Labor Income Prediction
Predicting Income

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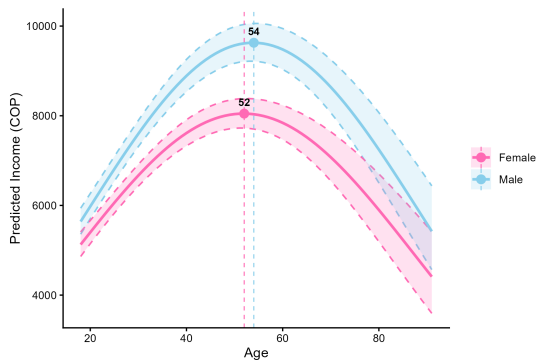2026-02-18

Research Question

¿How does wage vary with age in Bogota?

In Bogota, wages tend to increase with age until a mid-life point and then decrease.

Data

Results

Figure 1: Income Profile by Sex and Age

Results

| | Log Wage | Residual (Wage) | |
	(1)	(2)	(3)
Constant	14.0***	1.7×10^{-17}	
	(0.010)	(0.005)	
factor(sex)Female	-0.238***		
	(0.015)		
Residual (Female)		-0.267***	-0.267***
		(0.012)	(0.012)
Controles laborales	NO	SI	SI
Controles de cuidado	NO	NO	SI
Observations	14,764	14,764	14,764
R-squared	0.01756	0.03178	0.03172
Adjusted R-squared	0.01749	0.03172	0.03172
Root Mean Squared Error	0.88850	0.66882	0.66882

Labor controls: age, age^2, educational attainment, employment relationship, occupation, and firm size.
Care controls: number of minors in the household and number of inactive elderly members.
Column (1) reports the baseline model; column (2) adds labor controls; column (3) adds care controls.

Discussion