`*We don't need no education…'.* Creative workers' returns to education and experience. The evidence from Australia

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Abstract

This paper uses unit record data from the Household, Income and Labour Dynamics in Australia (HILDA) Survey. The general sample (GS) for the analysis embraces 7340 individuals, who had any wage or salary in 2010. Then, the mapping methodology of Australian creative economy has been implemented to extract information on 455 workers belonging to a group of 27 creative occupations (creative sample – CS) out of GS. To compare differentiation of influence of human capital on the creative workers' hourly wage with the general population's returns to education and work experience, the quantile and OLS regressions (as a benchmark) have been used. Estimated models are based on the Mincer wage function. Results indicate that at the same level of schooling and experience the average hourly wage for women differs from men's hourly wage more among creative workers than in GS. Returns to education and to experience are similar in creative workers' population (6% on average), while among general population return to education is three times as large as to experience (10% and 3,5% respectively). Our research indicates, thus, that investment in creative workers' school education is less profitable than that for the others. Besides, the study shows a significant differentiation in profitability of investment to schooling and education among creative workers by sex. At each decile of hourly wage distribution women working in creative occupations gain lesser schooling returns than male creative workers. Also investment in male creative workers' experience is, on average, much more profitable than that for female creative workers. Interestingly, the classic Mincer wage model's goodness of fit is considerably lower for CS women than for CS men. It implies that the creative women's hourly wage is determined to a larger extent by other set of factors than years of education and work experience.

Keywords: creative workers, wage function, returns to schooling, returns to experience, gender differentials

JEL Classification: J24, J31, Z11.

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1. Introduction

Following research questions were formulated:

- Does the Mincer earnings function explain the differentiation of hourly wages of creative workers?
- What are the returns to education and work experience among creative workers and in the general population?
- What are the rates of returns to education and work experience for creative workers at each decile of hourly wage distribution?
- What are the returns to education and work experience among creative men and women?

The following hypotheses were formulated:

1. The Mincer earnings function explains the differentiation of hourly wages of creative workers.
2. The returns to education and work experience among creative workers and in the general population are different.
3. The higher decile of hourly wage distribution, the bigger rates of return to education for creative workers are.
4. The higher decile of hourly wage distribution, the lower rates of return to work experience for creative workers are.
5. The returns to work experience are higher for the creative men than women.
6. The returns to education are higher for the creative women than men.

2. Description of the samples

General sample (GS) consists of 7340 individuals.

Table. Structure of GS by sex and years of education

Sex_1male * Years of education									
			Years of education						Total
			11	12	13	15	16	18	
Sex_1male	,00	number	736	1328	360	696	286	180	3586
		% z Sex_1male	20,5%	37,0%	10,0%	19,4%	8,0%	5,0%	100,0%
		% z Years of education	49,4%	42,9%	53,8%	56,3%	58,5%	49,3%	48,9%
	1,00	number	753	1764	309	540	203	185	3754
		% z Sex_1male	20,1%	47,0%	8,2%	14,4%	5,4%	4,9%	100,0%
		% z Years of education	50,6%	57,1%	46,2%	43,7%	41,5%	50,7%	51,1%
Total		number	1489	3092	669	1236	489	365	7340
		% z Sex_1male	20,3%	42,1%	9,1%	16,8%	6,7%	5,0%	100,0%

	% z Years of education	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Table. Structure of GS by work experience (years)

N		7340
Mean		21,7904
Median		21,7500
Standard deviation		13,63180
Minimum		,08
Maximum		72,64
Percentile	10	3,9167
	20	7,5556
	30	11,6389
	40	16,8056
	50	21,7500
	60	26,0346
	70	30,7500
	80	34,7778
	90	39,8611

Table. Structure of GS by hourly wage (in AUD)

N		7340
Mean		29,8377
Median		25,0000
Standard deviation		31,54076
Minimum		,70
Maximum		1611,00
Percentile	10	14,9307
	20	17,9476
	30	20,0000
	40	22,3610
	50	25,0000
	60	28,0000
	70	32,2140
	80	37,9750
	90	46,6667

Creative sample (CS) consists of 455 individuals.

Codes for `Creative occupations' have been taken according to Higgs & Cunningham (2007, pp 34-36). The creative sample in our research embraces 27 creative occupations chosen at the 4-digit level (the most detailed level available in HILDA) of ANZSCO - Australian and New Zealand Standard Classification of Occupations 2006.

Table. Structure of CS by sex and years of education

Sex_1male * Years of education * Creative_occupation										
Creative_occupation				Years of education						Total
				11	12	13	15	16	18	
1	Sex_1male	,00	Number	20	42	20	63	17	22	184
			% z Sex_1male	10,9%	22,8%	10,9%	34,2%	9,2%	12,0%	100,0%
			% z Years of education	57,1%	34,4%	36,4%	39,1%	39,5%	56,4%	40,4%
		1,00	Number	15	80	35	98	26	17	271
			% z Sex_1male	5,5%	29,5%	12,9%	36,2%	9,6%	6,3%	100,0%
			% z Years of education	42,9%	65,6%	63,6%	60,9%	60,5%	43,6%	59,6%
	Total		Number	35	122	55	161	43	39	455
			% z Sex_1male	7,7%	26,8%	12,1%	35,4%	9,5%	8,6%	100,0%
			% z Years of education	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%	100,0%

Table. Structure of CS by work experience (years)

Mean	20,834
Median	19,694
Min.	0,75000
Max.	52,778
Standard dev.	11,927
Q3-Q1	19,908

Table. Structure of CS by hourly wage (in AUD)

Mean	35,428
Median	32,778
Min.	2,8571
Max.	239,67
Standard dev.	18,569
Q3-Q1	19,042

3. Results of estimation

3.1. Model specification

Dependent variable:

Y = ln (hourly wage)

The hourly wage has been calculated using the derived variables taken from HILDA dataset: Combined hours per week usually worked in all jobs, and Imputed current weekly gross wages & salary in all jobs.

Explanatory variables:

Sex_1male – a binary variable equals 1 for "Male", and 0 for "Female"
YoEDU – a variable showing years of schooling; it represents the highest level of education achieved. The levels have been recoded into years according to Melbourne Institute (responsible for HILDA survey) suggestion:

- Masters or doctorate – 18 years
- Graduate diploma or certificate – 16 years
- Bachelor of honours – 15 years
- Diploma – 13 years
- Certificate III or IV – 12 years
- Certificate I or II – 11 years
- Certificate not defined – 11 years
- Year 12 – 12 years
- Year 11 and below – 11

EXP – time in paid work since leaving full-time education – (years)
EXP_square – number of years of work experience squared

3.2. Estimations for the general population

3.2.1. General sample, male and female

Table. OLS estimation of hourly wage (ln) for the general population (N=7340)

Variable	Coefficient	SE	t	p-value	significance
const	1,58373	0,0398096	39,7825	<0,00001	***
EXP_square	−0,000471726	2,96645e-05	-15,9021	<0,00001	***
EXP	0,0284505	0,00144491	19,6902	<0,00001	***
YoEDU	0,0987124	0,00291477	33,8663	<0,00001	***
Sex_1male	0,13227	0,0111758	11,8354	<0,00001	***

Mean dependent var.	3,238836	S.D. dependent var.	0,536724
sum of squared residuals	1671,877	standard error of the residuals	0,477422
R-squared	0,209202	Pseudo-R-squared	0,208771
F(4, 7335)	485,1110	F test p-value	0,000000
Log-likelihood	−4985,641	AIC	9981,282
BIC	10015,79	HQC	9993,144

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the general population (N=7340)

Variable	τ	Coefficient	SE	t
const	0,100	1,27739	0,0660478	19,3404
	0,200	1,49876	0,0399853	37,4828
	0,300	1,59232	0,0380312	41,8688
	0,400	1,59743	0,0361284	44,2152
	0,500	1,58812	0,0365863	43,4075
	0,600	1,67512	0,0376477	44,4947
	0,700	1,73884	0,0399151	43,5634
	0,800	1,79302	0,0557284	32,1743
	0,900	1,81117	0,0527953	34,3055
EXP_square	0,100	-0,000759152	4,92161e-005	-15,4249
	0,200	-0,000467734	2,97954e-005	-15,6982
	0,300	-0,000435833	2,83393e-005	-15,3791
	0,400	-0,000439246	2,69214e-005	-16,3159
	0,500	-0,000429823	2,72626e-005	-15,7660
	0,600	-0,000427467	2,80535e-005	-15,2375
	0,700	-0,000448033	2,97431e-005	-15,0635
	0,800	-0,000466446	4,15265e-005	-11,2325
	0,900	-0,000388786	3,93409e-005	-9,88251
EXP	0,100	0,0393800	0,00239724	16,4272
	0,200	0,0271663	0,00145128	18,7188
	0,300	0,0260813	0,00138036	18,8945
	0,400	0,0262357	0,00131130	20,0074
	0,500	0,0263801	0,00132792	19,8658
	0,600	0,0266023	0,00136644	19,4683
	0,700	0,0279635	0,00144874	19,3020
	0,800	0,0300252	0,00202269	14,8442
	0,900	0,0281397	0,00191623	14,6849
YoEDU	0,100	0,0822145	0,00483586	17,0010
	0,200	0,0863542	0,00292763	29,4963
	0,300	0,0874685	0,00278456	31,4120
	0,400	0,0937039	0,00264524	35,4236
	0,500	0,0999451	0,00267876	37,3102
	0,600	0,0992404	0,00275648	36,0026
	0,700	0,0993630	0,00292249	33,9994
	0,800	0,102407	0,00408031	25,0978
	0,900	0,114253	0,00386555	29,5569
Sex_1male	0,100	0,0874334	0,0185417	4,71549
	0,200	0,0846292	0,0112252	7,53925

	0,300	0,100355	0,0106766	9,39953
	0,400	0,112492	0,0101424	11,0913
	0,500	0,127214	0,0102710	12,3858
	0,600	0,136677	0,0105689	12,9320
	0,700	0,170271	0,0112055	15,1954
	0,800	0,185933	0,0156448	11,8847
	0,900	0,201840	0,0148213	13,6182

Median (lnY)= 3,218876, standard dev. (lnY) = 0,536724

3.2.2. General sample, male only

Table. OLS estimation of hourly wage (ln) for the general population, male only (N=3754)

Variable	Coefficient	SE	t	p-value	significance
Const	1,58892	0,0562761	28,2343	<0,00001	***
YoEDU	0,10291	0,00428514	24,0155	<0,00001	***
EXP	0,0350238	0,0020704	16,9164	<0,00001	***
EXP_square	−0,000577298	4,19938e-05	-13,7472	<0,00001	***

Mean dependent var.	3,289304	S.D. dependent var.	0,554631
sum of squared residuals	893,9528	standard error of the residuals	0,488249
R-squared	0,225668	Pseudo-R-squared	0,225049
F(4, 7335)	364,2947	F test p-value	1,3e-207
Log-likelihood	−2633,343	AIC	5274,685
BIC	5299,607	HQC	5283,548

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the general population, male only (N=3754)

Variable	τ	Coefficient	SE	t
const	0,100	1,38821	0,0890888	15,5823
	0,200	1,48768	0,0644786	23,0725
	0,300	1,60175	0,0581384	27,5506
	0,400	1,61074	0,0551582	29,2022
	0,500	1,58787	0,0496911	31,9549
	0,600	1,65955	0,0555858	29,8557
	0,700	1,74659	0,0675749	25,8468
	0,800	1,78566	0,0763219	23,3965
	0,900	1,84470	0,0777247	23,7338
YoEDU	0,100	0,0753020	0,00678366	11,1005
	0,200	0,0889256	0,00490972	18,1122
	0,300	0,0900991	0,00442694	20,3524
	0,400	0,0963750	0,00420002	22,9463
	0,500	0,105621	0,00378373	27,9146
	0,600	0,105573	0,00423258	24,9430
	0,700	0,106524	0,00514548	20,7023

	0,800	0,111659	0,00581153	19,2134
	0,900	0,123692	0,00591834	20,8999
EXP	0,100	0,0455811	0,00327758	13,9069
	0,200	0,0338513	0,00237217	14,2702
	0,300	0,0317691	0,00213891	14,8529
	0,400	0,0315287	0,00202927	15,5369
	0,500	0,0314665	0,00182814	17,2123
	0,600	0,0333316	0,00204501	16,2990
	0,700	0,0347508	0,00248608	13,9781
	0,800	0,0370230	0,00280789	13,1854
	0,900	0,0324068	0,00285949	11,3330
EXP_square	0,100	-0,000864357	6,64789e-005	-13,0020
	0,200	-0,000589047	4,81146e-005	-12,2426
	0,300	-0,000533987	4,33834e-005	-12,3085
	0,400	-0,000516008	4,11596e-005	-12,5368
	0,500	-0,000512253	3,70800e-005	-13,8148
	0,600	-0,000537939	4,14787e-005	-12,9691
	0,700	-0,000557108	5,04250e-005	-11,0483
	0,800	-0,000577397	5,69521e-005	-10,1383
	0,900	-0,000451973	5,79989e-005	-7,79279

Median (lnY)= 3,267666 standard dev. (lnY) = 0,554631

3.2.3. General sample, female only

Table. OLS estimation of hourly wage (ln) for the general population, female only (N=3586)

Variable	Coefficient	SE	t	p-value	significance
const	1,72008	0,0538482	31,9430	<0,00001	***
YoEDU	0,0939562	0,00394989	23,7870	<0,00001	***
EXP	0,0219027	0,00200741	10,9109	<0,00001	***
EXP_square	−0,000367461	4,17535e-05	-8,8007	<0,00001	***

Mean dependent var.	3,186005	S.D. dependent var.	0,512089
sum of squared residuals	770,2735	standard error of the residuals	0,463724
R-squared	0,180658	Pseudo-R-squared	0,179972
F(4, 7335)	263,2673	F test p-value	2,1e-154
Log-likelihood	−2330,595	AIC	4669,191
BIC	4693,930	HQC	4678,009

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the general population, female only (N=3586)

Variable	τ	Coefficient	SE	t
const	0,100	1,34622	0,0927451	14,5153
	0,200	1,57030	0,0593428	26,4616
	0,300	1,69655	0,0442863	38,3087
	0,400	1,67410	0,0467720	35,7927
	0,500	1,72001	0,0466297	36,8867
	0,600	1,78197	0,0469630	37,9440
	0,700	1,85774	0,0537656	34,5525
	0,800	2,02060	0,0572375	35,3021
	0,900	2,24631	0,0853511	26,3184
YoEDU	0,100	0,0846560	0,00680307	12,4438
	0,200	0,0844363	0,00435293	19,3976
	0,300	0,0838399	0,00324851	25,8087
	0,400	0,0914495	0,00343083	26,6552
	0,500	0,0938426	0,00342039	27,4362
	0,600	0,0950596	0,00344484	27,5948
	0,700	0,0941462	0,00394383	23,8717
	0,800	0,0930572	0,00419850	22,1644
	0,900	0,0884869	0,00626070	14,1337
EXP	0,100	0,0287798	0,00345745	8,32401
	0,200	0,0221570	0,00221224	10,0156
	0,300	0,0208220	0,00165095	12,6121
	0,400	0,0219909	0,00174362	12,6122
	0,500	0,0211613	0,00173831	12,1735
	0,600	0,0217149	0,00175074	12,4033
	0,700	0,0233642	0,00200433	11,6568
	0,800	0,0219455	0,00213376	10,2849
	0,900	0,0199122	0,00318181	6,25814
EXP_square	0,100	-0,000546485	7,19139e-005	-7,59916
	0,200	-0,000365581	4,60140e-005	-7,94499
	0,300	-0,000346680	3,43393e-005	-10,0957
	0,400	-0,000372835	3,62667e-005	-10,2804
	0,500	-0,000341474	3,61563e-005	-9,44439
	0,600	-0,000350579	3,64148e-005	-9,62739
	0,700	-0,000374514	4,16895e-005	-8,98342
	0,800	-0,000353909	4,43815e-005	-7,97424
	0,900	-0,000267871	6,61806e-005	-4,04758

Median (lnY)= 3,164758 standard dev. (lnY)= 0,512089

3.3. Estimations for the creative workers

3.3.1. Creative workers' sample, male and female

Table. OLS estimation of hourly wage (ln) for the creative sample, male and female (N=455)

Variable	Coefficient	SE	t	p-value	significance
const	2,19436	0,158777	13,8204	<0,00001	***
YoEDU	0,0599269	0,0107941	5,5518	<0,00001	***
EXP	0,0451234	0,00708609	6,3679	<0,00001	***
EXP_square	−0,00090081	0,000149661	-6,0190	<0,00001	***

Mean dependent var.	3,454454	S.D. dependent var.	0,493217
sum of squared residuals	93,10991	standard error of the residuals	0,454370
R-squared	0,156930	Pseudo-R-squared	0,151322
F(4, 7335)	27,98329	F test p-value	1,30e-16
Log-likelihood	−284,6845	AIC	577,3689
BIC	593,8501	HQC	583,8618

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the creative sample (N=455)

Variable	τ	Coefficient	SE	t
const	0,100	1,91134	0,210068	9,09864
	0,200	1,72620	0,195041	8,85045
	0,300	1,92706	0,160573	12,0011
	0,400	2,02666	0,186949	10,8407
	0,500	2,03662	0,179092	11,3720
	0,600	2,24821	0,135683	16,5695
	0,700	2,42632	0,127271	19,0641
	0,800	2,33753	0,119934	19,4902
	0,900	2,44207	0,162269	15,0495
YoEDU	0,100	0,0564199	0,0140752	4,00846
	0,200	0,0746696	0,0130683	5,71379
	0,300	0,0645018	0,0107589	5,99520
	0,400	0,0633564	0,0125262	5,05793
	0,500	0,0665483	0,0119997	5,54583
	0,600	0,0561752	0,00909120	6,17907
	0,700	0,0471023	0,00852757	5,52354
	0,800	0,0580222	0,00803592	7,22036
	0,900	0,0571979	0,0108725	5,26077
EXP	0,100	0,0298650	0,00925424	3,22717
	0,200	0,0319068	0,00859223	3,71345
	0,300	0,0363257	0,00707382	5,13523
	0,400	0,0385305	0,00823578	4,67843
	0,500	0,0414270	0,00788963	5,25082

	0,600	0,0461479	0,00597733	7,72049
	0,700	0,0516589	0,00560676	9,21370
	0,800	0,0533335	0,00528350	10,0943
	0,900	0,0577898	0,00714854	8,08414
EXP_square	0,100	-0,000619131	0,000195281	-3,17047
	0,200	-0,000663167	0,000181311	-3,65762
	0,300	-0,000695995	0,000149270	-4,66265
	0,400	-0,000721365	0,000173789	-4,15080
	0,500	-0,000774597	0,000166485	-4,65266
	0,600	-0,000869535	0,000126132	-6,89383
	0,700	-0,00100290	0,000118312	-8,47669
	0,800	-0,00105619	0,000111491	-9,47327
	0,900	-0,00113910	0,000150847	-7,55135
Sex_1male	0,100	0,0555345	0,0567873	0,977939
	0,200	0,173660	0,0527250	3,29370
	0,300	0,166368	0,0434075	3,83271
	0,400	0,122049	0,0505376	2,41502
	0,500	0,157591	0,0484135	3,25510
	0,600	0,142105	0,0366790	3,87428
	0,700	0,145907	0,0344050	4,24086
	0,800	0,191218	0,0324214	5,89790
	0,900	0,209945	0,0438659	4,78606

Median (lnY)= 3,489751 standard dev. (lnY)= 0,493217

3.3.2. Creative workers' sample, male only

Table. OLS estimation of hourly wage (ln) for the creative sample, male only (N=271)

Variable	Coefficient	SE	t	p-value	significance
const	2,08128	0,200464	10,3823	<0,00001	***
YoEDU	0,0668786	0,0137107	4,8778	<0,00001	***
EXP	0,05805	0,00848688	6,8400	<0,00001	***
EXP_square	−0,00121848	0,000181079	-6,7290	<0,00001	***

Mean dependent var.	3,529645	S.D. dependent var.	0,478295
sum of squared residuals	47,62768	standard error of the residuals	0,422352
R-squared	0,228912	Pseudo-R-squared	0,220248
F(4, 7335)	26,42130	F test p-value	5,37e-15
Log-likelihood	−148,9378	AIC	305,8757
BIC	320,2842	HQC	311,6608

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the creative sample, male only (N=271)

Variable	τ	Coefficient	SE	t
const	0,100	1,15746	0,231488	5,00010
	0,200	1,63878	0,179447	9,13238
	0,300	1,79152	0,220820	8,11303
	0,400	1,87928	0,242072	7,76331
	0,500	2,11828	0,265552	7,97688
	0,600	2,35704	0,199171	11,8343
	0,700	2,42100	0,197625	12,2504
	0,800	2,45292	0,201428	12,1777
	0,900	2,68315	0,235920	11,3731
YoEDU	0,100	0,0897773	0,0158325	5,67043
	0,200	0,0906756	0,0122733	7,38806
	0,300	0,0814881	0,0151030	5,39551
	0,400	0,0794004	0,0165565	4,79573
	0,500	0,0736633	0,0181624	4,05582
	0,600	0,0592706	0,0136222	4,35102
	0,700	0,0564360	0,0135166	4,17532
	0,800	0,0631528	0,0137766	4,58406
	0,900	0,0543346	0,0161357	3,36735
EXP	0,100	0,0665487	0,00980031	6,79047
	0,200	0,0407963	0,00759713	5,36997
	0,300	0,0438244	0,00934869	4,68776
	0,400	0,0466450	0,0102484	4,55143
	0,500	0,0403858	0,0112425	3,59225
	0,600	0,0458847	0,00843213	5,44165
	0,700	0,0540538	0,00836671	6,46058
	0,800	0,0568201	0,00852769	6,66301
	0,900	0,0597900	0,00998796	5,98621
EXP_square	0,100	-0,00134064	0,000209103	-6,41141
	0,200	-0,000902208	0,000162095	-5,56592
	0,300	-0,000881018	0,000199467	-4,41686
	0,400	-0,000916561	0,000218664	-4,19164
	0,500	-0,000771503	0,000239873	-3,21630
	0,600	-0,000869510	0,000179911	-4,83301
	0,700	-0,00104623	0,000178515	-5,86076
	0,800	-0,00117653	0,000181950	-6,46623
	0,900	-0,00117879	0,000213106	-5,53147

Median (lnY)= 3,555348 standard dev. (lnY)= 0,478295

3.3.3. Creative workers' sample, female only

Table. OLS estimation of hourly wage (ln) for the creative sample, female only (N=184)

Variable	Coefficient	SE	t	p-value	significance
const	2,24162	0,246031	9,1111	<0,00001	***
YoEDU	0,062817	0,0166681	3,7687	0,00022	***
EXP	0,0204445	0,0118241	1,7291	0,08551	*
EXP_square	−0,000352984	0,00024629	-1,4332	0,15353	

Mean dependent var.	3,343711	S.D. dependent var.	0,495256
sum of squared residuals	40,21249	standard error of the residuals	0,472655
R-squared	0,104120	Pseudo-R-squared	0,089188
F(4, 7335)	6,973233	F test p-value	0,000183
Log-likelihood	−121,1749	AIC	250,3499
BIC	263,2096	HQC	255,5621

Table. Quantile regression (deciles) estimation of hourly wage (ln) for the creative sample, female only (N=184)

Variable	τ	Coefficient	SE	t
const	0,100	1,99125	0,277800	7,16793
	0,200	1,91888	0,185489	10,3450
	0,300	2,21581	0,239661	9,24557
	0,400	2,35598	0,215819	10,9165
	0,500	2,44033	0,272087	8,96892
	0,600	2,29029	0,248180	9,22833
	0,700	2,48074	0,127743	19,4197
	0,800	2,55165	0,125287	20,3664
	0,900	2,86014	0,237599	12,0377
YoEDU	0,100	0,0605578	0,0188204	3,21766
	0,200	0,0687797	0,0125665	5,47325
	0,300	0,0517885	0,0162366	3,18962
	0,400	0,0413563	0,0146214	2,82849
	0,500	0,0395889	0,0184334	2,14767
	0,600	0,0499614	0,0168137	2,97147
	0,700	0,0394111	0,00865436	4,55390
	0,800	0,0421367	0,00848795	4,96430
	0,900	0,0410236	0,0160969	2,54855
EXP	0,100	0,00249371	0,0133509	0,186783
	0,200	0,0141977	0,00891446	1,59266
	0,300	0,0233001	0,0115179	2,02294
	0,400	0,0363610	0,0103721	3,50565
	0,500	0,0412056	0,0130763	3,15117
	0,600	0,0513749	0,0119273	4,30732
	0,700	0,0572215	0,00613925	9,32061

	0,800	0,0530721	0,00602119	8,81422
	0,900	0,0345441	0,0114188	3,02519
EXP_square	0,100	4,64034e-006	0,000278092	0,0166863
	0,200	-0,000195742	0,000185684	-1,05417
	0,300	-0,000386418	0,000239913	-1,61066
	0,400	-0,000671258	0,000216046	-3,10701
	0,500	-0,000780087	0,000272373	-2,86404
	0,600	-0,000974094	0,000248441	-3,92083
	0,700	-0,00112149	0,000127878	-8,77006
	0,800	-0,00102761	0,000125419	-8,19344
	0,900	-0,000658490	0,000237848	-2,76853

Median (lnY)= 3,359507 standard dev.(lnY)= 0,4952

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