Activity: Equity Implications of Taxation Econ 308

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1 Gruber 19.4: Computing Tax Incidence

The demand for football tickets is D(P) = 360 - 10P and the supply of football tickets is S(P) = 20P. Calculate the gross price paid by consumers after a per-ticket tax of \$4. Calculate the after-tax price received by ticket sellers.

$$360 - 10(P+4) = 20P$$

$$320 - 10P = 20P$$

$$6 = \frac{3^{2}}{3}$$

$$6 = \frac{44}{3}$$

2 Gruber 19.7: Tax Incidence Factors

You have determined that producers, rather than consumers, will bear the lion's share of the burden associated with a new tax. How does the elasticity of labor supply influence whether this tax burden will, in turn, be borne more by workers or more by property owners?

Subar Supply inclustic > More incidence on westers

Labor Supply classic > more incidence on landowners

Incidence of US Federal Taxes 3

The Congressional Budget Office (CBO) analysis considers the incidence of the full set of taxes levied by the *federal* government. The CBO assumes that:

- Individual Income taxes are borne fully by the households that pay them.
- Payroll taxes (i.e., Social Security and Medicare taxes) are borne fully by workers, regardless of whether these taxes are paid by the workers or by the firm.
- Excise taxes (e.g., gas, alcohol, tobacco taxes) are fully shifted to consumer prices and so are borne by individuals in proportion to their consumption of the taxed item.
- Corporate taxes are borne by both workers and owners of capital (but more so for the latter). Note: This is subject to debate.
- a. What do these assumptions imply for what the CBO must think about the relative elasticities for supply and demand in the labor market? In the markets for goods subject to excise taxes? And the relative elasticities for the supply of labor and capital to the corporate sector?

FET: bully relast Clabor supply

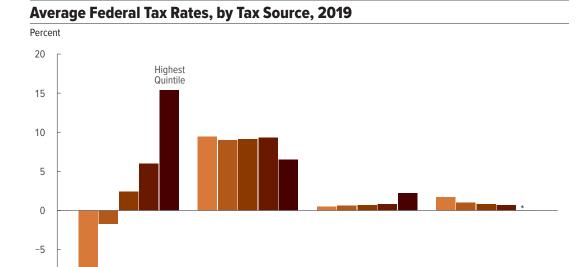
Payrol; bully relate labor duply

CXCDE; fully relate consumer demand

Carporale; relatively relate capital, relatively clastic

labor.

b. The results of the CBO analysis are pictured below. Which federal taxes are progressive, regressive, and neutral?



Corporate Income Taxes

Excise Taxes

Payroll Taxes

Individual Income Taxes

Parrollin reutral

Size: regressive

Lowest Quintile

-10

-15