

x1	x2	x3	lnx1	lnx2	lnx3
53	15	3	3,970291914	2,708050201	1,098612289
36	13	5	3,583518938	2,564949357	1,609437912
65	12	4	4,17438727	2,48490665	1,386294361
44	9	6	3,784189634	2,197224577	1,791759469
31	11	8	3,433987204	2,397895273	2,079441542
30	7	9	3,401197382	1,945910149	2,197224577
14	5	12	2,63905733	1,609437912	2,48490665
2	3	19	0,693147181	1,098612289	2,944438979
3	4	20	1,098612289	1,386294361	2,995732274

totali 278 79 86 26,77838914 18,39328077 18,58784805

medie 30,88888889 8,777778 9,55555556 2,975376571 2,043697863 2,06531645

var/cov

corr
corr(parz)

beta 1,250091676
gamma -0,722874546
A1 1,913531575
alpha 6,776979998

$$X1 = \alpha * X2^\beta * X3^\gamma$$

X1	Y1=lnX1	X2	X3	1^2	2^2	3^2
53	3,970291914	15	3	15,76321788	225	9
36	3,583518938	13	5	12,84160798	169	25
65	4,17438727	12	4	17,42550908	144	16
44	3,784189634	9	6	14,32009119	81	36
31	3,433987204	11	8	11,79226812	121	64
30	3,401197382	7	9	11,56814363	49	81
14	2,63905733	5	12	6,964623589	25	144
2	0,693147181	3	19	0,480453014	9	361
3	1,098612289	4	20	1,206948961	16	400

totali 9 26,77838914 79 86 92,36286344 839 1136

medie/var sqm 2,975376571 8,777778 9,55555556 1,409674642 16,17283951 34,91358025
1,1872972 4,021546905 5,908771467

A1 5,935808765
alpha 378,3458654
A2 -0,073608345
A3 -0,242195703
gamma 0,784902554
beta 0,929035484

$$X1 = \alpha * \beta^X * \gamma^X$$

y1^2	y2^2	Y3^2	1*2	1*3	2*3
15,76321788	7,333535892	1,206948961	10,75174981	4,361811486	2,975097229
12,84160798	6,578965206	2,590290394	9,191544599	5,767451239	4,128126739
17,42550908	6,174761058	1,921812056	10,37296269	5,786929533	3,444812077
14,32009119	4,827795843	3,210401996	8,314714469	6,78035761	3,936897942
11,79226812	5,749901739	4,324077125	8,234341684	7,140775647	4,986283043
11,56814363	3,786566308	4,827795843	6,618424504	7,473194479	4,275601605
6,964623589	2,590290394	6,174761058	4,247398919	6,557811108	3,999302971
0,480453014	1,206948961	8,669720902	0,76150001	2,040929577	3,234796846
1,206948961	1,921812056	8,974411855	1,523000021	3,291148289	4,152966758

92,36286344	40,17057746	41,90022019	60,01563671	49,20040897	35,13388521
10,26254038	4,463397495	4,655580021	6,668404079	5,466712108	3,903765023
1,409674642	0,286696539	0,390047981	0,587633337	-0,678382071	-0,317117793
			0,924348536	-0,914862656	-0,948310084

1*2	1*3	2*3	Y1^	res(ausil)	X1-X1^	
59,5543787	11,91087574		45	4,105096481	-0,134804567	-7,648595703
46,5857462	17,91759469		65	3,767921765	-0,184402827	-7,290004483
50,09264724	16,69754908		48	4,083725813	0,090661457	5,63375416
34,05770671	22,7051378		54	3,820159442	-0,035969808	-1,611480127
37,77385925	27,47189764		88	3,188551346	0,245435858	6,746732611
23,80838167	30,61077643		63	3,240789023	0,160408359	4,446123609
13,19528665	31,66868796		60	2,661418604	-0,022361274	-0,316584264
2,079441542	13,16979643		57	1,113265373	-0,420118192	-1,044282901
4,394449155	21,97224577		80	0,797461325	0,301150964	0,780101831

271,5418971	194,1245615		560	26,77838917	-3,11873E-08
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4,054127554	-6,861980397	-21,65432099	2,975376575		A1=
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x1(prev)	residui	res(mod)	res^2	lnx1
90,43974	-37,4397	37,43974	1401,734	4,504684
52,2757	-16,2757	16,2757	264,8985	3,956532
55,57735	9,422648	9,422648	88,78629	4,017776
28,93484	15,06516	15,06516	226,959	3,365046
30,20312	0,796883	0,796883	0,635022	3,407945
15,76481	14,23519	14,23519	202,6408	2,75778
8,408144	5,591856	5,591856	31,26885	2,129201
3,184953	-1,18495	1,184953	1,404115	1,158438
4,397288	-1,39729	1,397288	1,952414	1,480988

289,1859 -11,1859 101,4094 2220,279 26,77839 TORNA!!!

32,13177	-1,24288	11,26771	246,6977
		A1	A2
		11,26771	15,70661
		A1'	A2'
		0,364782	0,508487

mod(X1-X1^)	(X1-X1^)^2
7,648596	58,50102
7,290004	53,14417
5,633754	31,73919
1,61148	2,596868
6,746733	45,5184
4,446124	19,76802
0,316584	0,100226
1,044283	1,090527
0,780102	0,608559

35,51766 213,067

3,946407 23,67411
A2= 14,59681