

**The UNIVARIATE Procedure**  
**Variable: logreturn**

Moments			
<b>N</b>	3363	<b>Sum Weights</b>	3363
<b>Mean</b>	-0.0001504	<b>Sum Observations</b>	-0.5056391
<b>Std Deviation</b>	0.01557395	<b>Variance</b>	0.00024255
<b>Skewness</b>	-0.6220446	<b>Kurtosis</b>	14.274787
<b>Uncorrected SS</b>	0.81552164	<b>Corrected SS</b>	0.81544561
<b>Coeff Variation</b>	-10358.214	<b>Std Error Mean</b>	0.00026856

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	-0.00015	<b>Std Deviation</b>	0.01557
<b>Median</b>	0.00002	<b>Variance</b>	0.0002425
<b>Mode</b>	0.00000	<b>Range</b>	0.28712
		<b>Interquartile Range</b>	0.01177

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	-0.55986	<b>Pr &gt;  t </b>	0.5756
<b>Sign</b>	<b>M</b>	15	<b>Pr &gt;=  M </b>	0.6156
<b>Signed Rank</b>	<b>S</b>	41879.5	<b>Pr &gt;=  S </b>	0.4517

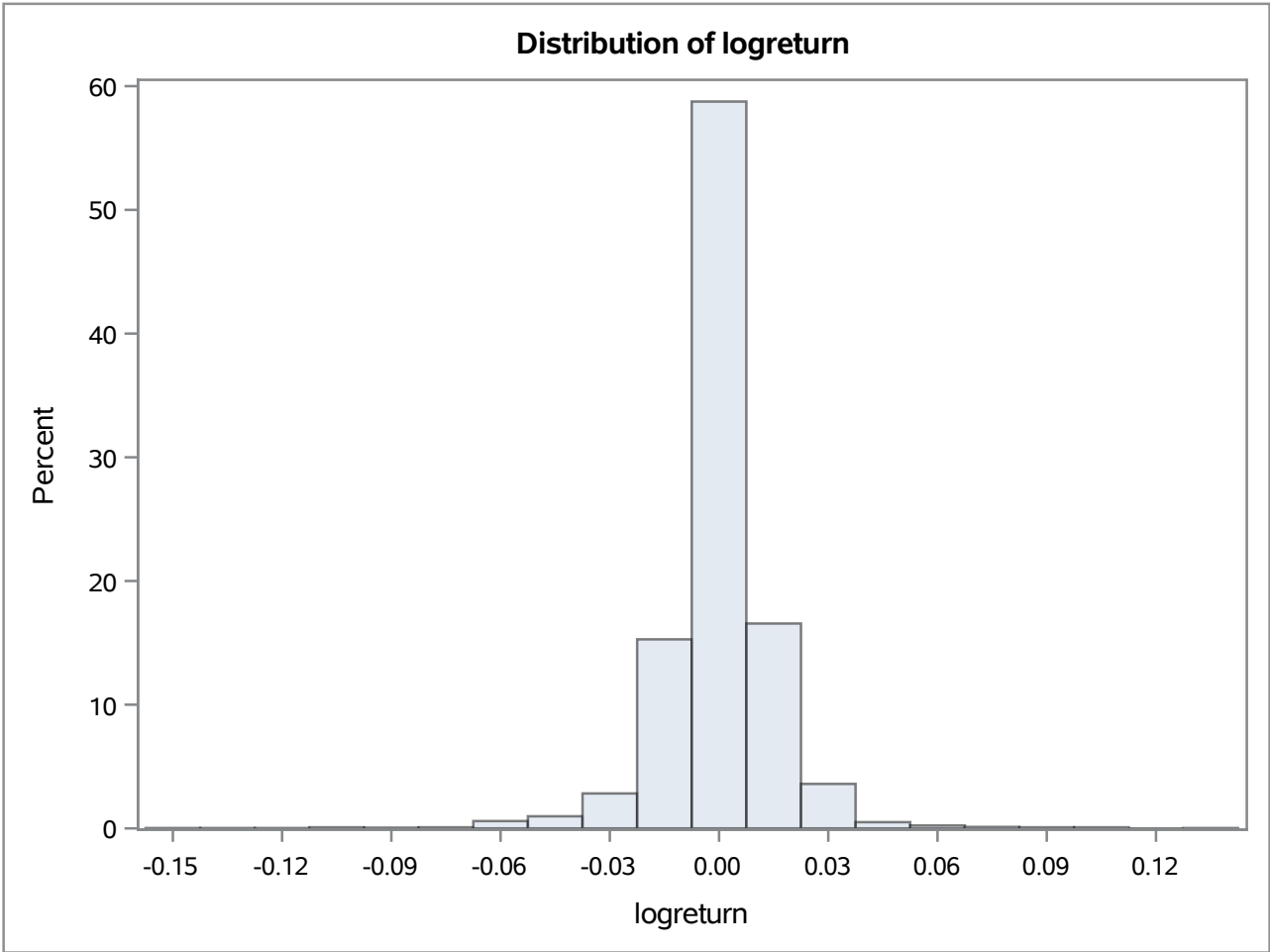
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	1.34552E-01
<b>99%</b>	3.90101E-02
<b>95%</b>	2.09734E-02
<b>90%</b>	1.44925E-02
<b>75% Q3</b>	6.08513E-03
<b>50% Median</b>	1.62688E-05
<b>25% Q1</b>	-5.68935E-03
<b>10%</b>	-1.40416E-02
<b>5%</b>	-2.16903E-02
<b>1%</b>	-5.04059E-02
<b>0% Min</b>	-1.52569E-01

**The UNIVARIATE Procedure**  
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Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.152569	451	0.0905906	597
-0.142017	461	0.1000173	452
-0.116025	462	0.1012539	468
-0.108214	449	0.1058218	436
-0.104581	3031	0.1345516	453

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	0.03	100.00

The UNIVARIATE Procedure



**The UNIVARIATE Procedure**  
**Variable: x**

Moments			
<b>N</b>	1653	<b>Sum Weights</b>	1653
<b>Mean</b>	0.00993623	<b>Sum Observations</b>	16.4245911
<b>Std Deviation</b>	0.01315129	<b>Variance</b>	0.00017296
<b>Skewness</b>	3.99426211	<b>Kurtosis</b>	25.5143227
<b>Uncorrected SS</b>	0.44892261	<b>Corrected SS</b>	0.28572407
<b>Coeff Variation</b>	132.356928	<b>Std Error Mean</b>	0.00032347

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.009936	<b>Std Deviation</b>	0.01315
<b>Median</b>	0.005795	<b>Variance</b>	0.0001730
<b>Mode</b>	.	<b>Range</b>	0.15256
		<b>Interquartile Range</b>	0.00950

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	30.71777	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	826.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	683515.5	<b>Pr &gt;=  S </b>	<.0001

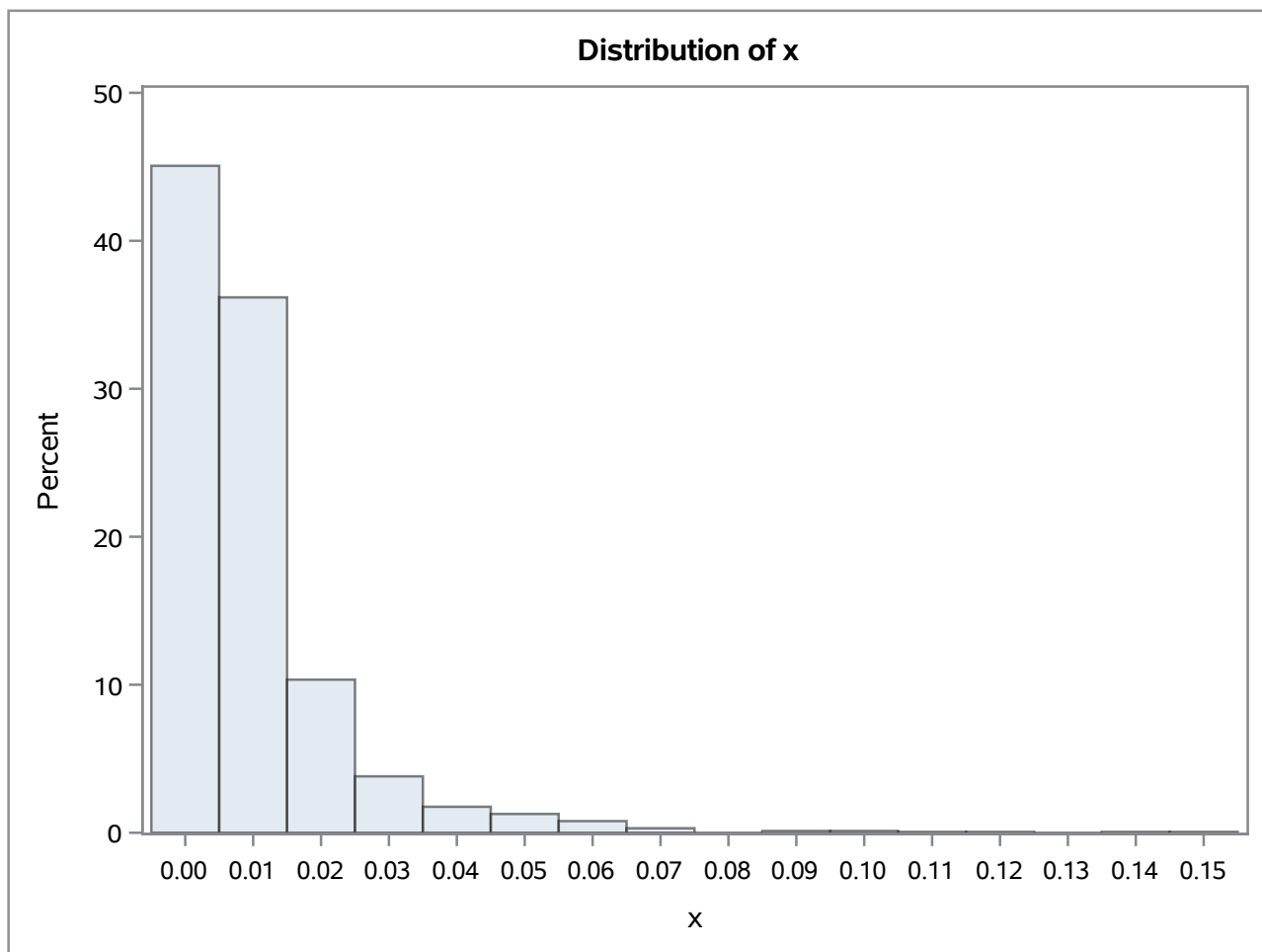
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	1.52569E-01
<b>99%</b>	6.02035E-02
<b>95%</b>	3.30776E-02
<b>90%</b>	2.18645E-02
<b>75% Q3</b>	1.20845E-02
<b>50% Median</b>	5.79541E-03
<b>25% Q1</b>	2.58444E-03
<b>10%</b>	1.02697E-03
<b>5%</b>	4.32789E-04
<b>1%</b>	6.93159E-05
<b>0% Min</b>	7.53168E-06

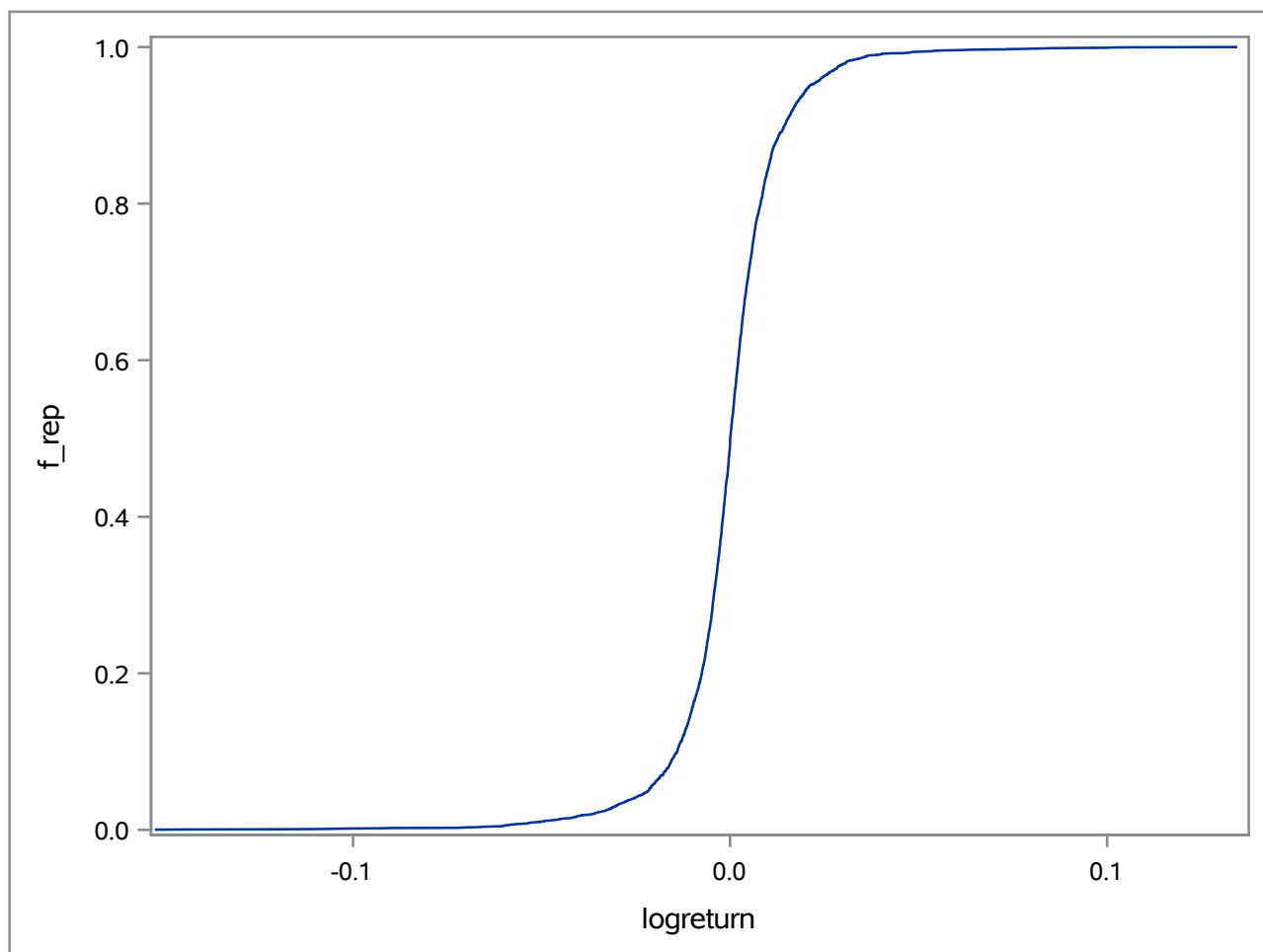
**The UNIVARIATE Procedure**  
**Variable: x**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
7.53168E-06	67	0.104581	1489
1.42346E-05	1394	0.108214	243
1.42701E-05	985	0.116025	253
1.43302E-05	1020	0.142017	252
1.57491E-05	1114	0.152569	245

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	0.06	100.00

## The UNIVARIATE Procedure





**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ln\_f\_rep**

Number of Observations Read	337
Number of Observations Used	336
Number of Observations with Missing Values	1

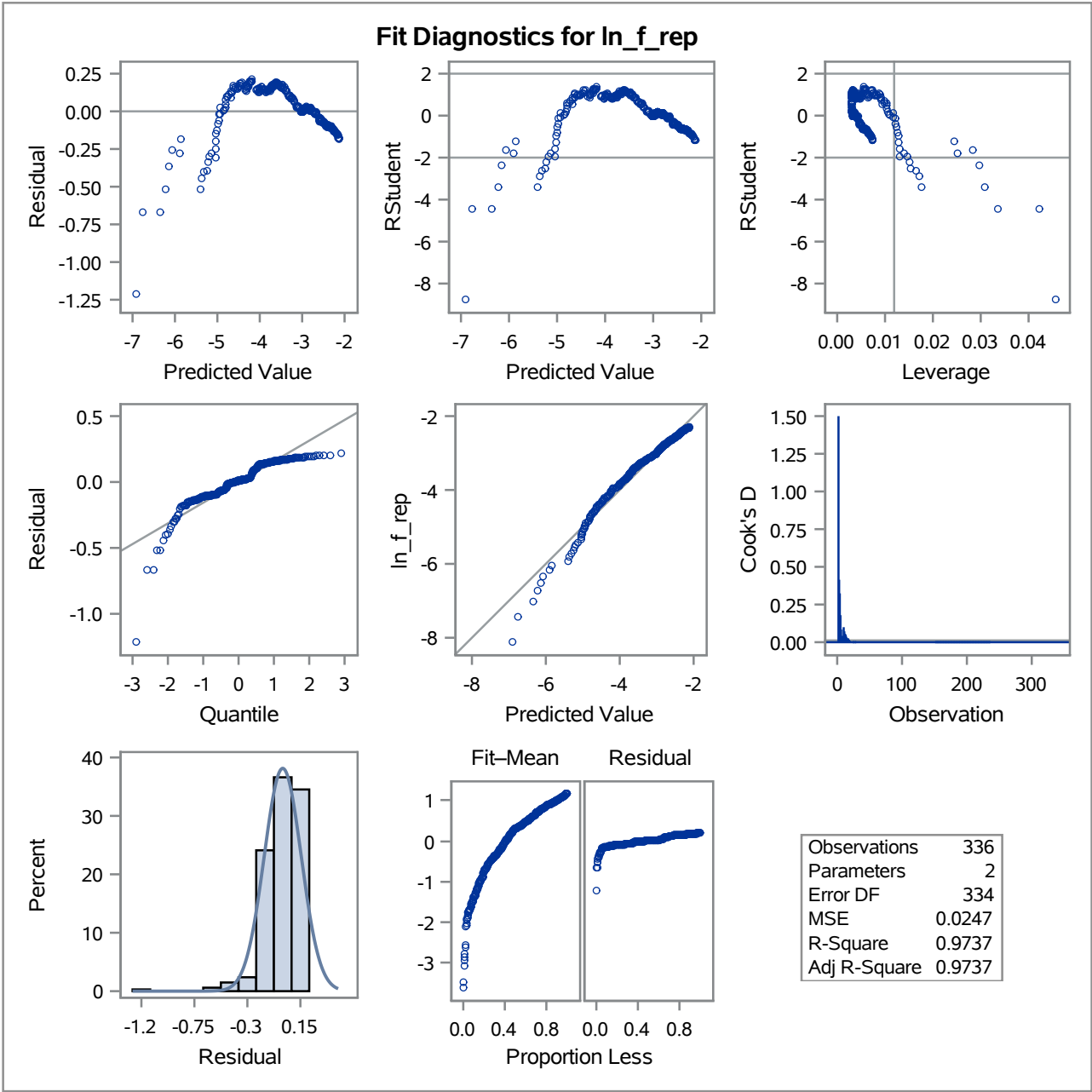
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	305.74700	305.74700	12381.1	<.0001
Error	334	8.24800	0.02469		
Corrected Total	335	313.99500			

Root MSE	0.15715	R-Square	0.9737
Dependent Mean	-3.29209	Adj R-Sq	0.9737
Coeff Var	-4.77342		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-10.67768	0.06693	-159.54	<.0001
ln_x	1	-2.00646	0.01803	-111.27	<.0001



The REG Procedure  
Model: MODEL1  
Dependent Variable: ln\_f\_rep



The REG Procedure  
Model: MODEL1  
Dependent Variable: ln\_f\_rep

