

ECUACION BASICA DE MINCER

Ecuación original de Mincer (1974)

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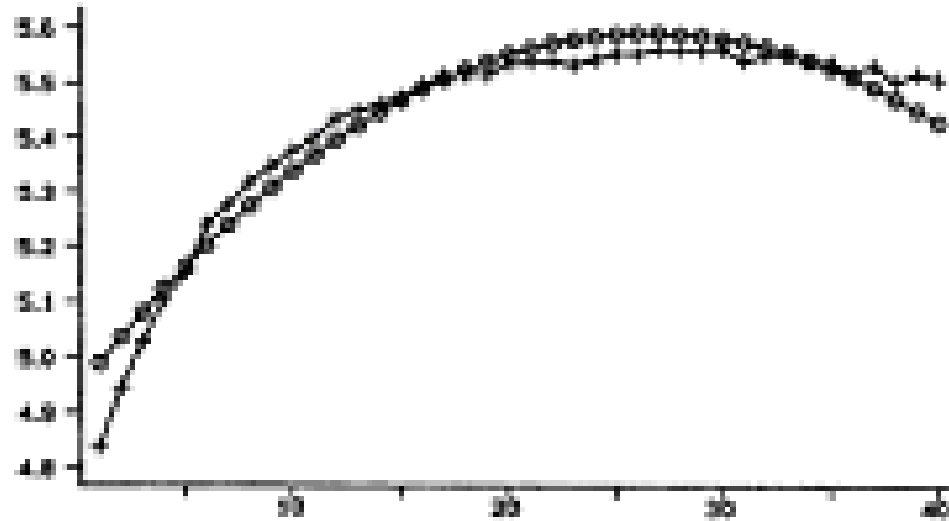
R. J. Willis

The standard human capital earnings function developed by Mincer (1974) is of the form

$$\ln y = \beta_0 + \beta_1 s + \beta_2 x + \beta_3 x^2 + u.$$

The schooling coefficient, β_1 , provides an estimate of the rate of return to education which is assumed to be constant in this specification. The concavity of the observed earnings profile is captured by the quadratic experience terms, x and x^2 , whose coefficients, β_2 and β_3 , are respectively positive and negative. Since early data sources such as Census data did not record a worker's actual labor force experience, a transformation of the worker's age was used as a proxy for his experience. Mincer uses the transformation $x = a - s - 6$, which assumes that a worker begins full-time work immediately after completing his education and that the age of school completion is $s + 6$. As an empirical tool, the Mincer earnings function has been one of the great success stories of modern labor

¿ Porqué la ecuación tiene esta forma particular?



Murphy y Welch, 1990: mejor fit, frente a otras alternativas

Estimación de Psacharopoulos de Ecuación Básica de Mincer

Ojo: sesgo

ANNEX 3. BASIC EARNINGS FUNCTIONS

Chile 1989

Variable	Entire Sample	Gender		Sector	
		Males	Females	Private	Public
Years of Schooling (S)	0.120	0.121	0.132	0.114	0.112
Experience (EX)	0.042	0.048	0.029	0.041	0.029
Experience-squared (EX ²)	-0.0004	-0.0005	-0.0002	-0.0004	-0.0002
Log Hours (H) Worked	0.885	0.768	0.753	0.918	0.660
Constant Term	5.189	5.652	5.487	5.104	6.418
R ²	0.40	0.39	0.45	0.37	0.29
N	37,679	26,823	10,856	33,794	3,885
<u>Means</u>					
Earnings (Y)	40,275	43,878	31,373	38,232	58,044
S	8.5	8.2	9.4	8.1	12.3
EX	21	22	20	22	20
H	47	48	44	48	43
Var (Ln Y)	0.638	0.591	0.692	0.629	0.423

Source: Programa Integrado de Encuestas de Hogares (PIDEH)
Encuesta Nacional del Empleo, IV Trimestre, 1989

Notes: The earnings variable (Y) is in pesos per month.

H is the weekly hours worked.

All coefficients are statistically significant at the 5% level or better

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