

MROS FEB12 FORE-FRC FRACTURE RISK PROBABILITY ANALYSIS DATASET
THE DISTRIBUTIONS OF THE CONTINUOUS VARIABLES

The UNIVARIATE Procedure

Variable: FCHIPW (FORE FRC 10YR PROB OF HIP FX, W BMD)

Moments			
N	5993	Sum Weights	5993
Mean	4.44647088	Sum Observations	26647.7
Std Deviation	5.5405868	Variance	30.6981021
Skewness	3.23476281	Kurtosis	15.9056992
Uncorrected SS	302431.25	Corrected SS	183943.028
Coeff Variation	124.606389	Std Error Mean	0.07157043

Basic Statistical Measures			
Location		Variability	
Mean	4.446471	Std Deviation	5.54059
Median	2.500000	Variance	30.69810
Mode	0.500000	Range	51.00000
		Interquartile Range	4.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	62.12721	Pr > t	<.0001
Sign	M	2991.5	Pr >= M	<.0001
Signed Rank	S	8950568	Pr >= S	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	51.0
99%	25.7
95%	14.7
90%	10.5
75% Q3	5.6
50% Median	2.5
25% Q1	1.1
10%	0.5

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Quantiles (Definition 5)	
Quantile	Estimate
5%	0.3
1%	0.1
0% Min	0.0

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0	SD8486	5462	51	PO6588	4061
0	PO6848	4317	51	PO6873	4342
0	PI5117	3586	51	PO7047	4516
0	PI4963	3432	51	PO7063	4530
0	PA3971	2939	51	SD8577	5553

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
A	1	0.02	100.00

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The UNIVARIATE Procedure

Variable: FCHIPWO (FORE FRC 10YR PROB OF HIP FX, WO BMD)

Moments			
N	5994	Sum Weights	5994
Mean	4.14182516	Sum Observations	24826.1
Std Deviation	4.39210121	Variance	19.2905531
Skewness	3.17867346	Kurtosis	17.2512841
Uncorrected SS	218433.65	Corrected SS	115608.284
Coeff Variation	106.042651	Std Error Mean	0.05673015

Basic Statistical Measures			
Location		Variability	
Mean	4.141825	Std Deviation	4.39210
Median	2.600000	Variance	19.29055
Mode	0.900000	Range	50.70000
		Interquartile Range	3.60000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	73.00923	Pr > t	<.0001
Sign	M	2997	Pr >= M	<.0001
Signed Rank	S	8983508	Pr >= S	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	51.0
99%	21.0
95%	12.0
90%	9.6
75% Q3	5.1
50% Median	2.6
25% Q1	1.5
10%	1.0

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The UNIVARIATE Procedure

Variable: FCHIPWO (FORE FRC 10YR PROB OF HIP FX, WO BMD)

Quantiles (Definition 5)	
Quantile	Estimate
5%	0.8
1%	0.5
0% Min	0.3

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.3	PI4951	3420	44.5	PI4524	2993
0.3	MN2043	1511	46.7	MN2034	1502
0.3	MN2022	1490	49.7	PI4937	3406
0.3	BI0669	661	51.0	MN1972	1440
0.3	BI0375	371	51.0	PA3561	2532

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The UNIVARIATE Procedure

Variable: FCOSTW (FORE FRC 10YR PROB OSTEOPOROTIC FX, W BMD)

Moments			
N	5993	Sum Weights	5993
Mean	8.2186551	Sum Observations	49254.4
Std Deviation	6.80102279	Variance	46.2539109
Skewness	2.4790867	Kurtosis	8.83197575
Uncorrected SS	681958.36	Corrected SS	277153.434
Coeff Variation	82.7510427	Std Error Mean	0.08785209

Basic Statistical Measures			
Location		Variability	
Mean	8.218655	Std Deviation	6.80102
Median	6.100000	Variance	46.25391
Mode	3.700000	Range	50.40000
		Interquartile Range	6.20000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	93.55105	Pr > t	<.0001
Sign	M	2996.5	Pr >= M	<.0001
Signed Rank	S	8980511	Pr >= S	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	51.0
99%	34.5
95%	21.1
90%	16.6
75% Q3	10.1
50% Median	6.1
25% Q1	3.9
10%	2.6

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THE DISTRIBUTIONS OF THE CONTINUOUS VARIABLES***

The UNIVARIATE Procedure

Variable: FCOSTW (FORE FRC 10YR PROB OSTEOPOROTIC FX, W BMD)

Quantiles (Definition 5)	
Quantile	Estimate
5%	2.1
1%	1.3
0% Min	0.6

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.6	SD8486	5462	51	PO7047	4516
0.7	PI5117	3586	51	PO7363	4828
0.7	PA3971	2939	51	SD8114	5095
0.8	PO7201	4666	51	SD8457	5433
0.8	PO6848	4317	51	SD8577	5553

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
A	1	0.02	100.00

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The UNIVARIATE Procedure

Variable: FCOSTWO (FORE FRC 10YR PROB OSTEOPOROTIC FX WOBMD)

Moments			
N	5994	Sum Weights	5994
Mean	8.43590257	Sum Observations	50564.8
Std Deviation	6.35161915	Variance	40.3430659
Skewness	2.57446273	Kurtosis	9.43384557
Uncorrected SS	668335.72	Corrected SS	241775.994
Coeff Variation	75.292704	Std Error Mean	0.08204008

Basic Statistical Measures			
Location		Variability	
Mean	8.435903	Std Deviation	6.35162
Median	6.300000	Variance	40.34307
Mode	3.700000	Range	49.50000
		Interquartile Range	5.80000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	102.8266	Pr > t	<.0001
Sign	M	2997	Pr >= M	<.0001
Signed Rank	S	8983508	Pr >= S	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	51.0
99%	33.6
95%	20.6
90%	16.6
75% Q3	10.2
50% Median	6.3
25% Q1	4.4
10%	3.6

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THE DISTRIBUTIONS OF THE CONTINUOUS VARIABLES***

The UNIVARIATE Procedure

Variable: FCOSTWO (FORE FRC 10YR PROB OSTEOPOROTIC FX WOBMD)

Quantiles (Definition 5)	
Quantile	Estimate
5%	3.2
1%	2.1
0% Min	1.5

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.5	MN2043	1511	51	PI4680	3149
1.6	PI4951	3420	51	PI4937	3406
1.6	BI0669	661	51	PI5427	3896
1.6	BI0375	371	51	PO7356	4821
1.7	MN2022	1490	51	PO7363	4828

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THE CATEGORICAL VARIABLES

The FREQ Procedure

MISSING DATA FOR 2ND DEG OP				
FC2NDMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5759	96.08	5759	96.08
1:Yes	235	3.92	5994	100.00

MISSING DATA FOR ALCOHOL				
FCALCHMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5986	99.87	5986	99.87
1:Yes	8	0.13	5994	100.00

MISSING DATA FOR PARENTAL FX				
FCFMFXMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	4557	76.03	4557	76.03
1:Yes	1437	23.97	5994	100.00

MISSING ANY RISK FACTOR DATA (NOT INC BMI, BMD)				
FCMISS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	4371	72.92	4371	72.92
1:Yes	1623	27.08	5994	100.00

MISSING DATA FOR FEMORAL NECK BMD				
FCNBMDMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5993	99.98	5993	99.98
1:Yes	1	0.02	5994	100.00

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THE CATEGORICAL VARIABLES

The FREQ Procedure

MISSING DATA FOR PRIOR FX				
FCPRFXMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5993	99.98	5993	99.98
1:Yes	1	0.02	5994	100.00

MISSING DATA FOR SMOKING				
FCSMOKMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5993	99.98	5993	99.98
1:Yes	1	0.02	5994	100.00

MISSING DATA FOR STEROIDS				
FCSTERMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0:No	5755	96.01	5755	96.01
1:Yes	239	3.99	5994	100.00