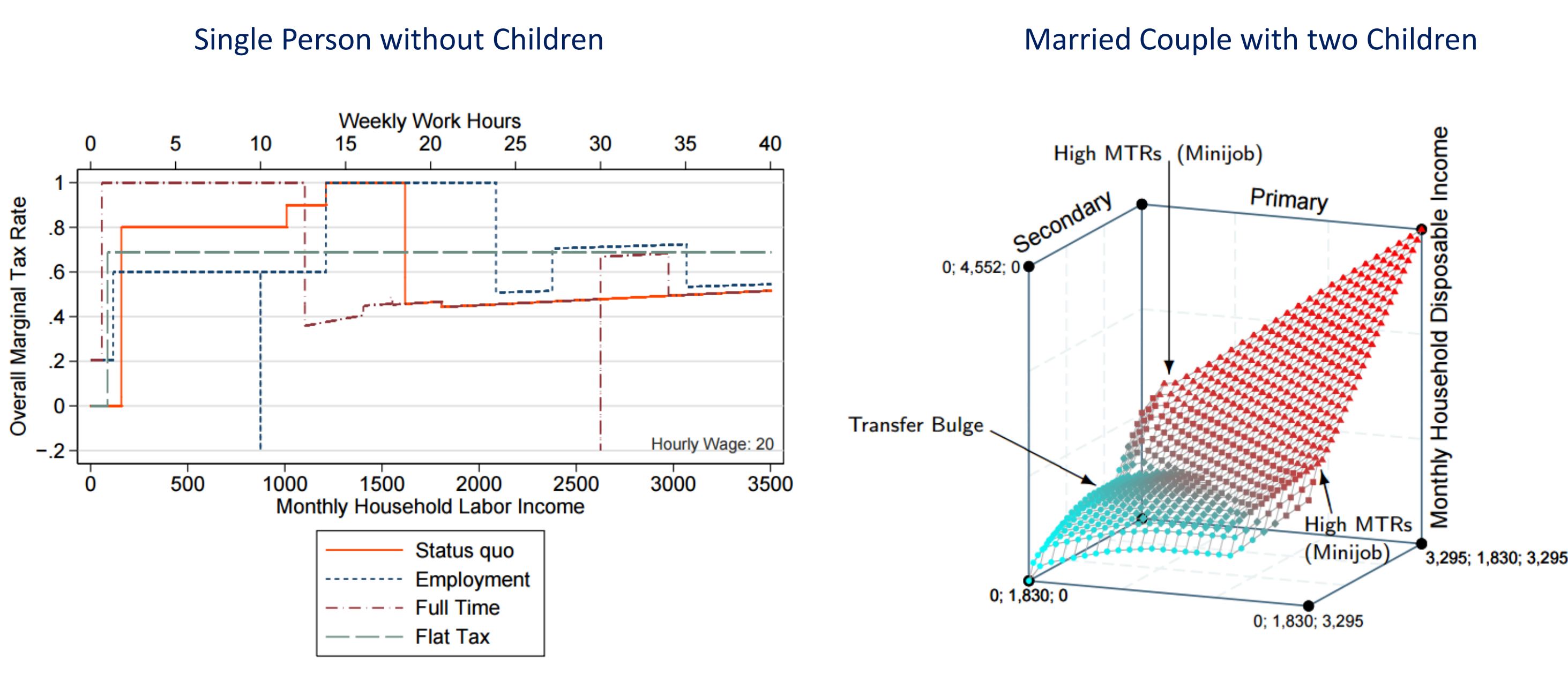


Getting the Poor to Work:

Three Welfare Increasing Reforms for a Busy Germany (FU Berlin Discussion Paper No. 2015/22)

| Three Reform Scenarios | | | Labor Supply Effects | | | | | | | | | |
|--|---|---|---|-----------------|--------|------------------|-----------------|---------|------------------------------|-----------------|-------|------|
| Employment | Full-Time | Basic Income/Flat Tax | Employment | | | Full-Time | | | Basic Income/Flat Tax | | | |
| No Change | No Change | - | Women | Men | Total | Women | Men | Total | Women | Men | Total | |
| increasing MTR from 0.21 | No Change | - | Changes in Hours Worked (in Percent) | | | | | | | | | |
| increasing MTR from 0.245 | No Change | - | <i>Deciles of Net Equivalence Income</i> | | | | | | | | | |
| From 13,470 | | | 1st | -0.0 | 0.8 | 0.3 | -0.7 | 3.8 | 0.9 | -0.1 | 4.1 | 1.4 |
| No Change | No Change | MTR of 0.6885 | 2nd | -0.4 | -0.2 | -0.3 | -0.1 | 0.0 | -0.0 | -2.5 | -0.1 | -1.5 |
| No Change | No Change | - | 3rd | -1.1 | -0.7 | -0.9 | -0.8 | 0.1 | -0.4 | -7.2 | -0.7 | -1.4 |
| No Change | No Change | Basic income of 800 Euro/month | 4th | -3.2 | -0.1 | -1.7 | 0.1 | 0.0 | 0.1 | -3.2 | -0.9 | -2.0 |
| No Change | No Change | 380 Euro/month for children | 5th | -1.7 | -0.2 | -0.9 | -0.2 | -0.1 | -0.0 | -7.2 | -2.3 | -4.7 |
| MWR of 0.6 up to income of 1,200 Euro (1,500 Euro with children in household) | | MWR of 0.6885 | 6th | -4.8 | -0.2 | -2.4 | -0.2 | 0.0 | -0.1 | -9.2 | -4.0 | -6.5 |
| MWR of 1 afterwards | MWR of 1 | (All other transfers for people under 65 are abolished) | 7th | -2.3 | -0.9 | -1.6 | 0.5 | -0.1 | 0.2 | -10.0 | -1.6 | -5.6 |
| Subsidy of 1,560 Euro/year for people working at least 10 h/week | Subsidy of 1,560 Euro/year for people working at least 10 h/week | - | 8th | -0.7 | -0.6 | -0.7 | 0.0 | 0.0 | 0.0 | -13.4 | -3.0 | -8.1 |
| Withdrawn at rate of 0.19 from 28,250 Euro/year | Withdrawn at rate of 0.19 from 28,250 Euro/year | Note: MWR – Marginal Withdrawal Rate MTR – Marginal Tax Rate | 9th | -0.6 | -0.1 | -0.3 | -0.1 | -0.1 | -0.1 | -9.1 | -2.6 | -5.4 |
| | | | 10th | -1.7 | -0.2 | -0.8 | -0.0 | 0.0 | -0.0 | -12.0 | -5.1 | -8.0 |
| | | | All Households | -1.7 | -0.3 | -1.0 | -0.1 | 0.2 | 0.0 | -7.7 | -2.2 | -4.9 |
| Incentives and Budget Constraints | | | Income and Welfare Effects | | | | | | | | | |
|  | | | Employment | | | Full-Time | | | Basic Income/Flat Tax | | | |
| | | | Income Change | Comp. Variation | | Income Change | Comp. Variation | | Income Change | Comp. Variation | | |
| | | | <i>Deciles of Net Equivalence Income</i> | | | | | | | | | |
| | | | 1st | 1,943 | 1,920 | 229 | 98 | 4,296 | 4,210 | | | |
| | | | 2nd | 1,558 | 1,600 | 515 | 511 | 4,065 | 4,078 | | | |
| | | | 3rd | 941 | 992 | 741 | 747 | 2,941 | 3,330 | | | |
| | | | 4th | 389 | 613 | 750 | 805 | 2,178 | 2,561 | | | |
| | | | 5th | -73 | 134 | 613 | 696 | 1,067 | 1,830 | | | |
| | | | 6th | -852 | -294 | 459 | 543 | -48 | 1,165 | | | |
| | | | 7th | -928 | -498 | 424 | 463 | -948 | 48 | | | |
| | | | 8th | -1,137 | -885 | 348 | 375 | -2,822 | -998 | | | |
| | | | 9th | -1,418 | -1,215 | 242 | 264 | -4,531 | -2,827 | | | |
| | | | 10th | -2,209 | -1,515 | 117 | 228 | -10,387 | -6,715 | | | |
| | | | All Households | -182 | 81 | 444 | 473 | -423 | 662 | | | |
| Structural Labor Supply Model | | | Conclusions | | | | | | | | | |
| <p>A discrete choice model of weekly working hours (van Soest 1995)</p> <ul style="list-style-type: none"> Data from the Socioeconomic Panel (SOEP) Wages from a wage regression with selection correction (Heckman 1979) Net incomes from the microsimulation model STSM (Steiner et al. 2012) Couples maximize joint utility in leisure and consumption by choosing hours category (e.g., wife works in a mini-job, husband works full-time): $\max_{L_{fij}, L_{mij}} V_{ij} = U(C_{ij}, L_{fij}, L_{mij}, X_i) + \varepsilon_{ij}$ <p>with: L_{fij} leisure of the female partner in household i in hours category j, L_{mij} leisure of the male partner, C_{ij} consumption, ε_{ij} iid random disturbance from the Gumbel distribution, X_i individual and household characteristics</p> <ul style="list-style-type: none"> Probability that household i chooses hours category k (McFadden 1974) $P_{ik} = \Pr(V_{ik} > V_{ij}, \forall j = 1 \dots J) = \frac{\exp(U_{ik})}{\sum_{j=1}^J \exp(U_{ij})}, k \in J$ <ul style="list-style-type: none"> Estimation of extensive (employment) and intensive (working hours) elasticities which are used to simulate labor market effects of reforms | | | <ol style="list-style-type: none"> A basic income that covers the socio-cultural subsistence level is fundable People in the bottom decile increase working hours, while all others increase leisure Women would reduce labor supply substantially under basic income Accounting for hours reductions, budgetary balance is achieved with a flat tax of about 70% (including social security contributions) Introducing an hours subsidy of 1,560 Euro per year at 10 hours per week increases working hours for the first and second decile and overall welfare Introducing an hours subsidy of 1,560 Euro per year at 30 hours per week increases overall working hours (including strong effect for the first decile) and overall welfare Compared to reforms that involve subsidies at specific working hours, the basic income reform increases welfare the most. | | | | | | | | | |
| <p>R. Jessen*, D. Rostam-Afschar*, V. Steiner* * Freie Universität Berlin</p> | | | | | | | | | | | | |