Cálculo das Correlações entre as variáveis da tabela PROJDATA.DAILY_INFO

15 Variables:	ID ACTIVITY_DATE TOTAL_STEPS TOTAL_DISTANCE MEAN_DAILY_MET MAX_DAILY_MET CALORIES VERY_ACTIVE_DISTANCE MODERATE_ACTIVE_DISTANCE LIGHT_ACTIVE_DIST SEDENTARY_ACTIVE_DIST VERY_ACTIVE_MINUTES FAIRLY_ACTIVE_MINUTES LIGHT_ACTIVE_MINUTES SEDENTARY_ACTIVE_MINUTES

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
ID	940	4855407369	2424805476	4.56408E12	1503960366	8877689391
ACTIVITY_DATE	940	20570	8.76437	19336070	20556	20586
TOTAL_STEPS	940	7638	5087	7179636	0	36019
TOTAL_DISTANCE	940	5.48970	3.92461	5160	0	28.03000
MEAN_DAILY_MET	934	14.66396	2.90326	13696	10.00000	25.77569
MAX_DAILY_MET	934	73.59529	29.97049	68738	10.00000	157.00000
CALORIES	940	2304	718.16686	2165393	0	4900
VERY_ACTIVE_DISTANCE	940	1.50268	2.65894	1413	0	21.92000
MODERATE_ACTIVE_DISTANCE	940	0.56754	0.88358	533.49000	0	6.48000
LIGHT_ACTIVE_DIST	940	3.34082	2.04066	3140	0	10.71000
SEDENTARY_ACTIVE_DIST	940	0.00161	0.00735	1.51000	0	0.11000
VERY_ACTIVE_MINUTES	940	21.16489	32.84480	19895	0	210.00000
FAIRLY_ACTIVE_MINUTES	940	13.56489	19.98740	12751	0	143.00000
LIGHT_ACTIVE_MINUTES	940	192.81277	109.17470	181244	0	518.00000
SEDENTARY_ACTIVE_MINUTES	940	991.21064	301.26744	931738	0	1440

Cálculo das Correlações entre as variáveis da tabela PROJDATA.DAILY_INFO

	ID	ACTIVITY_DATE	TOTAL_STEPS	TOTAL_DISTANCE	MEAN_DAILY_MET
Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations					
ID	1.00000 940	-0.01557 0.6335 940	0.18572 <.0001 940	0.24100 <.0001 940	0.19027 <.0001 934
ACTIVITY_DATE	-0.01557 0.6335 940	1.00000 940	-0.04393 0.1784 940	-0.04017 0.2185 940	-0.00748 0.8194 934
TOTAL_STEPS	0.18572 <.0001 940	-0.04393 0.1784 940	1.00000 940	0.98537 <.0001 940	0.88055 <.0001 934
TOTAL_DISTANCE	0.24100 <.0001 940	-0.04017 0.2185 940	0.98537 <.0001 940	1.00000 940	0.86446 <.0001 934
MEAN_DAILY_MET	0.19027 <.0001 934	-0.00748 0.8194 934	0.88055 <.0001 934	0.86446 <.0001 934	1.00000 934
MAX_DAILY_MET	0.10610 0.0012 934	-0.02249 0.4925 934	0.68360 <.0001 934	0.66778 <.0001 934	0.75642 <.0001 934
CALORIES	0.39667 <.0001 940	-0.09284 0.0044 940	0.59157 <.0001 940	0.64496 <.0001 940	0.67227 <.0001 934
VERY_ACTIVE_DISTANCE	0.30869 <.0001 940	-0.03449 0.2909 940	0.74011 <.0001 940	0.79458 <.0001 940	0.63497 <.0001 934
MODERATE_ACTIVE_DISTANCE	0.02667 0.4142 940	0.03757 0.2498 940	0.50711 <.0001 940	0.47076 <.0001 940	0.39494 <.0001 934
LIGHT_ACTIVE_DIST	0.01963 0.5478 940	-0.03629 0.2664 940	0.69221 <.0001 940	0.66200 <.0001 940	0.70058 <.0001 934
SEDENTARY_ACTIVE_DIST	-0.01570 0.6307 940	0.00225 0.9450 940	0.07050 0.0307 940	0.08239 0.0115 940	0.05561 0.0894 934
VERY_ACTIVE_MINUTES	0.30361 <.0001 940	-0.04420 0.1757 940	0.66708 <.0001 940	0.68130 <.0001 940	0.74265 <.0001 934
FAIRLY_ACTIVE_MINUTES	0.05116 0.1170 940	0.02531 0.4384 940	0.49869 <.0001 940	0.46290 <.0001 940	0.47050 <.0001 934
LIGHT_ACTIVE_MINUTES	-0.09875 0.0024 940	-0.04914 0.1322 940	0.56960 <.0001 940	0.51630 <.0001 940	0.62779 <.0001 934
SEDENTARY_ACTIVE_MINUTES	-0.04332 0.1845 940	-0.09530 0.0034 940	-0.32748 <.0001 940	-0.28809 <.0001 940	-0.45057 <.0001 934

Cálculo das Correlações entre as variáveis da tabela PROJDATA.DAILY_INFO

	MAX_DAILY_MET	CALORIES	VERY_ACTIVE_DISTANCE	MODERATE_ACTIVE_DISTANCE
Pearson Correlation Coefficients **Prob > |r| under H0: Rho=0** **Number of Observations**				
ID	0.10610 0.0012 934	0.39667 <.0001 940	0.30869 <.0001 940	0.02667 0.4142 940
ACTIVITY_DATE	-0.02249 0.4925 934	-0.09284 0.0044 940	-0.03449 0.2909 940	0.03757 0.2498 940
TOTAL_STEPS	0.68360 <.0001 934	0.59157 <.0001 940	0.74011 <.0001 940	0.50711 <.0001 940
TOTAL_DISTANCE	0.66778 <.0001 934	0.64496 <.0001 940	0.79458 <.0001 940	0.47076 <.0001 940
MEAN_DAILY_MET	0.75642 <.0001 934	0.67227 <.0001 934	0.63497 <.0001 934	0.39494 <.0001 934
MAX_DAILY_MET	1.00000 934	0.42784 <.0001 934	0.55184 <.0001 934	0.32770 <.0001 934
CALORIES	0.42784 <.0001 934	1.00000 940	0.49196 <.0001 940	0.21679 <.0001 940
VERY_ACTIVE_DISTANCE	0.55184 <.0001 934	0.49196 <.0001 940	1.00000 940	0.19299 <.0001 940
MODERATE_ACTIVE_DISTANCE	0.32770 <.0001 934	0.21679 <.0001 940	0.19299 <.0001 940	1.00000 940
LIGHT_ACTIVE_DIST	0.46440 <.0001 934	0.46692 <.0001 940	0.15767 <.0001 940	0.23785 <.0001 940
SEDENTARY_ACTIVE_DIST	0.06383 0.0512 934	0.04365 0.1812 940	0.04612 0.1577 940	0.00579 0.8592 940
VERY_ACTIVE_MINUTES	0.58889 <.0001 934	0.61584 <.0001 940	0.82668 <.0001 940	0.22546 <.0001 940
FAIRLY_ACTIVE_MINUTES	0.39459 <.0001 934	0.29762 <.0001 940	0.21173 <.0001 940	0.94693 <.0001 940
LIGHT_ACTIVE_MINUTES	0.41063 <.0001 934	0.28672 <.0001 940	0.05985 0.0666 940	0.16209 <.0001 940
SEDENTARY_ACTIVE_MINUTES	-0.33133 <.0001 934	-0.10697 0.0010 940	-0.06175 0.0584 940	-0.22144 <.0001 940

Cálculo das Correlações entre as variáveis da tabela PROJDATA.DAILY_INFO

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations		
	LIGHT_ACTIVE_DIST	SEDENTARY_ACTIVE_DIST	VERY_ACTIVE_MINUTES
ID	0.01963 0.5478 940	-0.01570 0.6307 940	0.30361 <.0001 940
ACTIVITY_DATE	-0.03629 0.2664 940	0.00225 0.9450 940	-0.04420 0.1757 940
TOTAL_STEPS	0.69221 <.0001 940	0.07050 0.0307 940	0.66708 <.0001 940
TOTAL_DISTANCE	0.66200 <.0001 940	0.08239 0.0115 940	0.68130 <.0001 940
MEAN_DAILY_MET	0.70058 <.0001 934	0.05561 0.0894 934	0.74265 <.0001 934
MAX_DAILY_MET	0.46440 <.0001 934	0.06383 0.0512 934	0.58889 <.0001 934
CALORIES	0.46692 <.0001 940	0.04365 0.1812 940	0.61584 <.0001 940
VERY_ACTIVE_DISTANCE	0.15767 <.0001 940	0.04612 0.1577 940	0.82668 <.0001 940
MODERATE_ACTIVE_DISTANCE	0.23785 <.0001 940	0.00579 0.8592 940	0.22546 <.0001 940
LIGHT_ACTIVE_DIST	1.00000 940	0.09950 0.0023 940	0.15497 <.0001 940
SEDENTARY_ACTIVE_DIST	0.09950 0.0023 940	1.00000 940	0.00826 0.8004 940
VERY_ACTIVE_MINUTES	0.15497 <.0001 940	0.00826 0.8004 940	1.00000 940
FAIRLY_ACTIVE_MINUTES	0.22013 <.0001 940	-0.02236 0.4935 940	0.31242 <.0001 940
LIGHT_ACTIVE_MINUTES	0.88570 <.0001 940	0.12418 0.0001 940	0.05193 0.1116 940
SEDENTARY_ACTIVE_MINUTES	-0.41355 <.0001 940	0.03547 0.2772 940	-0.16467 <.0001 940

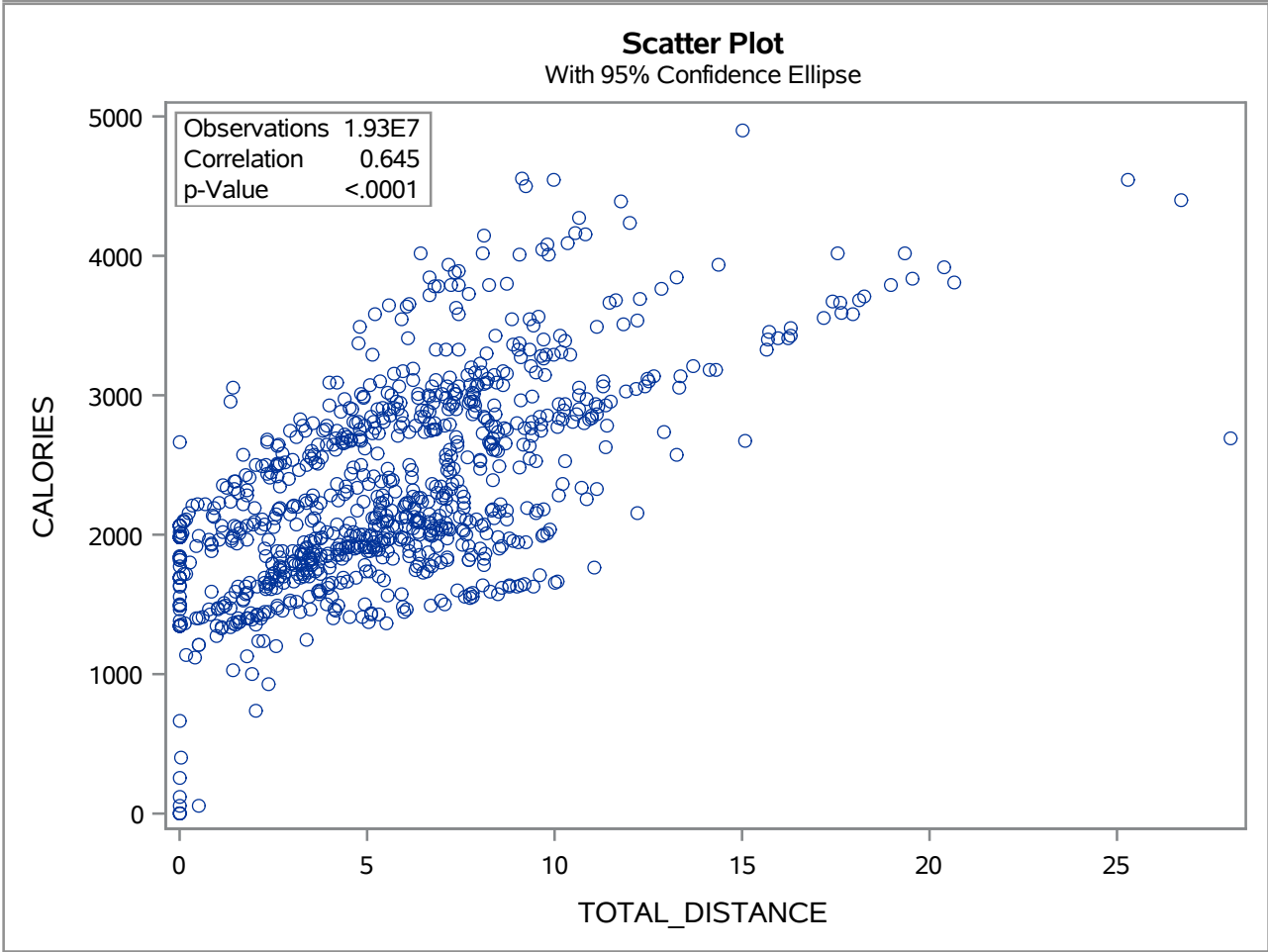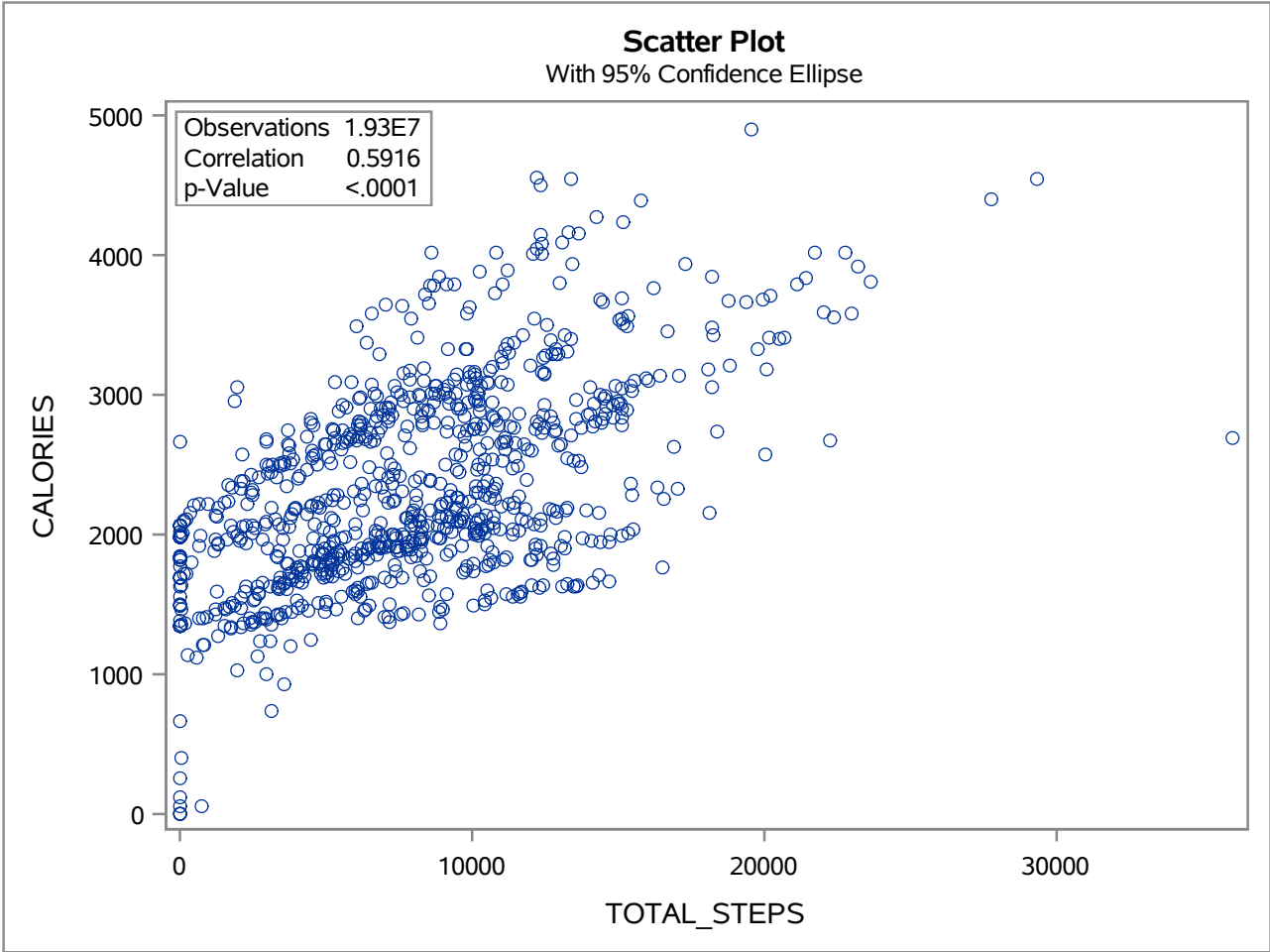# Cálculo das Correlações entre as variáveis da tabela PROJDATA.DAILY_INFO

	FAIRLY_ACTIVE_MINUTES	LIGHT_ACTIVE_MINUTES	SEDENTARY_ACTIVE_MINUTES
Pearson Correlation Coefficients **Prob > |r| under H0: Rho=0** **Number of Observations**			
ID	0.05116 0.1170 940	-0.09875 0.0024 940	-0.04332 0.1845 940
ACTIVITY_DATE	0.02531 0.4384 940	-0.04914 0.1322 940	-0.09530 0.0034 940
TOTAL_STEPS	0.49869 <.0001 940	0.56960 <.0001 940	-0.32748 <.0001 940
TOTAL_DISTANCE	0.46290 <.0001 940	0.51630 <.0001 940	-0.28809 <.0001 940
MEAN_DAILY_MET	0.47050 <.0001 934	0.62779 <.0001 934	-0.45057 <.0001 934
MAX_DAILY_MET	0.39459 <.0001 934	0.41063 <.0001 934	-0.33133 <.0001 934
CALORIES	0.29762 <.0001 940	0.28672 <.0001 940	-0.10697 0.0010 940
VERY_ACTIVE_DISTANCE	0.21173 <.0001 940	0.05985 0.0666 940	-0.06175 0.0584 940
MODERATE_ACTIVE_DISTANCE	0.94693 <.0001 940	0.16209 <.0001 940	-0.22144 <.0001 940
LIGHT_ACTIVE_DIST	0.22013 <.0001 940	0.88570 <.0001 940	-0.41355 <.0001 940
SEDENTARY_ACTIVE_DIST	-0.02236 0.4935 940	0.12418 0.0001 940	0.03547 0.2772 940
VERY_ACTIVE_MINUTES	0.31242 <.0001 940	0.05193 0.1116 940	-0.16467 <.0001 940
FAIRLY_ACTIVE_MINUTES	1.00000 940	0.14882 <.0001 940	-0.23745 <.0001 940
LIGHT_ACTIVE_MINUTES	0.14882 <.0001 940	1.00000 940	-0.43710 <.0001 940
SEDENTARY_ACTIVE_MINUTES	-0.23745 <.0001 940	-0.43710 <.0001 940	1.00000 940

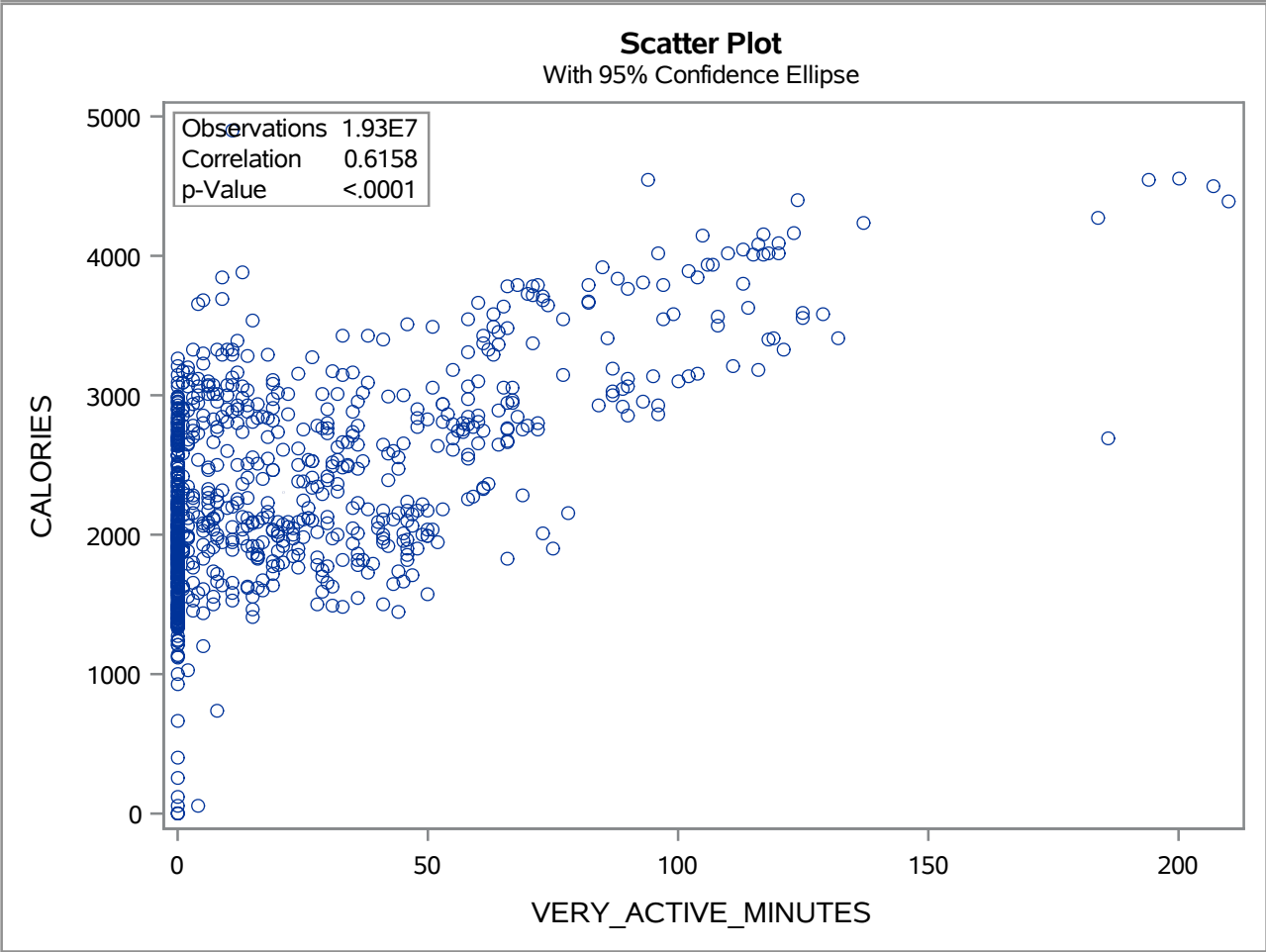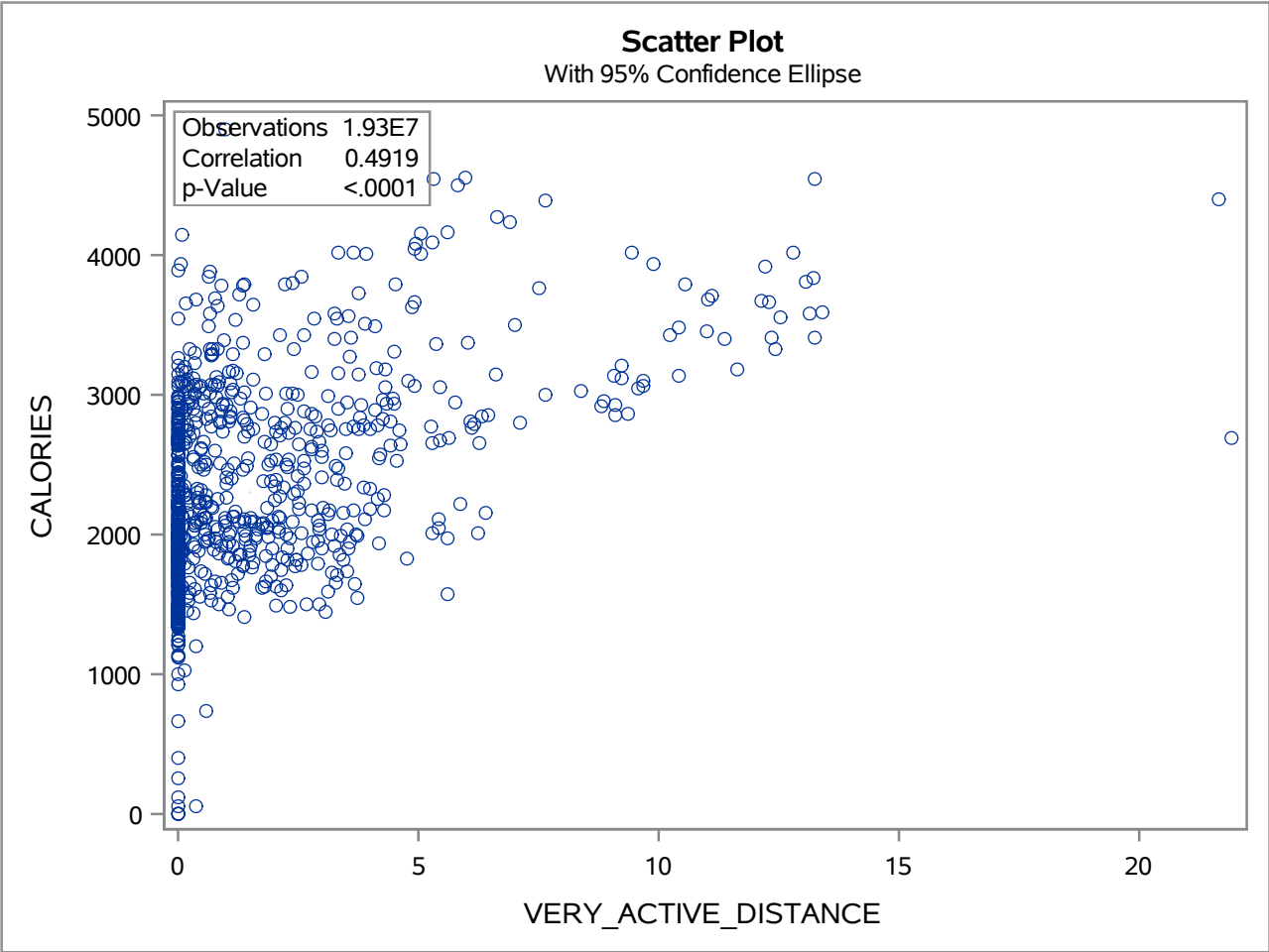# Correlação entre Calorias "Queimadas" Diárias e Niveis de Atividade

1 With Variables:	CALORIES
5 Variables:	TOTAL_STEPS TOTAL_DISTANCE VERY_ACTIVE_DISTANCE VERY_ACTIVE_MINUTES MODERATE_ACTIVE_DISTANCE
Freq Variable:	ACTIVITY_DATE

Pearson Correlation Coefficients, N = 19336070					
	TOTAL_STEPS	**TOTAL_DISTANCE**	**VERY_ACTIVE_DISTANCE**	**VERY_ACTIVE_MINUTES**	**MODERATE_ACTIVE_DISTANCE**
CALORIES	0.59157	0.64496	0.49194	0.61581	0.21680

Correlação entre Calorias "Queimadas" Diárias e Niveis de Atividade

Scatter Plot

With 95% Confidence Ellipse

Observations	1.93E7
Correlation	0.5916
p-Value	<.0001

Scatter Plot

With 95% Confidence Ellipse

Observations	1.93E7
Correlation	0.645
p-Value	<.0001

Correlação entre Calorias "Queimadas" Diárias e Niveis de Atividade

Scatter Plot
With 95% Confidence Ellipse

Observations	1.93E7
Correlation	0.4919
p-Value	<.0001

VERY_ACTIVE_DISTANCE

Scatter Plot
With 95% Confidence Ellipse

Observations	1.93E7
Correlation	0.6158
p-Value	<.0001

VERY_ACTIVE_MINUTES

Correlação entre Calorias "Queimadas" Diárias e Niveis de Atividade
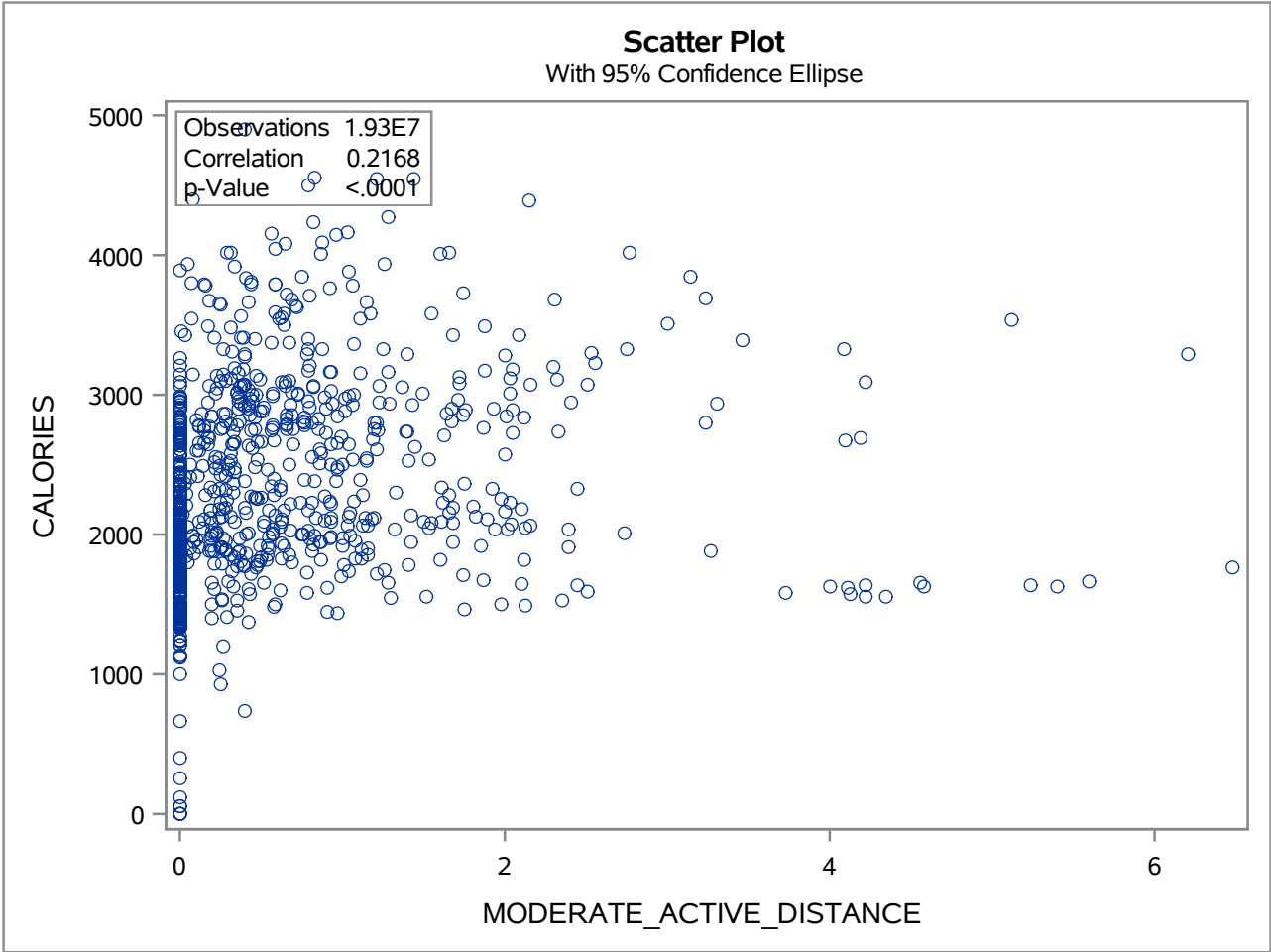
Grafico Q-Q de distribuição normal para consumo calórico (Calories) em que   Very Active Minutes seja != 0

Variable: CALORIES

Moments			
N	528	Sum Weights	528
Mean	2605.89773	Sum Observations	1375914
Std Deviation	696.820135	Variance	485558.301
Skewness	0.49880925	Kurtosis	-0.3050546
Uncorrected SS	3841380390	Corrected SS	255889224
Coeff Variation	26.7401183	Std Error Mean	30.3252039

Basic Statistical Measures			
Location		Variability	
Mean	2605.898	Std Deviation	696.82014
Median	2575.500	Variance	485558
Mode	2105.000	Range	3701
		Interquartile Range	1028

Note: The mode displayed is the smallest of 6 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	85.93175	Pr > |t|	<.0001
Sign	M	264	Pr >= |M|	<.0001
Signed Rank	S	69828	Pr >= |S|	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.969588	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.086381	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.676794	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	4.417575	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	4900.0
99%	4398.0
95%	3846.0
90%	3586.0
75% Q3	3057.5
50% Median	2575.5
25% Q1	2030.0
10%	1783.0

Grafico Q-Q de distribuição normal para consumo calórico (Calories) em que   Very Active Minutes seja != 0

Variable: CALORIES

Quantiles (Definition 5)	
Level	Quantile
5%	1625.0
1%	1468.0
0% Min	1199.0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1199	768	4501	586
1407	333	4546	587
1433	319	4547	914
1450	317	4552	573
1459	186	4900	607

Grafico Q-Q de distribuição normal para consumo calórico (Calories) em que   Very Active Minutes seja != 0

Distribution and Probability Plot for CALORIES