



Xt leads to ta.

When this parameter increases, that means the child can achieve same level of productivity as before, but with less education.

Therefore the parent needs less about quality for the child.

S. P. leads to & Qi

di + 1 Q;

When the tate inneases, that nears the parent gets happier with the child's productivity level easier, so the parent's attitive level can be achieved with smaller productivity of the child, so the child down't require as much quality as before.

That unaborred characteristics will influenced the confficient of education and or the Yi , so we would get overestimations or underestimations. Intend we can do an IV regionsor, by doing so, we calculate the impact of school quality separately from other variables on the log earnings, because we expect no corelation letwern the instrument variable and the controls. Therefore I would recommend an IV with Qi as the instrument.

	(2) lov, D=025
	noderal, D-1 ->.5
	high , D=2, ->. 25.
	Uitw, D) = w-0:02 wis way. Die nich, Os is preference towards nich.
	0;=1 -,5 0;=4 -,5.
3754	@ Workers with O; = 4 are more ush averse, because they have smaller
	preference toward anjuny ind and therefore derive less utility from it:
	(b) U; (w, 0) = W0 - 0 U; (w, 0) = U0
	$U_{i}(\omega, 1) = \omega_{1} - 1$ $U_{i}(\omega, 1) = \omega_{1} - 4$
	U; (W, 2)= W2-40 U; (W, 2)= W2-160
	Da = Wa. Q.
	D1= W1- Q
	Do= Wo. Q
	. 25 Wo Q + . 5 WAQ + . 25 W2 Q = . 23 M
	Q (Wo+W1+W2) = .5Q (Wo+W2+W2-5)+,5Q(W0+W1+W2-20).
	the workers must be divided such that the sum of utility from
	the rish artise is the same as the less rish artise across all jobs.

( Q Q - Q' 25 Q'. Wo + 5Q' W1 + 25Q' W2 + . D'Q0, W0 + ,5Q0, W1 + . 35Q0, W1 + . 25 Q0, W . (4-cW)25. + (25-10)2. + (6W)25. = 1025. + 102. + 0W25. the quality of firms for each type must be the same as the quality of labor D W1 - W0 =

Q then we would have more workers from type O;=4 on redium rish, while the quantity of workers from type O;=1 on redium companies would decease

Dethey would change that if the wage difference from W1-W0 was bigger than 3, because that way there wage from safety measures we would follow: W0 < W5 < W1, so it would be been to employ workers. I hat would increase the W0, which in turn would head to more workers desiring that position, specially from the rish arease group, while the other wages would remain the same. If the change of wage from W1 to W5 is valued by the companies then the slave of "low rish" will increase, as well as the number of workers leaving "nedium" who didn't adapt to those

3 It follows the same idea, but now it depends on whether the Wy-Wo > 5, to make it worth for medium firms.