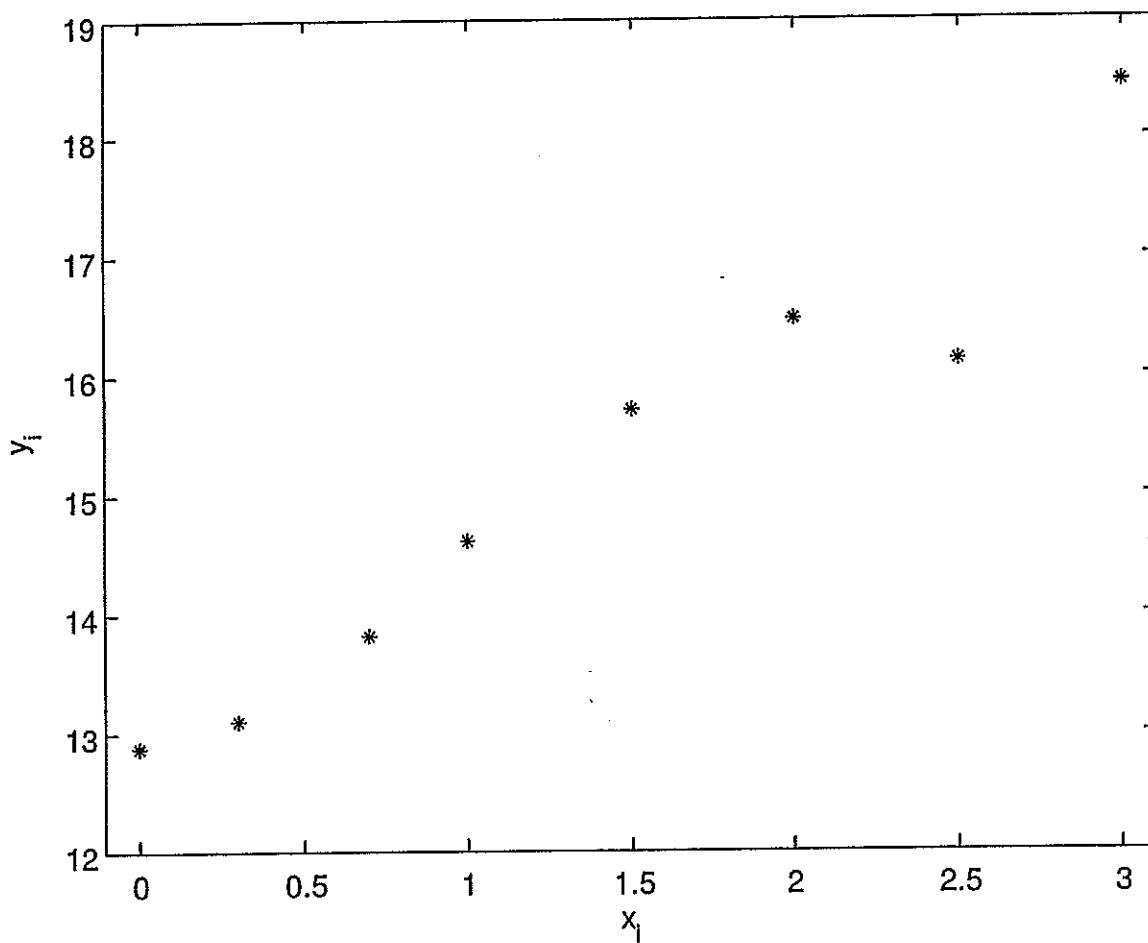
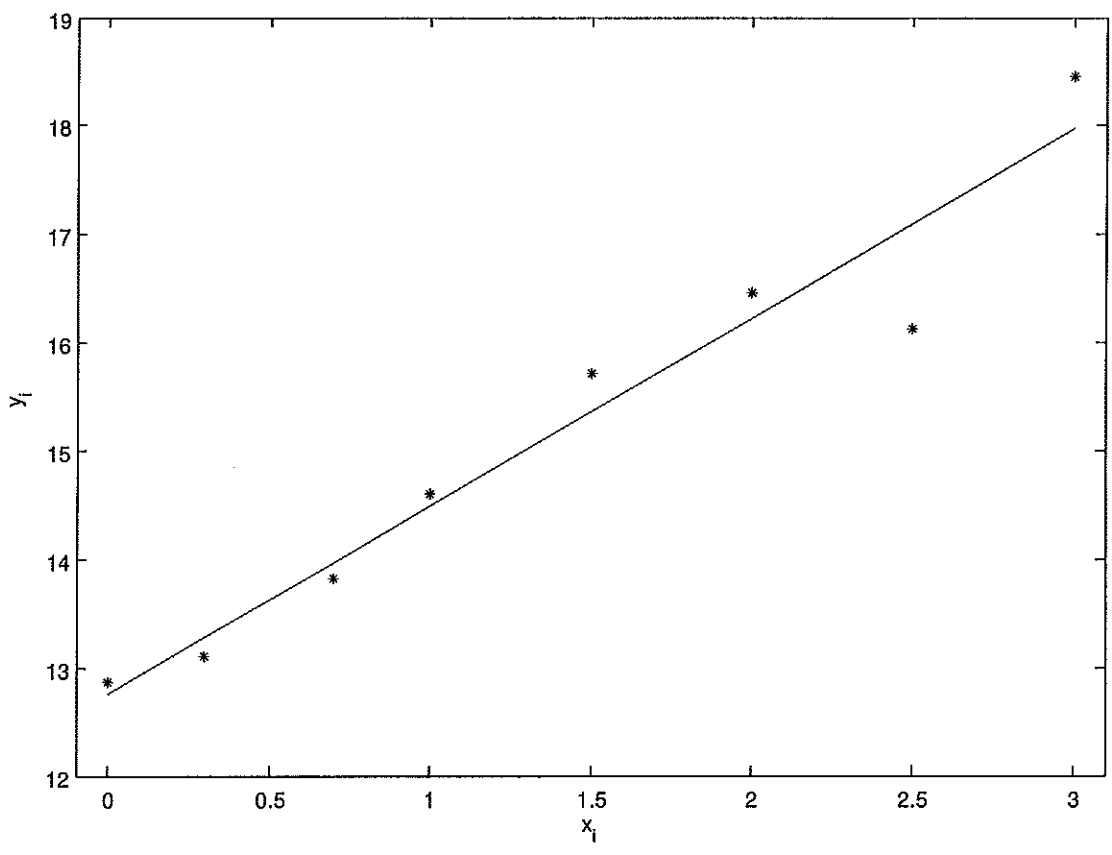


F-halt( $x_i$ )	0	0.3	0.7	1	1.5	2	2.5	3
Elast( $y_i$ )	12.86	13.1	13.82	14.6	15.72	16.47	16.13	18.45





I samband med linjär regression fick vi följande data:

x =

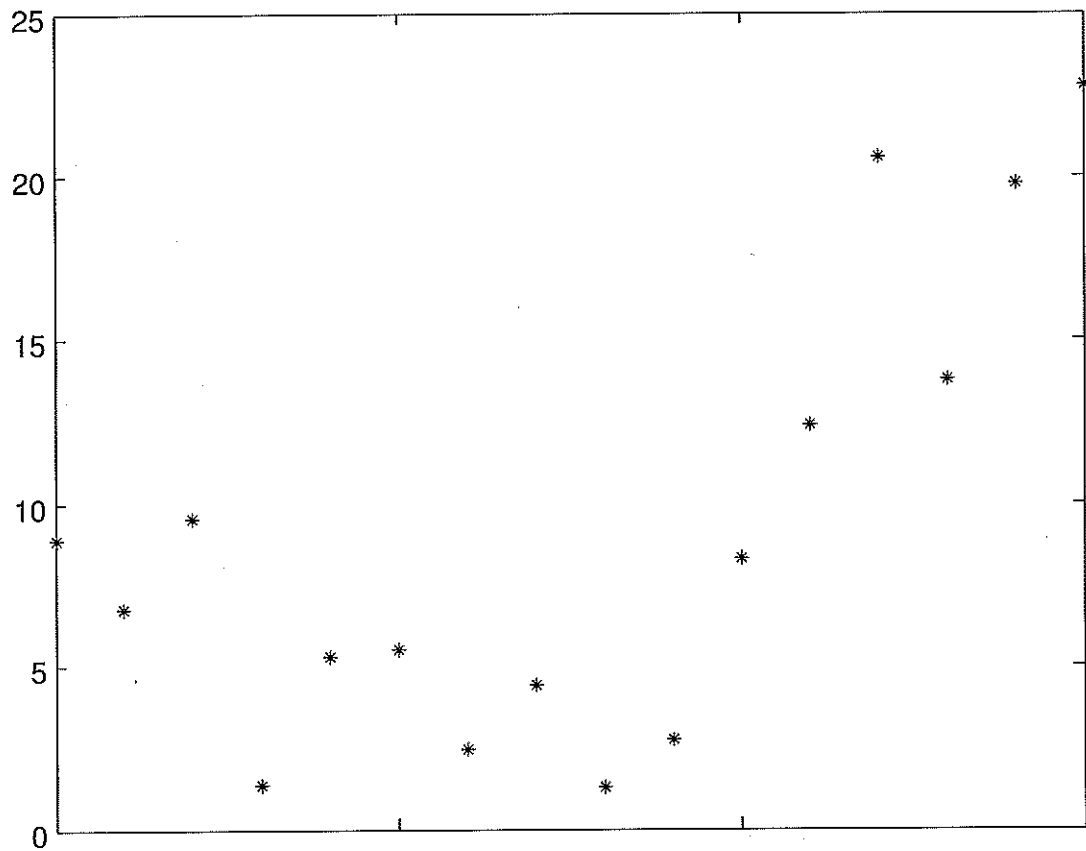
-0.5000	-0.4000	-0.3000	-0.2000	-0.1000	0	0.1000	0.2000
0.3000	0.4000	0.5000	0.6000	0.7000	0.8000	0.9000	1.0000

och

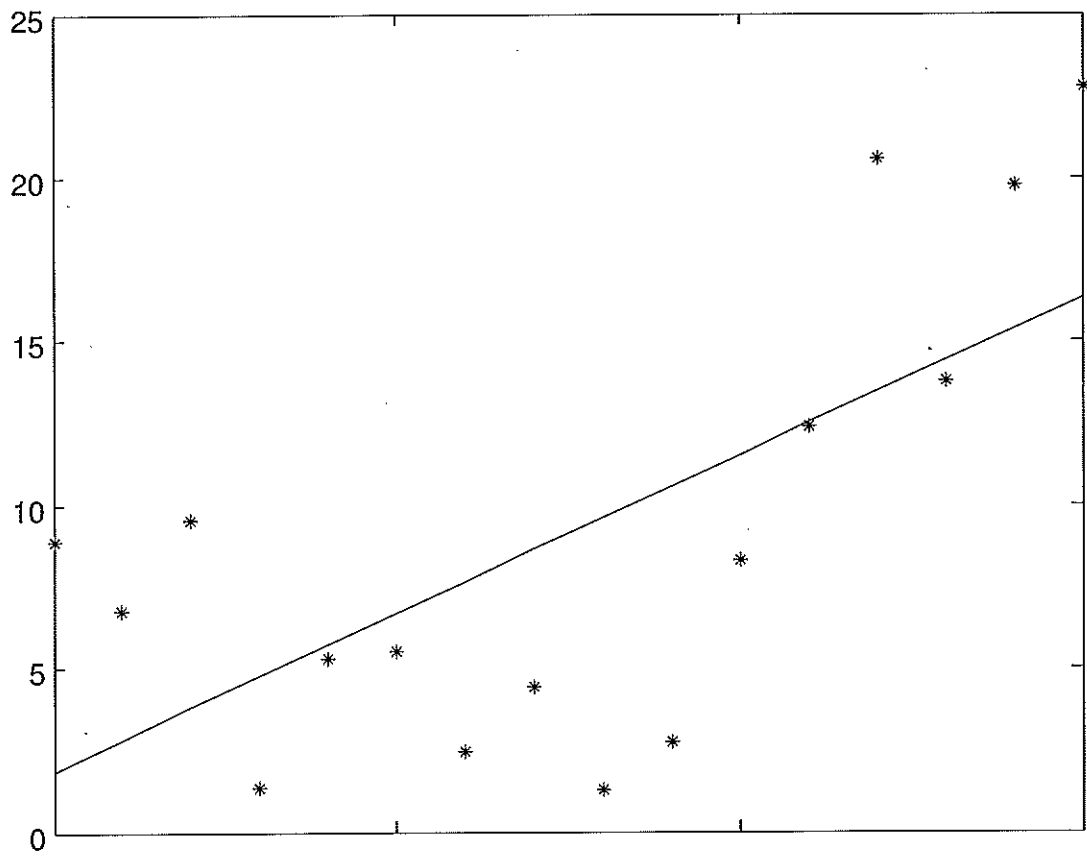
y =

8.8748	6.7934	9.5631	1.3866	5.2899	5.5053	2.4689	4.4470
1.3025	2.7561	8.3146	12.3668	20.5565	13.7993	19.7620	22.7525

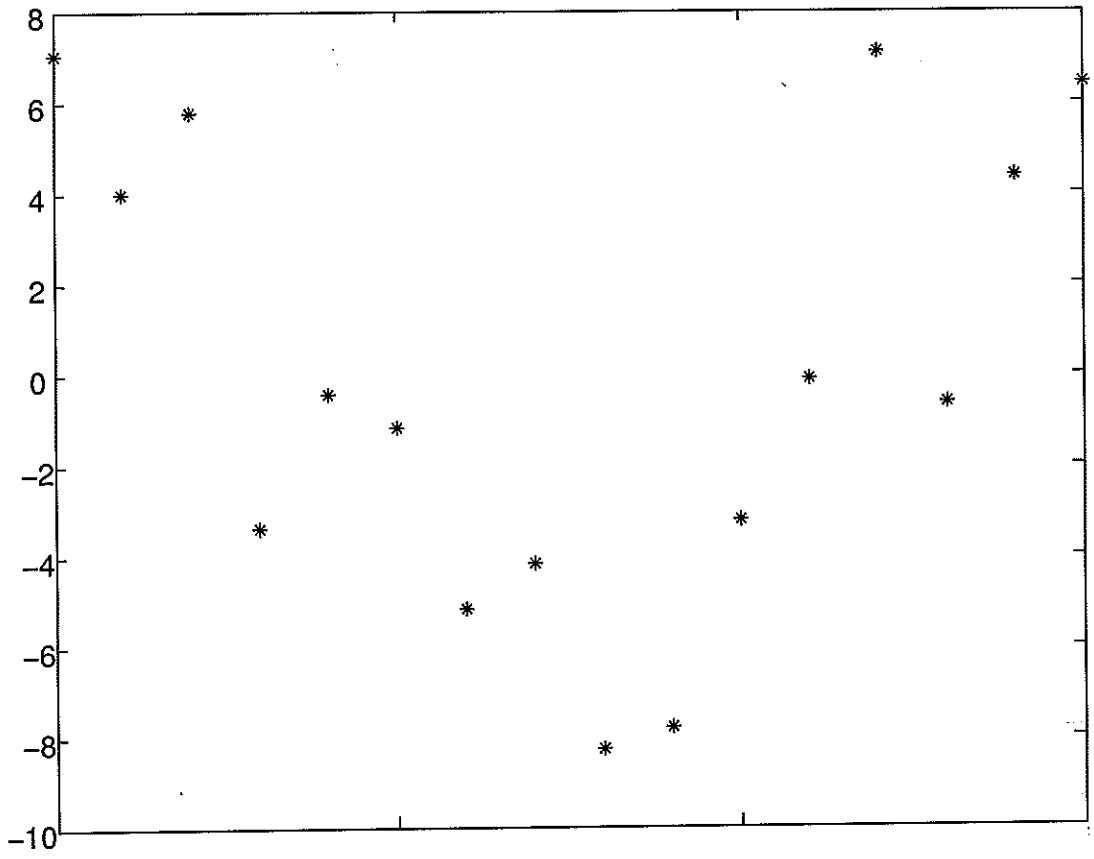
med plotten



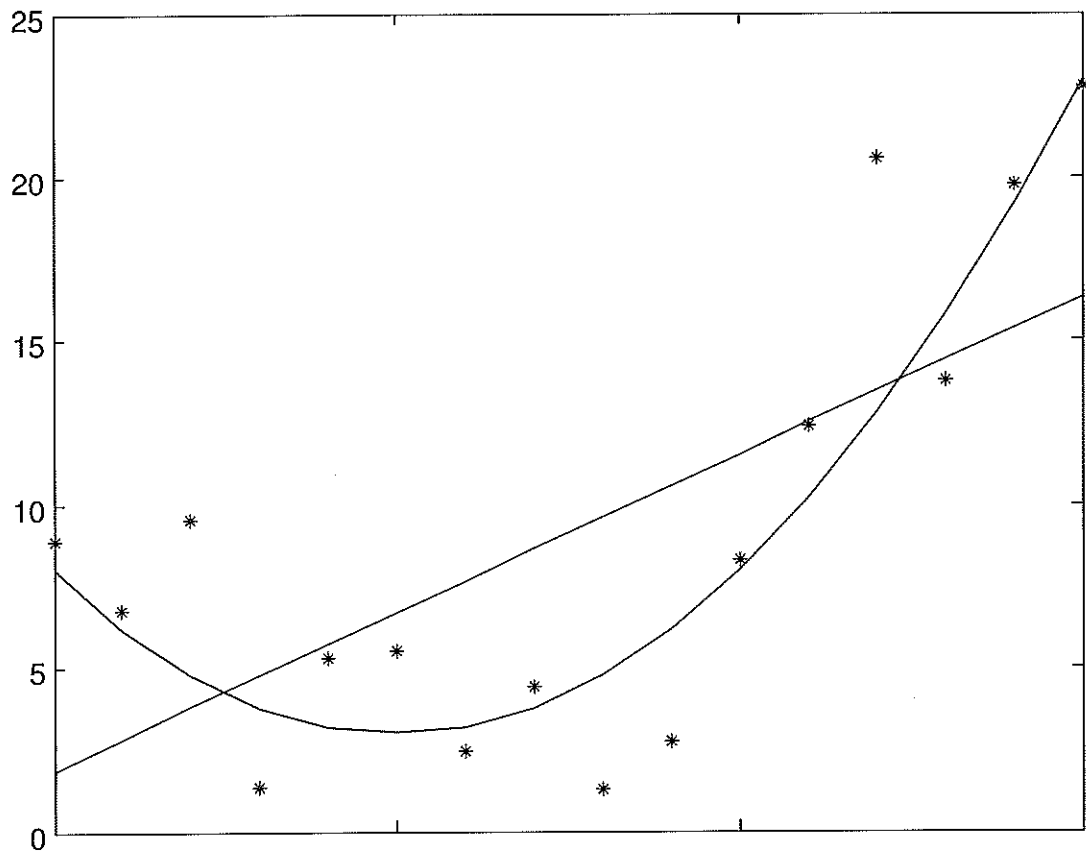
Figur 1: Plottade data



Figur 2: Plottade data med regressionslinje



Figur 3: residualerna



Figur 4: Med "korrekt" kurva

Man får att

$$R^2 \approx 0.4387,$$

vilket implicerar en dåligt anpassa kurva.

I ett annat försök fick vi

x =

10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25

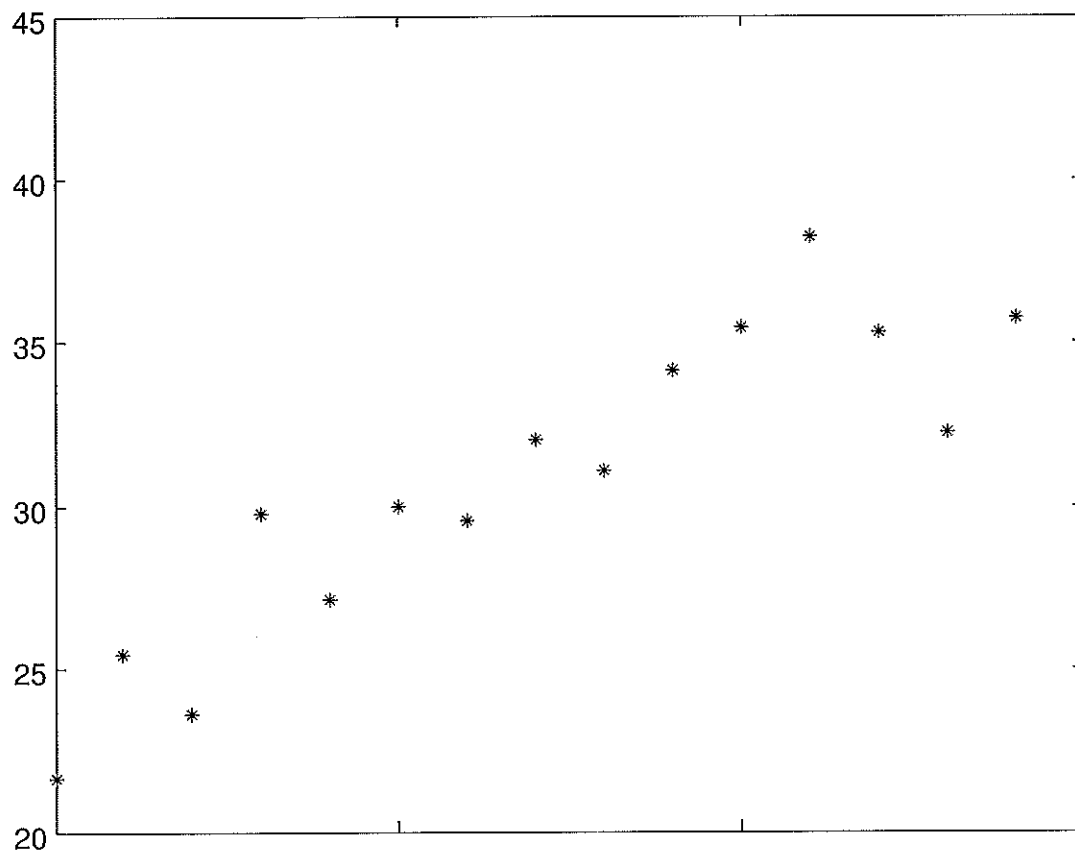
och

y =

21.6340	25.4721	23.6106	29.7308	27.1239	29.9502	29.5109	32.0570
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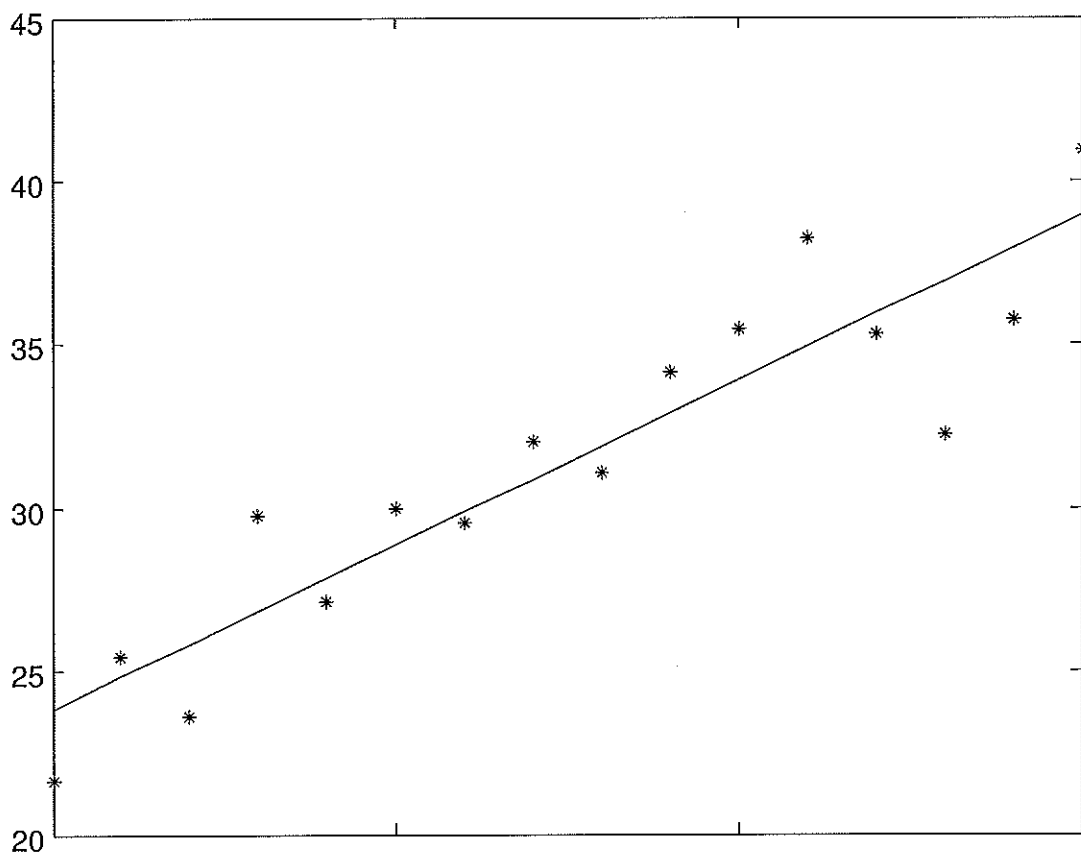
31.0993	34.1299	35.4787	38.2738	35.3118	32.2733	35.7208	40.9592
---------	---------	---------	---------	---------	---------	---------	---------

med plotterna

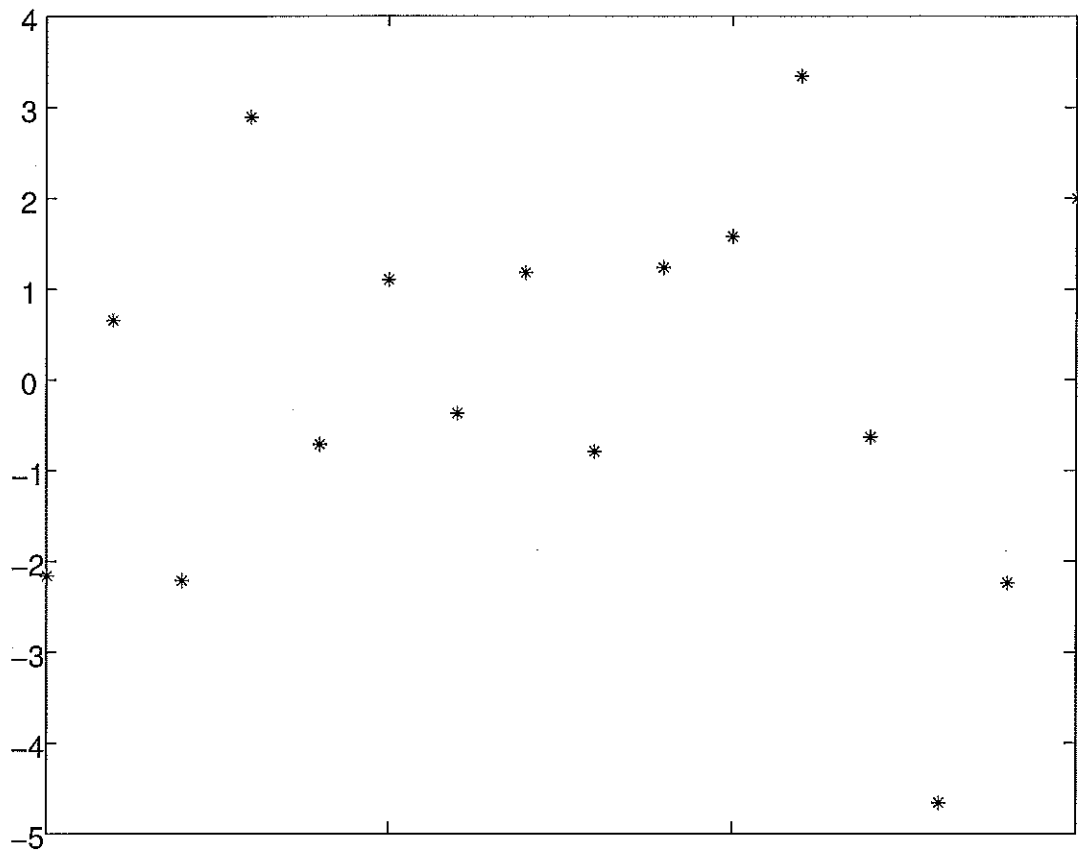


Figur 5: Plottade data





Figur 6: Plottade data med regressionslinje



Figur 7: residualerna

$$R^2 \approx 0.835.$$