Directory	
Libref	QUIZ1
Engine	V9
Physical Name	/home/u64004207/EPI5143 - Large Databases
Filename	/home/u64004207/EPI5143 - Large Databases
Inode Number	16981324245
Access Permission	rwxr-xr-x
Owner Name	u64004207
File Size	0KB
File Size (bytes)	112

#	Name	Member Type	File Size	Last Modified
1	QUIZ1_DATA	DATA	256KB	02/04/2025 02:24:08

The CONTENTS Procedure

Data Set Name	QUIZ1.QUIZ1_DATA	**Observations**	900
Member Type	DATA	**Variables**	8
Engine	V9	**Indexes**	0
Created	01/31/2024 15:00:27	**Observation Length**	64
Last Modified	01/31/2024 15:00:27	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2043
Obs in First Data Page	900
Number of Data Set Repairs	0
Filename	/home/u64004207/EPI5143 - Large Databases/quiz1_data.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	16981128784
Access Permission	rw-r--r--
Owner Name	u64004207
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Format
1	X1	Num	8	
2	X2	Num	8	
3	X3	Num	8	
4	X4	Num	8	

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Format
5	X5	Num	8	
7	consult_dt	Num	8	DATE9.
6	diabetes	Num	8	
8	surgery_dt	Num	8	DATE9.

The FREQ Procedure

diabetes	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	803	89.22	803	89.22
1	97	10.78	900	100.00

The UNIVARIATE Procedure
Variable: X1

Moments			
N	900	Sum Weights	900
Mean	0.85558372	Sum Observations	770.025345
Std Deviation	0.99335681	Variance	0.98675775
Skewness	0.002624	Kurtosis	-0.3035474
Uncorrected SS	1545.91637	Corrected SS	887.095221
Coeff Variation	116.102819	Std Error Mean	0.03311189

Basic Statistical Measures			
Location		Variability	
Mean	0.855584	Std Deviation	0.99336
Median	0.838847	Variance	0.98676
Mode	.	Range	5.81540
		Interquartile Range	1.36960

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	25.83917	Pr > |t|	<.0001
Sign	M	267	Pr >= |M|	<.0001
Signed Rank	S	156810	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	3.687628
99%	3.015398
95%	2.547518
90%	2.187786
75% Q3	1.547265
50% Median	0.838847
25% Q1	0.177663
10%	-0.428850
5%	-0.714667

Quantiles (Definition 5)	
Level	Quantile
1%	-1.436115
0% Min	-2.127768

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-2.12777	847	3.13312	518
-1.82551	12	3.15958	234
-1.77468	551	3.16018	362
-1.59509	713	3.68449	854
-1.59401	251	3.68763	543

The UNIVARIATE Procedure
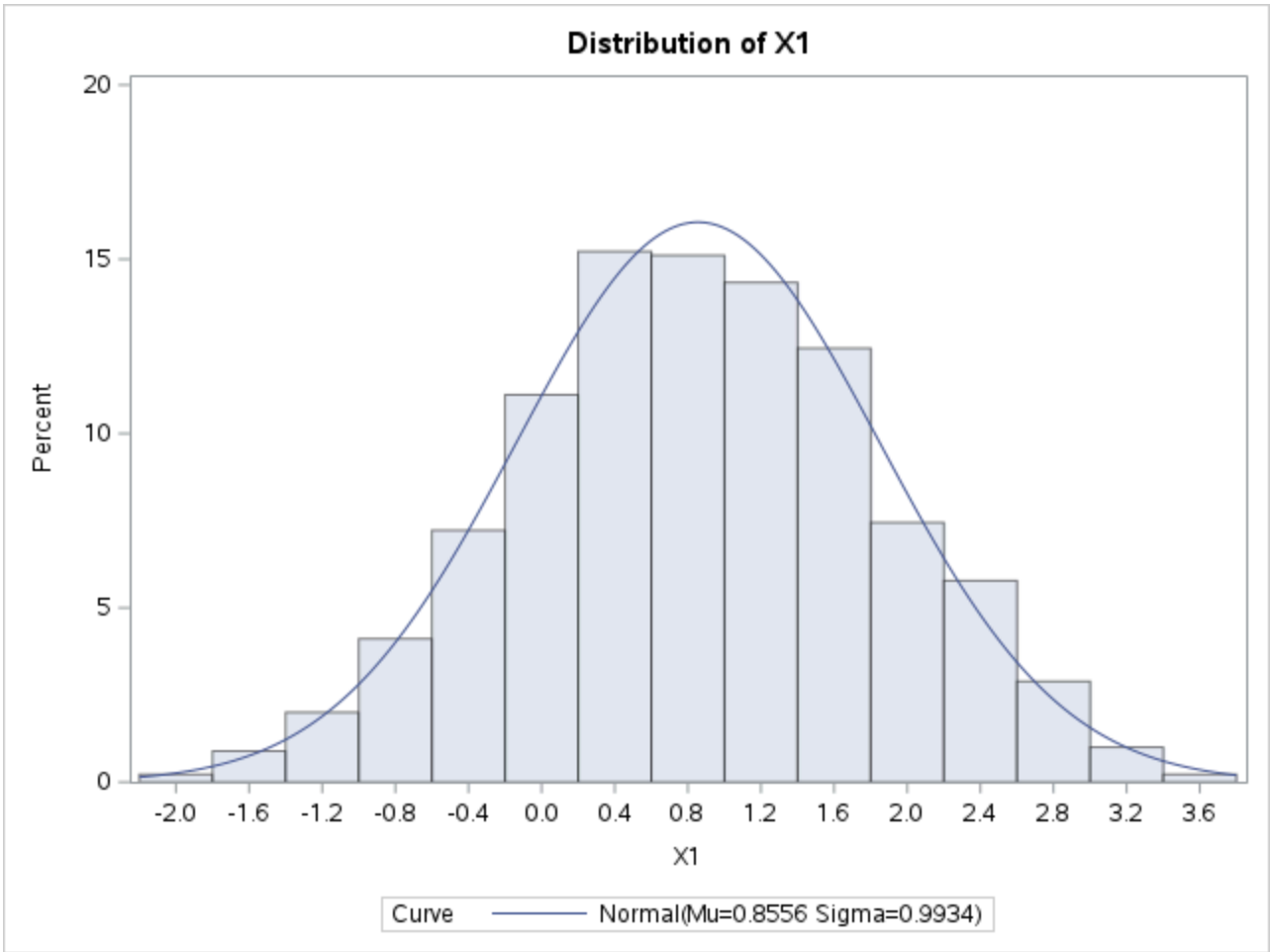
The UNIVARIATE Procedure
Fitted Normal Distribution for X1

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.855584
Std Dev	Sigma	0.993357

Results: quiz1_data.sas7bdat.sas

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	D	0.01894293	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04546663	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.34853838	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	-1.43612	-1.45531
5.0	-0.71467	-0.77834
10.0	-0.42885	-0.41745
25.0	0.17766	0.18557
50.0	0.83885	0.85558
75.0	1.54727	1.52559
90.0	2.18779	2.12862
95.0	2.54752	2.48951
99.0	3.01540	3.16648

The MEANS Procedure

Analysis Variable : X1
Mean
0.8555837

The UNIVARIATE Procedure
Variable: mean_V1

Moments			
N	900	**Sum Weights**	900
Mean	12.3058822	**Sum Observations**	11075.294
Std Deviation	0.59283406	**Variance**	0.35145222
Skewness	0.04521235	**Kurtosis**	-0.138687
Uncorrected SS	136607.22	**Corrected SS**	315.955543
Coeff Variation	4.8174852	**Std Error Mean**	0.01976114

Basic Statistical Measures			
Location		**Variability**	
Mean	12.30588	**Std Deviation**	0.59283
Median	12.30553	**Variance**	0.35145
Mode	.	**Range**	3.63810
		Interquartile Range	0.84021

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	t	622.7315	Pr > |t|	<.0001
Sign	M	450	Pr >= |M|	<.0001

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	202725	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14.2365
99%	13.6149
95%	13.3513
90%	13.0634
75% Q3	12.7178
50% Median	12.3055
25% Q1	11.8776
10%	11.5641
5%	11.3250
1%	10.9953
0% Min	10.5984

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
10.5984	271	13.7229	803
10.6326	251	13.8544	111
10.6742	336	13.9280	157
10.7263	159	14.2035	321
10.7595	108	14.2365	250

The UNIVARIATE Procedure
Variable: mean_V2

Moments			
N	900	Sum Weights	900
Mean	12.3058822	Sum Observations	11075.294
Std Deviation	0.59283406	Variance	0.35145222
Skewness	0.04521235	Kurtosis	-0.138687
Uncorrected SS	136607.22	Corrected SS	315.955543
Coeff Variation	4.8174852	Std Error Mean	0.01976114

Basic Statistical Measures			
Location		Variability	
Mean	12.30588	Std Deviation	0.59283
Median	12.30553	Variance	0.35145
Mode	.	Range	3.63810
		Interquartile Range	0.84021

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	622.7315	Pr > |t|	<.0001
Sign	M	450	Pr >= |M|	<.0001

Tests for Location: Mu0=0				
Test		**Statistic**	**p Value**	
Signed Rank	S	202725	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	14.2365
99%	13.6149
95%	13.3513
90%	13.0634
75% Q3	12.7178
50% Median	12.3055
25% Q1	11.8776
10%	11.5641
5%	11.3250
1%	10.9953
0% Min	10.5984

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
10.5984	271	13.7229	803
10.6326	251	13.8544	111
10.6742	336	13.9280	157
10.7263	159	14.2035	321
10.7595	108	14.2365	250

The UNIVARIATE Procedure
Variable: wait_time

Moments			
N	900	**Sum Weights**	900
Mean	48.9555556	**Sum Observations**	44060
Std Deviation	28.7475341	**Variance**	826.420714
Skewness	0.01031414	**Kurtosis**	-1.1831833
Uncorrected SS	2899934	**Corrected SS**	742952.222
Coeff Variation	58.7216992	**Std Error Mean**	0.95825114

Basic Statistical Measures			
Location		**Variability**	
Mean	48.95556	**Std Deviation**	28.74753
Median	49.00000	**Variance**	826.42071
Mode	16.00000	**Range**	99.00000
		Interquartile Range	49.00000

Note: The mode displayed is the smallest of 2 modes with a count of 17.

Tests for Location: Mu0=0				
Test		**Statistic**	**p Value**	
Student's t	t	51.08844	Pr > |t|	<.0001
Sign	M	444.5	Pr >= |M|	<.0001

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Signed Rank	S	197802.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	99.0
99%	98.5
95%	94.0
90%	89.0
75% Q3	74.0
50% Median	49.0
25% Q1	25.0
10%	9.0
5%	4.0
1%	0.0
0% Min	0.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	733	99	214
0	721	99	284
0	720	99	350
0	611	99	535
0	593	99	845

The FREQ Procedure

Frequency	Table of X1_high by diabetes			
		diabetes		
	X1_high	0	1	Total
	0	410	50	460
	1	393	47	440
	Total	803	97	900

Statistics for Table of X1_high by diabetes

Statistic	DF	Value	Prob
Chi-Square	1	0.0082	0.9277
Likelihood Ratio Chi-Square	1	0.0082	0.9277
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0082	0.9277
Phi Coefficient		-0.0030	
Contingency Coefficient		0.0030	
Cramer's V		-0.0030	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	410

Fisher's Exact Test	
Left-sided Pr <= F	0.5069
Right-sided Pr >= F	0.5783
Table Probability (P)	0.0852
Two-sided Pr <= P	1.0000

Sample Size = 900