
Subject Index

- Administrative problems, in social experimentation, 178, 181
- Adults: labor supply responses of, 122; single, 108
- Analysis of variance model, 216–18
- Appliance stocks, and time-of-day demands, 20
- Arizona time-of-use experiment, 13, 15, 38, 41
- Arkansas time-of-use experiment, 13, 41
- Attrition, in social experiments, 194, 208
- “Black box” experiments, 173, 177
- Blue Ridge Electric Membership Corporation, 13, 23
- Boeckh index, 70
- Build and Blood Pressure Study, 243
- Bypass surgery, 245
- California time-of-use experiment, 13, 14, 38, 41
- Cancer, prostate, 245
- Capital, human, 117
- Carolina Power & Light, 14
- Child care, effect on value of time at home, 99
- Competition experiments, 165–66
- Connecticut time-of-use experiment, 13, 21, 41
- Consumer’s surplus, 26–29
- Consumption patterns of electricity, 21
- Coronary bypass surgery, 245
- Cost-effectiveness: of medical experiments, 232–41; models, 226–31
- Cross-price elasticities, 21
- Cross-sectional sampling, 156–58
- Decision analytic model, 226–27
- Demand experiment, in Experimental Housing-Allowance Program, 56–57
- Deregulation experiments, 165–66
- Diabetes, 245
- Disequilibrium: in housing demand, 63–64; in housing supply, 70
- Divorce, 119–21, 135
- Dual fuel heat pumps, 46
- Earnings ratio, black vs. white, 102
- Economic models: analysis of variance, 216–18; consumer’s surplus, 26–29; cost-effectiveness, 226–31; decision-analytic, 226–27; electricity consumption, 14; electricity demand, 14; housing behavior, 82–84; housing consumption, 82–85; housing services, 58–59; intermittent work effort, 124–27; labor supply, 99–100, 104, 106, 107; rationing models, 114; of unemployment, 99, 114–16, 124–27
- Elasticity: conversion of partial to full, 23; of labor supply, 109. *See also* Price elasticity
- Electrical consumption: economic models of, 14; marginal benefit of, 25; patterns in, 21; peak and off-peak, 25, 46; statistical model of, 14; welfare-based price index for, 15
- Electrical demands: economic models of, 14; effects of humidity on, 46; effects of

- temperature on, 46; as function of kilowatt/hour price, 25; inelasticity of, 20
- Electricity prices: differences between peak, midpeak, and off-peak, 18; time-of-use, 24–30
- Electricity pricing experiments: elasticity estimates, 12–24; environmental groups, 43; incentives for, 19; potential biases in, 19; project status, 12–14; rate-structure variation, 13
- Electric Power Research Institute, 13
- Electric space heating, 30
- Electric utilities: opposition to time-of-use pricing, 44; use of time-of-use pricing for load forecasting, 46; use of time-of-use pricing for long-range planning, 46
- Electric Utility Rate Design Study, 14
- Emergency Employment Act of 1971, 270
- Employment, subsidized, 263
- Employment Opportunity Pilot Projects, 176, 178, 179, 266
- English Domestic Tariff Experiment, 44, 45
- Environmental groups, and time-of-use pricing, 43
- Equilibrium, in housing demand, 63–64
- Ethical constraints, in health policy experiments, 152–53
- Experimental Housing-Allowance Program, 55–56; costs of, 92–93; demand experiment, 56–57; effect on housing prices, 68; Hawthorne effect, 66; and market structure, 71; participation in, 65–66; perception of, 65–66; supply experiment, 67–72, 78
- Family, nature of, 135
- Fitness programs, employment-based, 154
- Food Stamp Workfare Demonstrations, 179
- Framingham Heart Study, 243
- Fraud, potential in percent-of-rent payments, 89
- Gamma globulin study, 245
- Gastric freezing, 223, 241–42
- “Hawthorne effect”: in experimental housing allowance program, 66; in health policy experiments, 151–52
- Health care resource allocation, cost-effectiveness model, 227–28
- Health Insurance Study, 175–76, 178, 179; interim results, 167
- Health policy, relevance of experimental programs, 154–55
- Health policy experiments: ethical constraints on, 152–53; Hawthorne effects in, 151–52; pre-experimental biases in, 148–50; subject attrition biases in, 150–51; subject selection in, 148–50
- Health programs, employment-based, 154
- Heating and cooling systems, 46
- Heat pumps, dual fuel, 46
- Homeowners, separate demand equations for, 65
- Hot-water heaters, 46
- Housing: costs of, 79; minimum physical standards for, 90; minimum rent standards for, 90
- Housing Allowance Demand Experiments, 264
- Housing allowance programs: fraud in, 89; participation rate, 87; standards in, 90; total cost of, 87–88. *See also* Experimental Housing-Allowance Program
- Housing allowances, 176; effect on housing supply, 78; political economy of, 78
- Housing behavior, 60; economic models of, 82–84
- Housing consumption: changes in, 79; microeconomic model of, 82–85; search behavior, 90; transaction costs of, 79
- Housing demand: equilibrium in, 63–64; income elasticity of, 76, 77
- Housing-gap payments, 57, 65, 76, 81, 88, 91
- Housing prices, and Experimental Housing-Allowance Program, 68
- Housing services: definition of, 60–61; economic model, 58–59; price of, 61–62
- Housing supply, affected by housing allowances, 78
- Housing supply functions, model for, 68–69
- Human capital, incentives for investment in, 117
- Hypertension, 242–44
- Hypertension Detection and Follow-up Program, 147, 243
- Income elasticity, of housing demand, 76, 77
- Income maintenance experiments: economic content of, 135; Seattle-Denver, 199
- Income ratio, black vs. white, 102

- Income support: and intermittent labor supply, 123; long-run effects of, 101–2
- Income tax: effect on investments in human capital, 117; treatment of rental income, 61. *See also* Negative income tax
- Job Corps, 261
- JOBS program, 261
- Job training, 268
- Knowledge, production of, 260–61
- Labor-market activity: hours of, 104–14; temporal changes in, 98, 99
- Labor supply: and income support systems, 123; intermittent, 123; multiple dimensions of, 135
- Labor supply model, 99–100, 104, 106; for married women, 107
- Land prices, and housing service prices, 62
- Leisure-time activities, 131–32, 133
- Load forecasting, time-of-use pricing in, 46
- Longitudinal sampling, 156
- Long-range planning, time-of-use pricing in, 46
- Macroexperiments: administrative problems in, 178; competition experiments, 165–66; costs of, 158; crossover designs, 163; decentralization of, 162–63; participation rates, 179; political pressure on, 178; problems with, 159–61; randomization in, 161, 177; regulation experiments, 165–66; relevance of, 158; science of, 161–62; selectivity bias, 179; statistical power, reduced, 171; time series, 163
- Management information systems, 260
- Manpower Development and Training Act, 260
- Marital instability, and nature of income support unit, 135
- Market effects, of Experimental Housing-Allowance Program, 91–92
- Market structure, and Experimental Housing-Allowance Program, 71
- Married women, 107
- Medical evaluations, assessing cost-effectiveness of, 232–41
- Medical experiments: evaluation methods, 224–25; problems in assessing cost-effectiveness of, 232–41; reasons for evaluating, 221–24
- Michigan, University of, Survey Research Center, 13
- Microexperiments: participation rates, 179; selectivity bias, 179
- Minimum rent standards, 90
- Minnesota Work Equity Project, 178
- Multiple Risk Factor Intervention Trial, 146, 147–48, 175; results published, 166–67
- National Alliance of Businessmen, 261
- National High Blood Pressure Education Program, 243
- National Medicare Expenditure Survey, 171
- National Supported Work Demonstration, 263, 264
- National Supported Work Experiment, 263
- Negative income tax, 75, 95–96, 212–13, 263; and changes in labor-market hours, 104; cost of, 112–14; effect on divorce rate, 119; income effects of, 117; New Jersey experiment, 198; rural experiment, 263; and unemployment, 116; and work effort, 130–31
- Neighborhood Youth Corps, 261, 262
- New Community Work Experience Program, 266
- New Jersey: Negative Income Tax Experiment, 198, 212–13; time-of-use experiment, 13
- New York time-of-use experiment, 13, 40
- North Carolina time-of-use experiment, 14, 23, 41
- Occupational Safety and Health Act, 271
- Ohio time-of-use experiment, 13, 32, 40
- Oklahoma time-of-use experiment, 23, 38, 41
- On-the-job training, and income support, 101
- Panel Study on Income Dynamics, 106
- Participation in social experiments, self-determination of, 205–7
- Peak demands of electricity: effects of humidity variations on, 46; effects of temperature variations on, 46; as function of kilowatt/hour price, 25
- Peak-load pricing. *See* Time-of-use pricing
- Percent-of-rent payments, 57, 65, 77, 79, 88, 89

- Policy decisions: decision-making process, 258; social experiment effects on, 252–56, 276
- Polio vaccine, 225, 245; experiments, 193
- Portocaval shunt, 245
- “Post-industrial” society, 133
- Price elasticity: cross-price, 21; in electricity pricing experiments, 12–24; of housing demand, 60
- Price indexes for electricity, welfare-based, 15
- Productivity, 116–17
- Professional Standards Review Organization, 172, 235
- Prostate cancer, 245
- Public Employment Program, 269
- Public Sector Employment Program, 270
- Public sector jobs, and displacement, 270
- Public service employment, 262, 269–70
- Public Utility Regulatory Policy Act, 47
- Puerto Rico time-of-use experiment, 14, 41
- Rand Health Insurance Study, 146, 148
- Randomized clinical trial, 224–26
- Random samples, 192–94
- Regulation experiments, 165–66
- Remarriage, 119–21, 135
- Rental income, income tax treatment of, 61
- Renters, separate demand equations for, 65
- Research Triangle Institute, 12, 23, 31
- Retirement, and income support, 101
- Retirement decisions, 118
- Rhode Island time-of-use experiment, 14, 40
- Rumor, research characterized as, 276
- Rural Negative Income Tax Experiment, 263
- Sampling techniques, 188–90, 192–94; cross-sectional, 156–58; endogenous sampling, 196–205; randomization, 188–90; random sample selection, 192–94; sample size, 194; stratification, 196–205; structural models, 188–90; unbiased estimates, 188–90
- Selectivity bias, in Experimental Housing-Allowance Program, 65
- Social experiments: analysis of variance model, 216–18; attrition, 194, 208; bias sources, 217; costs, 239–41, 251; criteria for selecting method, 181; design decisions, 214–15; effectiveness in assessing market level outcomes, 103; effect on new policies, 276; heterogeneous populations in, 236; participation in, 205–7; Platonic image of, 275; randomization limitations, 193–94; rationale for, 96–97; risks, 239–41; rumor-generating function of, 276; sample size, 194; statistical considerations in, 181; use in policy decisions, 252–56
- Social Security, 267–68
- Social Security “wealth,” 118
- Southern California Edison, 13
- Space heating, electric, 30
- Stanford Heart Disease Prevention Program, 146, 155–58; reanalysis of data, 167
- Statistical considerations, in social experimentation, 181
- Statistical problems, in time-of-use pricing, 31–38
- Storage heating and cooling systems, 46
- Storage hot-water heaters, 46
- Stratification, in sampling techniques, 195–206
- Structural models, 188–90
- Supply experiment, in Experimental Housing-Allowance Program, 78
- Survey Research Center, 13
- Television, and work effort, 131
- Temperature variations, effect on peak demand, 46
- Time-of-day demand, and appliance stocks, 20
- Time-of-day pricing. *See* Time-of-use pricing
- Time-of-use experiments: counterproductiveness of, 47; flaws in, 42
- Time-of-use pricing: Arizona, 13, 15, 38, 41; Arkansas, 13, 41; California, 13, 14, 38, 41; Connecticut, 198; New York, 13, 40; North Carolina, 14, 23, 41; Ohio, 13, 32, 40; Oklahoma, 23, 38, 41; Rhode Island, 14, 40; Vermont, 13, 40; Wisconsin, 13, 20, 38, 41; electric utilities opposed to, 44; environmental interests, 43; European examples, 44; gains and losses from, 28–30; research design, 43–44; shortcomings of, 38; statistical problems, 31–38; uncertainty in using experimental results, 31–33; usefulness of, 46; voluntary basis, 30; welfare analysis of, 25–30, 43, 45
- Time-of-use rate, voluntary, 24
- Time Use Survey, 117

- Transaction costs, and housing consumption, 79
- Transferability problem, 33–38
- Unemployment: economic models of, 99, 114–16, 124–27; and negative income tax, 116
- Unemployment insurance, 266–67
- Unemployment Insurance Extended Benefits Program, 267
- Unemployment insurance system, labor supply effects of, 114
- University Group Diabetes Project, 245
- Vermont time-of-use experiment, 13, 40
- Wages, effect on participation probability in social experiments, 108
- Welfare reform, 264–66
- White Meter Tariff, 45
- WHO European Collaborative Group, 161–162
- Wisconsin Public Corporation, 32
- Wisconsin time-of-use experiment, 13, 20, 38, 41
- Women: labor supply elasticities, 109; married, 107
- Work effort, 116–17; intermittent, 124–27
- Workfare, 265, 266
- World Health Organization. *See* WHO European Collaborative Group
- Youth, job training programs for, 268