorrected SS	6.12895E10	Corrected SS	3344421248		
Coeff Variation	24.0243978	Std Error Mean	0.07932151		

	Basic Statistical Measures					
Location Variability						
Mean	281.9184	Std Deviation 67.72				
Median	295.0000	Variance	4587			
Mode	315.0000	Range	978.00000			
		Interquartile Range	90.00000			

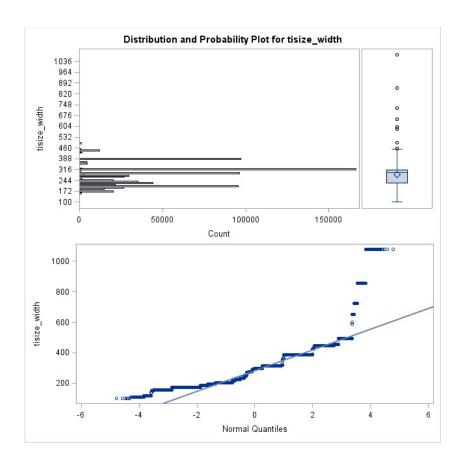
Tests for Location: Mu0=0					
Test Statistic p Value					
Student's t	t	3554.123	Pr > t	<.0001	
Sign	М	364535.5	Pr >= M	<.0001	
Signed Rank	s	1.329E11	Pr >= S	<.0001	

Tests for Normality					
Test Statistic p Value					
Kolmogorov-Smirnov	D	0.12973	Pr > D	<0.0100	
Cramer-von Mises	W-Sq	2432.845	Pr > W-Sq	<0.0050	
Anderson-Darling	A-Sq	15931.22	Pr > A-Sq	<0.0050	

Quantiles (Definition 5)			
Level	Quantile		
100% Max	1078		
99%	445		
95%	385		
90%	385		
75% Q3	315		
50% Median	295		
25% Q1	225		
10%	205		
5%	185		
1%	175		
0% Min	100		

Extreme Observations				
Lowest		Highest		
Value	Obs	Value	Obs	
100	171820	1078	673628	
100	171819	1078	673629	
100	171818	1078	673630	
100	171817	1078	673631	
100	171816	1078	673632	

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The SAS System

The UNIVARIATE Procedure Variable: tisize_ratio (tisize_ratio)

Moments					
N	729071				
Mean	69.5503799	Sum Observations	50707165		
Std Deviation	12.9522439	Variance	167.760623		
Skewness	0.38727277	Kurtosis	-0.1428145		
Uncorrected SS	3649011825	Corrected SS	122309237		
Coeff Variation	18.6228227	Std Error Mean	0.01516911		

Basic Statistical Measures					
Location Variability					
Mean 69.55038 Std		Std Deviation	12.95224		
Median	65.00000	Variance	167.76062		
Mode	80.00000	Range	70.00000		
		Interquartile Range	20.00000		

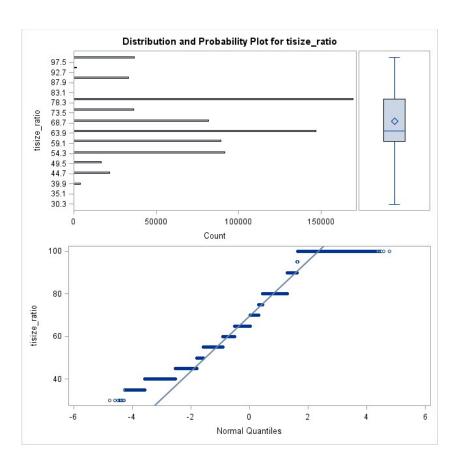
Tests for Location: Mu0=0				
Test		Statistic	p Va	lue
Student's t	t	4585.001	Pr > t	<.0001
Sign	М	364535.5	Pr >= M	<.0001
Signed Rank	s	1.329E11	Pr >= S	<.0001

Tests for Normality				
Test	Statistic p Value			lue
Kolmogorov-Smirnov	D 0.145372		Pr > D	<0.0100
Cramer-von Mises	W-Sq	2167.778	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	12820.22	Pr > A-Sq	<0.0050

Quantiles (Definition 5)		
Level	Quantile	
100% Max	100	
99%	100	
95%	100	
90%	80	
75% Q3	80	
50% Median	65	
25% Q1	60	
10%	55	
5%	50	
1%	45	
0% Min	30	

Extreme Observations				
Lo	west	Hig	hest	
Value	Obs	Value	Obs	
30	511021	100	725742	
30	511020	100	725743	
30	511019	100	725744	
30	511018	100	725745	
30	511017	100	725746	

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The SAS System

The UNIVARIATE Procedure Variable: td_mean1

Moments				
N	740556	Sum Weights	740556	
Mean	10.7119143	Sum Observations	7932772.4	
Std Deviation	7.36448545	Variance	54.2356459	
Skewness	5.89946015	Kurtosis	59.6207873	
Uncorrected SS	125139657	Corrected SS	40164478.7	
Coeff Variation	68.7504142	Std Error Mean	0.00855783	

Basic Statistical Measures					
Location Variability					
Mean	10.71191	Std Deviation	7.36449		
Median	9.36667	Variance	54.23565		
Mode	9.40000	Range	114.10000		
		Interquartile Range	6.75835		

Tests for Location: Mu0=0				
Test		Statistic	p Va	lue
Student's t	t 1251.71		Pr > t	<.0001
Sign	М	370100.5	Pr >= M	<.0001
Signed Rank	s	1.37E11	Pr >= S	<.0001

Tests for Normality				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.124065	Pr > D	<0.0100
Cramer-von Mises	W-Sq	5461.249	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	35983.82	Pr > A-Sq	<0.0050

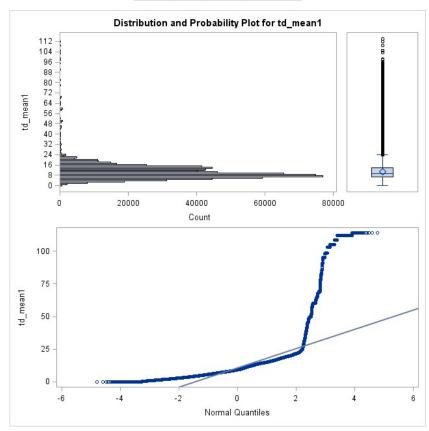
Quantiles (D	efinition 5)
Level	Quantile
100% Max	114.00000
99%	36.46800
95%	19.17250
90%	16.60500
75% Q3	13.55835
50% Median	9.36667
25% Q1	6.80000
10%	4.83333
5%	3.78889
1%	2.20938
0% Min	-0.10000

Ex	Extreme Observations				
Lo	west	Hig	hest		
Value	Obs	Value	Obs		
-0.1	491433	114	716145		
0.0	710139	114	716147		
0.0	695122	114	716163		
0.0	695098	114	716165		
0.0	695082	114	716167		

Missing Values		
		Percent Of
Missing		

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Value	Count	All Obs	Missing Obs
	22	0.00	100.00



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The SAS System

The SURVEYSELECT Procedure

Selection Method | Simple Random Sampling

Input Data Set	TIRES1
Random Number Seed	190708000
Sampling Rate	0.8
Sample Size	549804
Selection Probability	0.800001
Sampling Weight	0
Output Data Set	SAMPLE

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The SAS System

The REG Procedure Model: MODEL1 Dependent Variable: td_mean1

Number of Observations Read	549804
Number of Observations Used	100521
Number of Observations with Missing Values	449283

Analysis of Variance									
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F				
Model	8	125625	15703	3203.49	<.0001				
Error	100512	492699	4.90189						
Corrected Total	100520	618325							

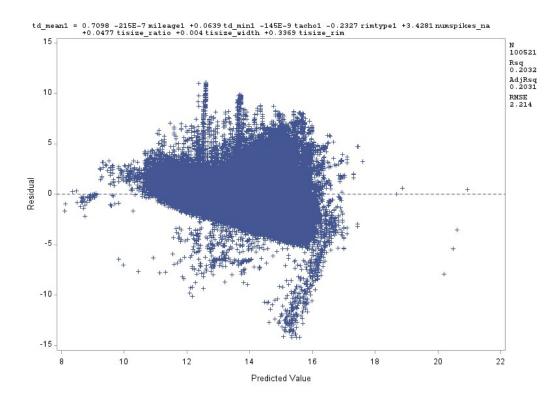
Root MSE	2.21402	R-Square	0.2032
Dependent Mean	14.13515	Adj R-Sq	0.2031
Coeff Var	15.66324		

Parameter Estimates										
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Tolerance	Variance Inflation		
Intercept	Intercept	1	0.70984	0.23085	3.07	0.0021		С		
mileage1		1	-0.00002145	1.641275E-7	-130.70	<.0001	0.91009	1.09879		
td_min1		1	0.06388	0.00351	18.21	<.0001	0.97041	1.03049		
tacho1		1	-1.4465E-7	2.255545E-8	-6.41	<.0001	0.95268	1.04967		
rimtype1		1	-0.23269	0.00732	-31.79	<.0001	0.94410	1.05921		
numspikes_na	numspikes_na	1	3.42810	0.20692	16.57	<.0001	0.96318	1.03822		
tisize_ratio	tisize_ratio	1	0.04774	0.00084440	56.54	<.0001	0.57653	1.73451		
tisize_width	tisize_width	1	0.00403	0.00021083	19.12	<.0001	0.47417	2.10894		
tisize_rim	tisize_rim	1	0.33685	0.00589	57.20	<.0001	0.73438	1.36170		

	Collinearity Diagnostics											
		Condition		Proportion of Variation								
Number	Eigenvalue	Index	Intercept	mileage1	td_min1	tacho1	rimtype1	numspikes_na	tisize_ratio	tisize_width	tisize_rim	
1	7.39437	1.00000	0.00001645	0.00470	0.00443	0.00504	0.00051247	0.00002049	0.00021708	0.00017717	0.00005175	
2	0.68257	3.29136	0.00000213	0.03101	0.89882	0.01583	0.00017470	0.00000314	0.00001762	0.00005252	0.00000940	
3	0.46024	4.00827	0.00005787	0.16636	0.04291	0.61274	0.00282	0.00007235	0.00086441	0.00057720	0.00014825	
4	0.39748	4.31315	0.00000416	0.71924	0.01471	0.34513	0.00056666	0.00000513	0.00015320	0.00000380	0.00000856	
5	0.03383	14.78327	0.00000827	0.02403	0.00368	0.00110	0.00027191	0.00000783	0.19359	0.13577	0.00060135	
6	0.02454	17.35960	0.00101	0.04340	0.02167	0.00055363	0.97289	0.00124	0.01936	0.01860	0.00538	
7	0.00419	42.00781	0.03172	0.00103	0.00508	0.00219	0.00581	0.05680	0.76816	0.75354	0.04723	
8	0.00221	57.78109	0.03617	0.00949	0.00006402	0.01700	0.01625	0.09144	0.00105	0.08624	0.92744	
9	0.00056440	114.46081	0.93101	0.00074148	0.00864	0.00040571	0.00069720	0.85042	0.01658	0.00504	0.01913	

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The REG Procedure



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The SAS System

The SURVEYSELECT Procedure

Selection Method | Simple Random Sampling

Input Data Set	TIRES1
Random Number Seed	598769001
Sampling Rate	0.8
Sample Size	443444
Selection Probability	0.800001
Sampling Weight	0
Output Data Set	SAMPLE

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The REG Procedure Model: MODEL1 Dependent Variable: td_mean1

Number of Observations Read	443444
Number of Observations Used	97338
Number of Observations with Missing Values	346106

Analysis of Variance										
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F					
Model	8	124401	15550	3180.27	<.0001					
Error	97329	475898	4.88958							
Corrected Total	97337	600299								

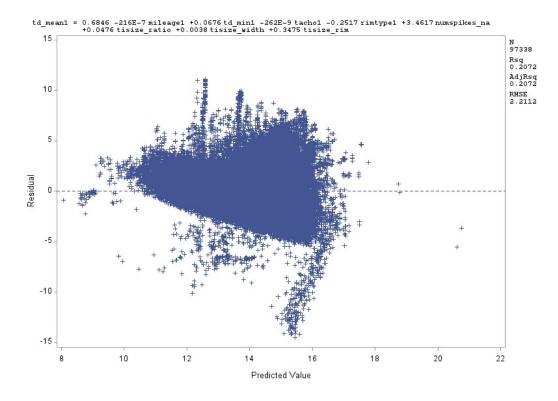
Root MSE	2.21124	R-Square	0.2072
Dependent Mean	14.14523	Adj R-Sq	0.2072
Coeff Var	15.63240		

	Parameter Estimates										
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Tolerance	Variance Inflation			
Intercept	Intercept	1	0.68460	0.22825	3.00	0.0027		0			
mileage1		1	-0.00002160	1.675031E-7	-128.93	<.0001	0.90536	1.10453			
td_min1		1	0.06759	0.00355	19.03	<.0001	0.96818	1.03287			
tacho1		1	-2.61634E-7	3.150461E-8	-8.30	<.0001	0.93467	1.06989			
rimtype1		1	-0.25172	0.00742	-33.92	<.0001	0.94080	1.06292			
numspikes_na	numspikes_na	1	3.46173	0.20352	17.01	<.0001	0.96099	1.04059			
tisize_ratio	tisize_ratio	1	0.04755	0.00085312	55.74	<.0001	0.58008	1.72389			
tisize_width	tisize_width	1	0.00377	0.00021302	17.72	<.0001	0.47365	2.11124			
tisize_rim	tisize_rim	1	0.34748	0.00599	58.05	<.0001	0.72120	1.38658			

	Collinearity Diagnostics													
		Condition	Proportion of Variation											
Number	Eigenvalue		Intercept	mileage1	td_min1	tacho1	rimtype1	numspikes_na	tisize_ratio	tisize_width	tisize_rin			
1	7.49475	1.00000	0.00001689	0.00455	0.00429	0.00440	0.00050004	0.00002125	0.00021363	0.00017406	0.00005032			
2	0.68234	3.31419	0.00000299	0.03158	0.90801	0.00483	0.00021752	0.00000439	0.00002485	0.00006542	0.00001177			
3	0.42698	4.18965	0.00005754	0.71967	0.04626	0.05617	0.00337	0.00007248	0.00101	0.00042238	0.00013205			
4	0.33027	4.76368	0.00001850	0.16667	0.00089286	0.90075	0.00048286	0.00002337	0.00017687	0.00028888	0.00004308			
5	0.03402	14.84197	0.00000911	0.02403	0.00359	0.00031919	0.00027110	0.00000866	0.19423	0.13638	0.00062216			
6	0.02457	17.46397	0.00107	0.04402	0.02287	0.00157	0.97149	0.00131	0.02007	0.01909	0.00536			
7	0.00424	42.03821	0.03333	0.00073879	0.00504	0.00527	0.00677	0.06178	0.76454	0.74268	0.04369			
8	0.00222	58.08203	0.03539	0.00794	0.00003487	0.02617	0.01632	0.09658	0.00179	0.09568	0.9288			
9	0.00060026	111.74024	0.93011	0.00080236	0.00901	0.00052253	0.00056577	0.84020	0.01795	0.00521	0.02127			

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The REG Procedure



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The CORR Procedure

11 Variables: Year Month Day mileage1 td_min1 tacho1 rimtype1 numspikes_na tisize_ratio tisize_width tisize_rim

					Covai	riance Mat	rix, DF = 12169	7				
		Year	Month	Day	mileage1	td_min1	tacho1	rimtype1	numspikes_na	tisize_ratio	tisize_width	tisize_rim
Year		30	-0	-1	41142	1	15702	-3	-0	1	-33	-0
Month		-0	12	-0	-819	1	-9161	-0	0	-1	3	-0
Day		-1	-0	74	-8902	-0	-45916	0	-0	2	5	-0
mileage1		41142	-819	-8902	1967337520	-3397	1802663321	-6652	53	-56583	329666	12582
td_min1		1	1	-0	-3397	4	11096	-0	-0	1	-8	-0
tacho1		15702	-9161	-45916	1802663321	11096	54327273674	-6616	162	-15470	109037	61531
rimtype1		-3	-0	0	-6652	-0	-6616	1	0	0	2	-0
numspikes_na	numspikes_na	-0	0	-0	53	-0	162	0	0	0	0	0
tisize_ratio	tisize_ratio	1	-1	2	-56583	1	-15470	0	0	119	-327	-2
tisize_width	tisize_width	-33	3	5	329666	-8	109037	2	0	-327	2337	29
tisize_rim	tisize_rim	-0	-0	-0	12582	-0	61531	-0	0	-2	29	2

	Simple Statistics												
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label						
Year	121698	2002	5.50863	243597081	1900	2019							
Month	121698	6.45361	3.44911	785391	1.00000	12.00000							
Day	121698	16.00499	8.58919	1947775	1.00000	31.00000							
mileage1	121698	47671	44355	5801493644	0	201597							
td_min1	121698	1.34687	2.03495	163911	0	22.00000							
tacho1	121698	296099	233082	3.60346E10	0	907389							
rimtype1	121698	5.47922	0.98344	666810	1.00000	6.00000							
numspikes_na	121698	0.99870	0.03601	121540	0	1.00000	numspikes_na						
tisize_ratio	121698	73.61616	10.90994	8958940	40.00000	100.00000	tisize_ratio						
tisize_width	121698	327.56539	48.34718	39864053	171.50000	1078	tisize_width						
tisize_rim	121698	22.05896	1.39679	2684532	12.00000	25.00000	tisize_rim						

	Pearson Correlation Coefficients, N = 121698												
	Year	Month	Day	mileage1	td_min1	tacho1	rimtype1	numspikes_na	tisize_ratio	tisize_width	tisize_rim		
Year	1.00000	-0.02559	-0.02604	0.16838	0.12901	0.01223	-0.54090	-0.05700	0.01742	-0.12337	-0.06187		
Month	-0.02559	1.00000	-0.00887	-0.00535	0.08108	-0.01140	-0.01718	0.02572	-0.02214	0.01954	-0.00898		
Day	-0.02604	-0.00887	1.00000	-0.02337	-0.01374	-0.02294	0.02432	-0.00293	0.01854	0.01187	-0.01650		
mileage1	0.16838	-0.00535	-0.02337	1.00000	-0.03764	0.17437	-0.15249	0.03324	-0.11693	0.15373	0.20309		
td_min1	0.12901	0.08108	-0.01374	-0.03764	1.00000	0.02339	-0.13733	-0.07937	0.02635	-0.08238	-0.03587		
tacho1	0.01223	-0.01140	-0.02294	0.17437	0.02339	1.00000	-0.02886	0.01933	-0.00608	0.00968	0.18900		
rimtype1	-0.54090	-0.01718	0.02432	-0.15249	-0.13733	-0.02886	1.00000	0.08115	0.03243	0.04968	-0.01299		
numspikes_na numspikes_na	-0.05700	0.02572	-0.00293	0.03324	-0.07937	0.01933	0.08115	1.00000	0.03851	0.07673	0.15109		
tisize_ratio tisize_ratio	0.01742	-0.02214	0.01854	-0.11693	0.02635	-0.00608	0.03243	0.03851	1.00000	-0.62057	-0.12378		
tisize_width tisize_width	-0.12337	0.01954	0.01187	0.15373	-0.08238	0.00968	0.04968	0.07673	-0.62057	1.00000	0.43545		
tisize_rim tisize_rim	-0.06187	-0.00898	-0.01650	0.20309	-0.03587	0.18900	-0.01299	0.15109	-0.12378	0.43545	1.00000		

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The SAS System

The REG Procedure Model: MODEL1 Dependent Variable: td_mean1

Number of Observations Read	443444
Number of Observations Used	97338
Number of Observations with Missing Values	346106

Analysis of Variance										
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F					
Model	7	124064	17723	3622.21	<.0001					
Error	97330	476235	4.89299							
Corrected Total	97337	600299								

Root MSE	2.21201	R-Square	0.2067
Dependent Mean	14.14523	Adj R-Sq	0.2066
Coeff Var	15.63786		

	Parameter Estimates												
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Tolerance	Variance Inflation					
Intercept	Intercept	1	0.74599	0.22821	3.27	0.0011		0					
mileage1		1	-0.00002180	1.657413E-7	-131.54	<.0001	0.92536	1.08066					
td_min1		1	0.06671	0.00355	18.79	<.0001	0.96906	1.03193					
rimtype1		1	-0.25221	0.00742	-33.98	<.0001	0.94086	1.06286					
numspikes_na	numspikes_na	1	3.46787	0.20359	17.03	<.0001	0.96100	1.04058					
tisize_ratio	tisize_ratio	1	0.04780	0.00085290	56.04	<.0001	0.58079	1.72178					
tisize_width	tisize_width	1	0.00394	0.00021218	18.56	<.0001	0.47774	2.09318					
tisize_rim	tisize_rim	1	0.33827	0.00588	57.49	<.0001	0.74679	1.33907					

	Collinearity Diagnostics												
		Condition		Proportion of Variation									
Number	Eigenvalue	Index	Intercept	mileage1	td_min1	rimtype1	numspikes_na	tisize_ratio	tisize_width	tisize_rim			
1	6.83563	1.00000	0.00002042	0.00556	0.00526	0.00060465	0.00002567	0.00025843	0.00021215	0.00006286			
2	0.67885	3.17323	0.00000509	0.03294	0.91176	0.00031994	0.00000722	0.00004738	0.00009715	0.00001899			
3	0.41973	4.03558	0.00003930	0.87385	0.04173	0.00259	0.00004940	0.00075001	0.00024888	0.00009131			
4	0.03403	14.17220	0.00000878	0.02341	0.00371	0.00035148	0.00000830	0.19417	0.13776	0.00063415			
5	0.02461	16.66576	0.00105	0.04824	0.02330	0.97242	0.00129	0.01939	0.01906	0.00560			
6	0.00426	40.03654	0.03196	0.00171	0.00533	0.00627	0.05920	0.76650	0.75432	0.05033			
7	0.00228	54.74757	0.03716	0.01327	0.00000696	0.01690	0.09799	0.00061553	0.08264	0.92287			
8	0.00060057	106.68619	0.92975	0.00102	0.00890	0.00055147	0.84143	0.01827	0.00567	0.02039			

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The REG Procedure

