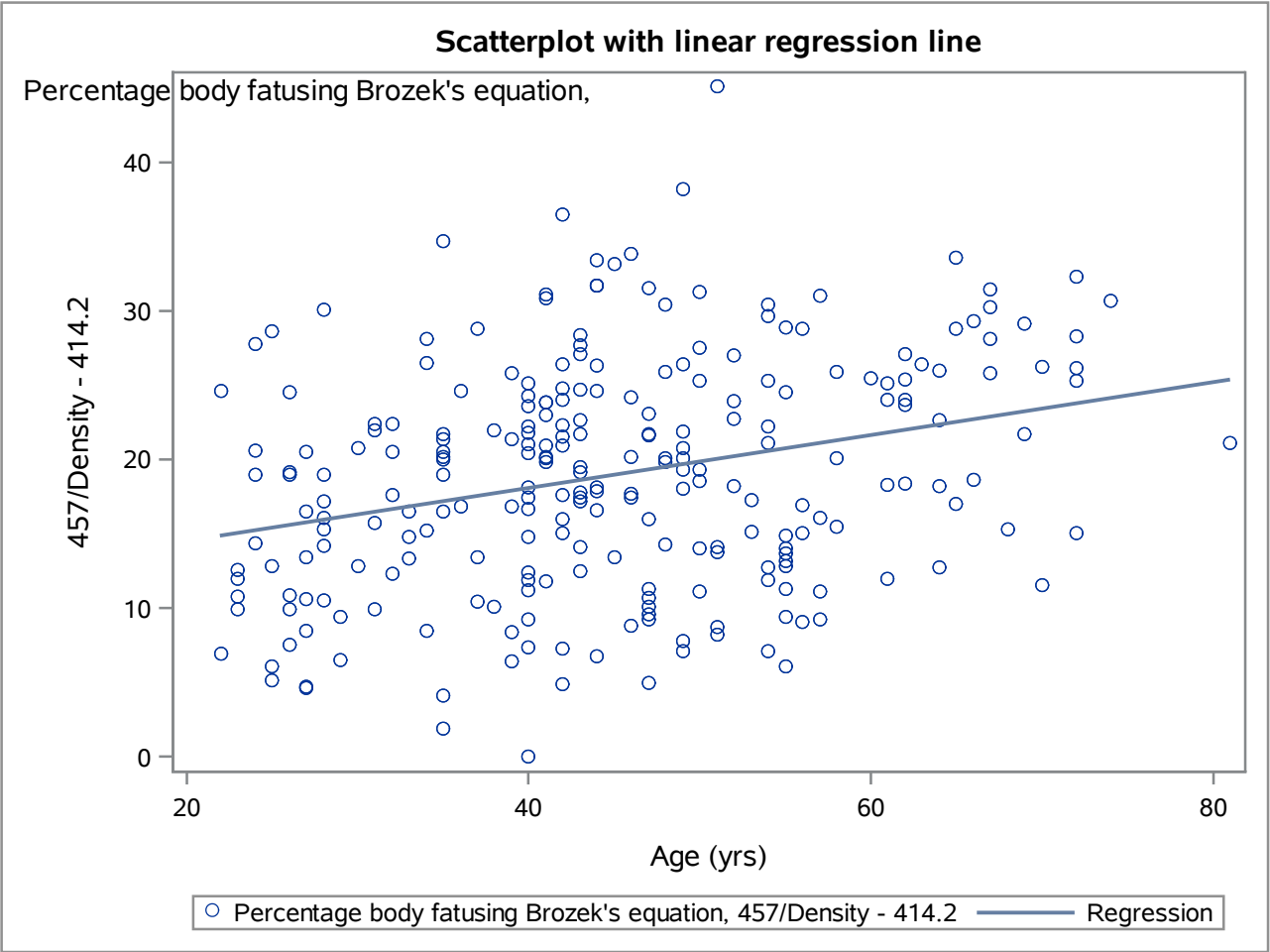


# The first ten rows and five columns of the fat data set

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Obs	case	fat_b	fat_s	dens	age
1	96	17.3	17.4	1.0991	53
2	145	10.8	10.3	1.0754	23
3	12	8.5	7.8	1.0812	27
4	192	36.5	38.1	1.0140	42
5	109	17.2	17.3	1.0593	43
6	156	17.2	17.3	1.0594	28
7	140	20.1	20.4	1.0522	49
8	6	20.6	20.9	1.0502	24
9	194	24.0	24.7	1.0429	42
10	11	7.5	7.1	1.0830	26



The GLM Procedure

Number of Observations Read	252
Number of Observations Used	252

## The GLM Procedure

Dependent Variable: fat\_b Percentage body fat using Brozek's equation, 457/Density - 414.2

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1260.92730	1260.92730	22.81	<.0001
Error	250	13818.08932	55.27236		
Corrected Total	251	15079.01663			

R-Square	Coeff Var	Root MSE	fat_b Mean
0.083621	39.25623	7.434538	18.93849

Source	DF	Type I SS	Mean Square	F Value	Pr > F
age	1	1260.927303	1260.927303	22.81	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
age	1	1260.927303	1260.927303	22.81	<.0001

Parameter	Estimate	Standard Error	t Value	Pr >  t
Intercept	10.95546170	1.73576087	6.31	<.0001
age	0.17785551	0.03723714	4.78	<.0001

Obs	fat_b	age
1	.	20
2	.	60
3	17.3	53
4	10.8	23
5	8.5	27
6	36.5	42
7	17.2	43
8	17.2	28
9	20.1	49
10	20.6	24

Obs	fat_b	age	predicted_fat
1	.	20	14.5126
2	.	60	21.6268
3	17.3	53	20.3818
4	10.8	23	15.0461
5	8.5	27	15.7576
6	36.5	42	18.4254
7	17.2	43	18.6032
8	17.2	28	15.9354
9	20.1	49	19.6704
10	20.6	24	15.2240

**Partial listing of predicted values and residuals**

Obs	fat_b	age	predicted_fat	residuals_fat
1	17.3	53	20.3818	-3.0818
2	10.8	23	15.0461	-4.2461
3	8.5	27	15.7576	-7.2576
4	36.5	42	18.4254	18.0746
5	17.2	43	18.6032	-1.4032
6	17.2	28	15.9354	1.2646
7	20.1	49	19.6704	0.4296
8	20.6	24	15.2240	5.3760
9	24.0	42	18.4254	5.5746
10	7.5	26	15.5797	-8.0797

