

R documentation

of 'taxsim9.Rd'

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taxsim9

NBER Tax Simulator v. 9.0

Description

A NBER Package for calculating US and State Tax Returns.

Usage

```
taxsim9(datafr, mtr = 11, detail = 0, optiontax1 = 0,  
optiontaxvalue = 0)
```

Arguments

datafr A vector, dataframe or matrix which is composed of either headers and data or just data and stores information for each individual on relevant financial and family information for tax code. Values not entered are assumed to be 0. Possible data fields (not including headers, which should be specified as variable names below) for individuals include:

taxsimid: Case ID

year: Tax year between 1960 and 2012

state: State, 0 or 1 to 51 in alphabetical order

mstat: Marital Status,

1: Unmarried

2: Married

3: Head of household (single with dependent)

8: Taxpaying dependent

depex: Dependent exemptions

age: Age of primary taxpayer times 100 plus age of second taxpayer if relevant

pwages: Wage income of Primary Taxpayer

swages: Wage income of spouse

dividends: Dividend income

otherprop: Other property income

pensions: Taxable Pensions

	gssi: Gross Social Security Benefits
	transfers: Non-taxable transfer income
	rentpaid: Rent paid on property
	proptax: Real estate tax paid
	otheritem: Other itemized deductions
	childcare: Childcare expenses
	ui: Unemployment Compensation
	depchild: Number of dependents under age 17
	mortgage: Other mortgage deductions
	lctg: Long-term Capital Gain or Loss
	stcg: Short-term Capital Gain or Loss
mtr	Marginal tax rate calculation. Options available are 11 Wages 70 Long-Term Capital Gains 85 Primary Wage Earner 86 Secondary wage earner
detail	Detail determines level of detail that the output will return. Options are: 0 Standard 2 Full variables 8 Full with text description
optiontax1	Together with optiontaxvalue jointly specify the tax plan chosen. The option number is represented by optiontax1. For example, choosing 50, 1 will suppress AMT.
optiontaxvalue	Together with optiontax1 jointly specify the tax plan chosen. The parameter is represented by optiontaxvalue. For example, choosing 50, 1 will suppress AMT.

Value

Returns a dataframe containing the following results (with column names taking on acronyms listed):

taxsimid Case ID

year Year

state State

fiitax Federal income tax liability... including capital gains rates surtaxes, AMT, and refundable/nonrefundable taxcredits

fica FICA

frate Federal Marginal Rate

srate State Marginal Rate

ficar Fica Rate

If detailed results are requested the following results are also added:

fagi Federal AGI

uiagi UI in AGI

ssagi Social Security in AGI

zba Zero Bracket Amount
persex Personal Exemptions
exphase Exemption Phaseout
dphase Deduction Phaseout
dallow Deductions Allowed
fti Federal Taxable Income
taxti Tax on Taxable Income
exsur Exemption Surtax
gencred General Tax Credit
ctcred Child Tax Credit
accred Additional Child Tax Credit
cccred Child Care Credit
eic Earned Income Credit
iamt Income for Alternative Minimum Tax
amtliab AMT Liability after credit for regular tax
fitcred Federal Income Tax Before Credits
fica FICA

Finally, if a state is specified, we also return the following state-specific results:

shi State Household Income
srp State Rent Payments
sagi State AGI
sea State Exemption Amount
ssd State Standard Deduction
sid State Itemized Deductions
sti State Taxable Income
sptc State Property Tax Credit
sccc State Child Care Credit
seic State EIC
stc State Total Credits
sbr State Bracket Rate

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See Also

<http://users.nber.org/~taxsim/>

Examples

```

taxsim9(c("year", "mstat", "ltcg", 1970, 2, 100000))
taxsim9(datafr=matrix(c("year", "mstat", "ltcg", 1970, 2, 100000), ncol=3, byrow=TRUE))
taxsim9(c(25, 1970, 0, 1, 0, 0, 100000, rep(0, 15)))
taxsim9(datafr=c("mstat", "ltcg", "year", 2, 100000, 1970), detail=2)

```

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