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16 Attorneys for Plaintiffs
17 ELIEZER WILLIAMS, etc., *et al.*

18 SUPERIOR COURT OF THE STATE OF CALIFORNIA

19 COUNTY OF SAN FRANCISCO

20 ELIEZER WILLIAMS, a minor, by Sweetie
Williams, his guardian ad litem, *et al.*, each
21 individually and on behalf of all others
similarly situated,

22 Plaintiffs,

23 v.

24 STATE OF CALIFORNIA, DELAINE
EASTIN, State Superintendent of Public
Instruction, STATE DEPARTMENT OF
25 EDUCATION, STATE BOARD OF
EDUCATION,

26 Defendants.
27

No. 312236

**DECLARATION OF LEECIA WELCH IN
SUPPORT OF PLAINTIFFS'
DESIGNATION OF REBUTTAL WITNESS
MICHAEL HOUT**

Date Action Filed: May 17, 2000

1 I, LEECIA WELCH, hereby declare as follows:

2 1. I am an attorney licensed to practice law in the State of California. I am an
3 associate at the law firm of Morrison & Foerster LLP, counsel of record for plaintiffs Eliezer
4 Williams, et al. (“plaintiffs”) in this action. I have personal knowledge of the facts stated herein
5 and could testify competently to them if called to do so.

6 2. Plaintiffs have provided a list of the persons whose expert opinion testimony the
7 plaintiffs intend to offer on rebuttal at trial of this action, either orally or by deposition testimony.
8 The list includes Michael Hout, to whom this declaration refers.

9 3. Dr. Hout has agreed to testify at trial.

10 4. Dr. Hout will be sufficiently familiar with the pending action to submit to a
11 meaningful oral deposition concerning the specific testimony, including any opinions and their
12 bases, that he is expected to give at trial.

13 5. Dr. Hout’s fee for providing deposition testimony, consulting with the attorneys
14 for plaintiffs, and researching and related activities undertaken in preparation of the attached
15 rebuttal expert report is \$200 per hour.

16 6. Attached to my declaration as Exhibit A and incorporated by this reference is a
17 *curriculum vitae* providing Dr. Hout’s professional qualifications, pursuant to section
18 2034(f)(2)(A) of the California Code of Civil Procedure.

19 7. Attached to my declaration as Exhibit B and incorporated by this reference is
20 Dr. Hout’s rebuttal expert report. The following is a brief narrative statement of the general
21 substance of the testimony that Dr. Hout is expected to give at trial, pursuant to section
22 2034(f)(2)(B) of the California Code of Civil Procedure. Dr. Hout rebuts opinions offered in the
23 expert reports of State experts Caroline Hoxby and Christine Rossell. In particular, Dr. Hout
24 concludes that Dr. Hoxby too narrowly defines quality research; that Dr. Hoxby inappropriately
25 assigns to “school management” some school effects that could instead result from shortages of
26 essential tools for learning; that Dr. Rossell does not analyze relevant variance regarding access to
27 credentialed teachers; and that Dr. Rossell’s examination of teacher credentialing effects on
28 student performance is constructed such that it does not address the question presented in this

1 litigation. The foregoing statements are only a general summary of the issues and conclusions
2 discussed and documented more fully in Dr. Hout's rebuttal expert report, attached as Exhibit B.

3 I declare under penalty of perjury under the laws of the State of California that the
4 foregoing is true and correct.

5 Executed at San Francisco, California, this 15th day of September, 2003.

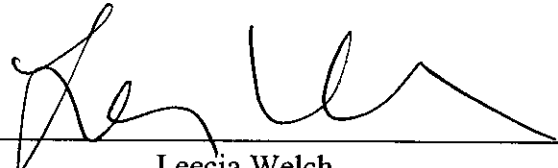
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EXHIBIT A

Curriculum Vitae

[June 2003]

Michael Hout
Professor of Sociology
University of California, Berkeley

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Education

- 1976 Ph.D. Indiana University [Sociology]
Dissertation: Determinants of Marital Fertility in the United States, 1960-1970
1973 M.A. Indiana University [Sociology]
1972 B.A. University of Pittsburgh [Sociology and History]

Employment History

- 1988- University of California, Berkeley, Professor of Sociology
> Chair, Joint Program in Demography and Sociology, 2002-
> Director, Survey Research Center, 1992-98
> Chair, Department of Sociology, 1988-91
1991 University College, Dublin, Ireland, Visiting Professor of Sociology (summer)
1985-88 University of California, Berkeley, Associate Professor of Sociology
1983-84 University College, Dublin, Ireland, Visiting Professor of Sociology
1982-85 University of Arizona, Associate Professor of Sociology
1976-82 University of Arizona, Assistant Professor of Sociology

Honors and Fellowships

- 2003 Elected to the National Academy of Sciences
2000 Distinguished Graduate School Alumnus, Indiana University
1998 "Outstanding book" on Human Rights, Gustavus Myers Center, for *Inequality by Design*
1997 Elected to American Academy of Arts and Sciences
1996-97 Russell Sage Foundation Visiting Fellowship
1996 Population Association of America
Clifford C. Clogg Memorial Award
"In recognition of distinguished contributions to the collection, modelling, and analysis of census and survey data."
1989 Elected to Sociological Research Association
1985-86 John Simon Guggenheim Memorial Foundation Fellowship
"Occupational Mobility in Ireland"
1972-76 National Institute of Mental Health Training Fellowship
"Training in Quantitative Methods"

Books

- 1996 Fischer, Claude S., Michael Hout, Samuel R. Lucas, Martín Sánchez Jankowski, Ann Swidler, and Kim Voss. *Inequality by Design: Cracking the Bell Curve Myth*. Princeton: Princeton University Press.
1989 Hout, Michael. *Following in Father's Footsteps: Occupational Mobility in Ireland*. Cambridge, Mass.: Harvard University Press.
1983 Hout, Michael. *Mobility Tables*. Beverly Hills, Calif.: Sage.

Journal Articles and Book Chapters by Topic

Inequality and Stratification

- 2004 Gerber, Theodore P., and Michael Hout. "Tightening Up: Inter- and Intragenerational Mobility in Russia, 1988-2002." *American Sociological Review* 69: forthcoming.
- Hout, Michael, and Emily Beller. "Recent Trends in American Social Mobility." Forthcoming in *Class and Social Mobility* [tentative title], edited by Richard Breen. Oxford: Clarendon Press.
- 2003 Hout, Michael. "Social Mobility and Inequality: A Review and an Agenda." Forthcoming in *Social Consequences of Growing Inequality*, edited by Kathryn Neckerman. New York: Russell Sage Foundation.
- Hout, Michael. "Educational Progress for African Americans and Latinos Since the 1950s." Forthcoming in *Ethnicity and Social Mobility in Comparative Perspective*, edited by Glenn Loury, Tariq Modood, and Steven Teles. Cambridge: Cambridge University Press.
- 2002 Hout, Michael, "Test Scores, Education, and Poverty." Pp. 329-54 in *Race and Intelligence*, edited by Jefferson Fish. Mahwah, NJ: Lawrence Erlbaum Associates.
- 2000 Fischer, Claude S., Michael Hout, Martín Sánchez Jankowski, Samuel R. Lucas, Ann Swidler, and Kim Voss. "Inequality by Design." Chapter 2 in *Social Stratification* (second edition), edited by David B. Grusky. Boulder, CO: Westview Press.
- Hout, Michael, and Harvey S. Rosen. "Self-employment, Race, and Family Background." *Journal of Human Resources* 35: 670-693.
- Hout, Michael, "Social Mobility." 840-841 in *The Oxford Companion to Politics of the World* (2nd edition), edited by Joel Krieger. Oxford: Oxford University Press.
- 1998 Gerber, Theodore P., and Michael Hout. "More Shock Than Therapy: Employment and Incomes in Russia, 1991-1996." *American Journal of Sociology* 104 (July): 1-51.
- 1997 Hout, Michael. "Inequality at the Margins: The Effects of Welfare, the Minimum Wage, and Tax Credits on Low-Wage Labor Markets." *Politics and Society* 25 (December): 513-524.
- Arum, Richard, and Michael Hout. "The Early Returns: School-to-Work Transitions in the United States." Pp. 130-146 in *Educational Origins and Class Destinations*, edited by Walter Müller and Yossi Shavit. Boulder, CO: Westview Press.
- 1996 Hout, Michael, Richard Arum, and Kim Voss. "The Political Economy of Inequality in the 'Age of Extremes'." *Demography* 33 (November): 421-425.
- Hout, Michael, and Samuel R. Lucas. "Narrowing the Income Gap Between Rich and Poor." *Chronicle of Higher Education*, 11 August, p. B1. [reprinted in *Race, Class, and Gender in the United States*, edited by Paula S. Rothenberg. New York: St. Martin's Press, 1998].
- 1995 Gerber, Theodore P., and Michael Hout. "Educational Stratification in Russia During the Soviet Period." *American Journal of Sociology* 101 (November): 611-660.
- Hout, Michael, and Daniel P. Dohan. "Two Paths to Equality of Educational Opportunity: Sweden and the United States Compared." Pp. 121-146 in *Equality of Educational Opportunity in Sweden: Historical and Comparative Perspectives*, edited by Robert Erikson and Janne Jonsson. Boulder, CO: Westview Press.
- Hout, Michael. "Politics of Mobility." Pp. 301-325 in *Generating Social Stratification*, edited by Alan C. Kerckhoff. Boulder, CO: Westview Press.
- 1993 Raftery, Adrian E., and Michael Hout. "Maximally Maintained Inequality: Educational Stratification in Ireland." *Sociology of Education* 65 (January): 41-62.
- Hout, Michael, Clem Brooks, and Jeff Manza. "Persistence of Classes in Postindustrial

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- Societies." *International Sociology* 8 (September): 259-278.
Reprinted in four collections including *The Breakdown of Class Politics*, edited by Terry Clark and Seymour Martin Lipset. Washington: Wilson Center.
- 1993 Hout, Michael, Adrian E. Raftery, and Eleanor O. Bell. "Making the Grade: Educational Stratification in the United States, 1925-1989." Pp. 25-50 in *Persisting Inequality: Educational Stratification in Thirteen Countries*, edited by Yossi Shavit and Hans-Peter Blossfeld. Boulder, CO: Westview Press.
- 1992 Hout, Michael, and Robert M. Hauser. "Hierarchy and Symmetry in Occupational Mobility." *European Sociological Review* 8 (December): 239-266.
Hout, Michael. "Social Mobility." Pp. 840-841 in *Oxford Companion to Politics of the World*, edited by Joel Krieger. Oxford: Oxford University Press.
- 1988 Hout, Michael. "More Universalism and Less Structural Mobility: The American Occupational Structure in the 1980s." *American Journal of Sociology* 93 (May): 1358-1400.
- 1986 Hout, Michael and John A. Jackson. "Dimensions of Occupational Mobility in the Republic of Ireland." *European Sociological Review* 2 (September): 114-137.
Hout, Michael. "Opportunity and the Minority Middle Class: A Comparison of Blacks in the U.S. with Catholics in Northern Ireland." *American Sociological Review* 51 (April): 212-223.
- 1985 Sobel, Michael E., Michael Hout, and Otis Dudley Duncan. "Exchange, Structure, and Symmetry in Occupational Mobility." *American Journal of Sociology* 91 (September): 359-372.
Raftery, Adrian E., and Michael Hout. "Does Irish Education Approach the Meritocratic Ideal?" *Economic and Social Review* 16 (January): 115-140.
- 1984 Hout, Michael. "Occupational Mobility of Black Men: 1962-1973." *American Sociological Review* 49 (June): 308-322. [reprinted in *Social Stratification: Class, Race, and Gender*, edited by David B. Grusky. Boulder: CO: Westview Press, 1994.]
- 1984 Hout, Michael. "Status, Autonomy, and Training in Occupational Mobility." *American Journal of Sociology* 89 (May): 1379-1409.
- 1982 Hout, Michael. "The Association Between Husbands' and Wives' Occupations in Two-Earner Families." *American Journal of Sociology* 87 (September): 397-409.
- 1981 Garnier, Maurice A. and Michael Hout. "Schooling Processes and Educational Outcomes in France." *Quality and Quantity* 15 (Summer): 151-177.
- 1979 Hout, Michael, and Maurice A. Garnier. "Educational Stratification and Curriculum Placement in France." *Sociology of Education* 52 (July): 146-156.
- 1976 Garnier, Maurice A., and Michael Hout. "Inequality of Educational Opportunity in France and the United States." *Social Science Research* 5 (September): 225-246.
- 1975 Hout, Michael, and William R. Morgan. "Race and Sex Variations in the Causes of Expected Attainments." *American Journal of Sociology* 81 (September): 364-394.

Political Sociology

- 1999 Hout, Michael. "Abortion Politics in the United States, 1972-1996." *Gender Issues* 17: 3-34.
Hout, Michael, Jeff Manza, and Clem Brooks. "Classes, Unions, and the Realignment of U.S. Presidential Voting, 1952-1992." Pp. 114-130 in *The End of Class Politics?*, edited by Geoff Evans. Oxford: Clarendon Press.
- 1996 Hout, Michael, Clem Brooks, and Jeff Manza. "Elezioni presidenziali e riallineamento di classe

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- negli Stati Uniti, 1948-1992." *Polis* 10 (April): 5-24.
- 1995 Hout, Michael, Clem Brooks, and Jeff Manza. "The Democratic Class Struggle in U.S. Presidential Elections: 1948-1992." *American Sociological Review* 60 (December): 805-828.
- Manza, Jeff, Clem Brooks, and Michael Hout. "Class Voting in Western Democracies." *Annual Review of Sociology* 21:137-163.
- 1988 Sniderman, Paul M., Philip E. Tetlock, Donald Green, James Glaser, and Michael Hout. "Tolerance and American Democratic Values." *British Journal of Political Science* 19 (September): 25-45.
- 1975 Hout, Michael, and David Knoke. "Changes in Voting Turnout: 1952-1972." *Public Opinion Quarterly* 39 (Spring): 52-62.
- 1974 Knoke, David, and Michael Hout. "Social and Demographic Factors in American Political Party Preferences." *American Sociological Review* 39 (October): 700-713.

Religion

- 2004 Hout, Michael, and Melissa J. Wilde. "Denominational Society Reconsidered." Forthcoming in *The Secularization Debate in Europe and the United States*, edited by Alasdair Crockett and Richard O'Leary. London: Taylor Francis.
- 2003 Hout, Michael. "Demographic Methods for the Study of Religion." Forthcoming in *Handbook of the Sociology of Religion*, edited by Michele Dillon. Cambridge: Cambridge University Press.
- 2002 Hout, Michael, and Claude S. Fischer, "Explaining the Rise of Americans with No Religious Preference: Generations and Politics." *American Sociological Review* 67: 165-190.
- 2001 Hout, Michael, Andrew M. Greeley, and Melissa J. Wilde, "The Demographic Imperative in Religious Change." *American Journal of Sociology* 107: 468-500.
- 2000 Hout, Michael, "Alienation Among Divorced and Remarried Catholics in the United States." *America*: .
- 1999 Greeley, Andrew, and Michael Hout. "Americans' Increasing Belief in Life After Death: Competition and Assimilation." *American Sociological Review* 65 (December): 813-836.
- Greeley, Andrew, and Michael Hout, "Measuring the Strength of the Christian Right." *Christian Century* 116 (September): 810-813.
- 1998 Hout, Michael, and Andrew M. Greeley. "What Church Officials' Reports Don't Show: Another Look at Church Attendance Data." *American Sociological Review* (February): 113-119.
- 1993 Hout, Michael. "Counting the Returnees." *Catholic World* 112 (January): 29-38.
- 1989 Greeley, Andrew M., and Michael Hout, "The Secularization Myth." *The Tablet* (10 June): 665-668.
- 1988 Greeley, Andrew M., and Michael Hout. "Musical Chairs: Patterns of Denominational Change in the United States, 1947-1986." *Sociology and Social Research* 72 (January): 75-86.
- 1987 Hout, Michael, and Andrew M. Greeley. "The Center Doesn't Hold: Church Attendance in the United States, 1940-1984." *American Sociological Review* 52 (June): 325-345.

Methodology

- 2003 Evans, William R., Susan Mayer, and Michael Hout. "Inequality Effects" Forthcoming in *Social Consequences of Growing Inequality*, edited by Kathryn Neckerman. New York: Russell Sage Foundation.

Curriculum Vitae: Michael Hout

- 2001 Goodman, Leo A., and Michael Hout. "Statistical Methods and Graphical Displays for Comparing How Two-Way Associations Vary Among Countries, Among Groups, or Over Time, Part II: Some Simple Extensions and Simple Examples." *Sociological Methodology* 31: 189-211.
- 1998 Goodman, Leo A., and Michael Hout. "Statistical Methods and Graphical Displays for Comparing How Two-Way Associations Vary Among Countries, Among Groups, or Over Time." *Sociological Methodology* 28: 175-239 (with discussion by Yu Xie, pp. 231-236, Kazuo Yamaguchi, pp. 237-248, and Goodman-Hout, pp. 249-262).
- 1997 Yamashita, Robert C., Thomas Piazza, Howard Besser, Troy Duster, and Michael Hout. "The Quality of the Quantity: Information Technology and the Evaluation of Data." *Bulletin of Sociological Methodology* 54 (March): 317-325.
- 1987 Hout, Michael, Otis Dudley Duncan, and Michael E. Sobel. "Association and Heterogeneity: Structural Models of Similarities and Differences." *Sociological Methodology* 17: 145-184.
- 1982 Hout, Michael. "Using Uniform Association Models: An Example from Delinquency Research." Pp. 115-128 in *Quantitative Criminology: Innovations and Applications*, edited by John Hagan. Beverly Hills, Calif.: Sage.
- 1977 Hamblin, Robert L., Michael Hout, Jerry L. L. Miller, and Brian L. Pitcher. "Arms Races: A Test of Two Models." *American Sociological Review* 42 (April): 338-354.
- Hout, Michael. "A Cautionary Note on the Use of Two-Stage Least Squares." *Sociological Methods and Research* 5 (February): 335-346.

Demography

- 1994 Hout, Michael, and Joshua R. Goldstein. "How 4.5 Million Irish Immigrants Came to Be 41 Million Irish Americans: Demographic, Social, and Subjective Components of the Ethnic Composition of the White Population of the United States." *American Sociological Review* 59 (February): 64-82.
- 1985 Sullivan, Teresa A., Francis P. Gillespie, Michael Hout, and Richard G. Rogers. "Alternative Estimates of Mexican American Mortality in Texas, 1980." *Social Science Quarterly* 65 (June): 609-617.
- 1983 Gillespie, Francis P., Andrew M. Greeley, Michael Hout, and Teresa A. Sullivan. "Public Policy, Ethnic Codes, and Hispanic Vital Statistics." *La Red/The Net* 70 (July): 9-13.
- Gillespie, Francis P., Teresa A. Sullivan, Michael Hout, and Andrew M. Greeley. "Surname Versus Self-Identification in the Analysis of Hispanic Data." *Proceedings of the American Statistical Association* 80 (August): 117-122.
- 1980 Hout, Michael. "Trade Dependence and Fertility in Hispanic America: 1900-1975." Pp. 159-188 in *Studies of the Modern World System*, edited by Albert Bergesen. New York: Academic Press.
- 1979 Hout, Michael. "Age Structure, Unwanted Fertility, and the Association Between Racial Composition and Family Planning Program Services." *Social Forces* 57 (June): 1387-1393.
- 1978 Hout, Michael. "Determinants of Marital Fertility in the United States, 1968- 1970: Inferences from a Dynamic Model." *Demography* 15 (May): 139-161.
- 1977 Hout, Michael. "Family Planning Program Activity and Patient Enrollments in the United States." *Demography* 14 (May): 213-222.
- Hout, Michael. "Determinants of Patient Enrollments in Publicly Funded Family Planning Programs: 1969-1971." Pp. 33-54 in *The Impact of Family Planning Programs on Fertility: The U.S. Experience*, by Phillips Cutright and Frederick S. Jaffe. New York: Praeger.

Curriculum Vitae: Michael Hout

- 1976 Cutright, Phillips, Michael Hout, and David R. Johnson. "Structural Determinants of Fertility in Latin America: 1800-1970." *American Sociological Review* 41 (June): 511-526.

Other Publications

- 2003 Hout, Michael, and Claude S. Fischer. "Oh, Be Some Other Name: Reply to Marwell and Demerath." *American Sociological Review* 69: forthcoming.
- 2000 Hout, Michael, and Andrew M. Greeley. "Getting to the Truths That Matter: Reply to Stolzenberg." *American Sociological Review* 66: 152-158.
- 1999 Hout, Michael. Review of *The Black-White Test Score Gap* by Christopher Jencks and Meredith Phillips. *Contemporary Sociology* 28:538-541.
- 1998 Review of *Modernization and Postmodernization* by Ronald Inglehart. *Contemporary Sociology* 27: 190-192.
- 1991 Sniderman, Paul M., Philip E. Tetlock, Donald Green, James Glaser, and Michael Hout. "Democratic Values and Mass Publics." Pp. 120-140 in *Reasoning and Choice*, edited by Paul M. Sniderman and David Brady. Cambridge: Cambridge University Press.
- 1989 Review of *Causal Inference from Quasi-Experimental Data*, by Christopher Achen. *American Journal of Sociology*: 468-470.
- 1988 Review of *Beyond the Color Line*, by Reynolds Farley and Walter Allen. *American Journal of Sociology*: 695-697.
- 1987 Review of *Gender and Work*, by Patricia A. Roos. *Contemporary Sociology*:
- 1986 Sobel, Michael E., Michael Hout, and Otis Dudley Duncan. "Saving the Bath Water." *Sociological Methods and Research* 14 (Feb.): 271-285.
- 1985 Hout, Michael. "Reply to DeGraaf." *American Journal of Sociology* 90 (March): 1083-88.
- 1982 Review of *Linear Panel Analysis*, by Ronald Kessler and David Greenberg. *Public Opinion Quarterly* (Winter): 601-602.
- 1981 Review of *Economics and the Family*, edited by Stephen J. Bahr. *Contemporary Sociology* 10 (July): 539-540.
- 1976 Knoke, David, and Michael Hout. "Reply to Glenn." *American Sociological Review* 41 (October): 905-908.

Papers under Review

Gerber, Theodore P., and Michael Hout. "Tightening Up: Social Mobility in Russia: 1988-2002." *American Sociological Review* (revise and resubmit).

Fischer, Claude S., Gretchen Stockmayer, Jon Stiles, and Michael Hout. "Distinguishing the Levels and Dimensions of U.S. Metropolitan Segregation, 1960-2000." *Demography* (revise and resubmit).

Hout, Michael. "Money and Morale: How Growing Inequality is Changing How Americans Feel About Their Lives and Society." *American Sociological Review* (first round).

Papers Presented at Professional Meetings (since 1997)

- 2003 Fischer, Claude S., Gretchen Stockmayer, Jon Stiles, and Michael Hout. "Distinguishing the Levels and Dimensions of U.S. Metropolitan Segregation, 1960-2000." Population Association of America, Minneapolis MN, 1 May 2003.

Hout, Michael. "RC28's Contribution to Knowledge: An Assessment and an Agenda for the

Curriculum Vitae: Michael Hout

- Future.” Keynote address, International Sociological Association Research Committee on Stratification and Mobility, Tokyo, 1 March 2003.
- Hout, Michael. “Money and Morale: How Growing Inequality is Changing How Americans Feel About Their Lives and Society.” Social Consequences of Social Inequality III, Washington, DC, 29 May 2003.
- Hout, Michael, and Claude S. Fischer. “Farm-Factory-Office: A Century of Working Conditions.” International Sociological Association Research Committee on Stratification and Mobility, New York University, New York, 22 August 2003.
- Fischer, Claude S., and Michael Hout. “American Standards of Living: Incomes, Consumption, and Wealth.” American Sociological Association, Atlanta, 17 August 2003.
- Hout, Michael, and Claude S. Fischer. “American Religious Diversity: 1940-2000.” Society for the Scientific Study of Religion, Norfolk, VA, October 2003.
- 2002 Hout, Michael, and Claude S. Fischer. “American Religious Diversity: 1940-2000.” Annual meeting of the American Sociological Association, 18 August 2002.
- Gerber, Theodore P., and Michael Hout. “Tightening Up: Social Mobility in Russia: 1988-2002.” International Sociological Association Research Committee on Stratification and Mobility, Brisbane, Australia, 10 July 2002.
- Hout, Michael, and Caroline Hanley. “The Overworked American Family: Trends and Nontrends in Working Hours: 1968-2001.” Institute for Research on Poverty Summer Institute, Madison, Wisconsin, 27 June 2002.
- Fischer, Claude S., and Michael Hout. “American Standards of Living: Incomes, Consumption, and Wealth.” Economic and Social Justice conference, Davis, California, 28 May 2002.
- Hout, Michael, and Emily Beller. “American Occupational Mobility: 1972-2000.” International Sociological Association Research Committee on Stratification and Mobility, Oxford, England, 11 April 2002.
- Hout, Michael, and Claude S. Fischer. “American Households: 1900-2000.” Workshop on the 2000 Census. Russell Sage Foundation, New York, NY, 19 January 2002.
- 2001 Hout, Michael, and Leo A. Goodman, “Models of Cohort Succession for Social Mobility and Similar Intergenerational Processes.” International Sociological Association Research Committee on Stratification and Mobility, Berkeley, California, 15 August 2001.
- Hout, Michael. “Educational Expansion and the Structure of Opportunity.” Annual meeting of the American Sociological Association, Anaheim, California, 20 August 2001.
- Hout, Michael. “Educational Progress for African Americans and Latinos from the 1950s to the Present.” International Sociological Association Research Committee on Stratification and Mobility, Mannheim, Germany, 26 April 2001.
- 2000 Hout, Michael. “From Research Committee to Research Community: The Accomplishments of RC28.” International Sociological Association Research Committee on Stratification and Mobility, Libourne, France, 11 May 2000 [Presidential Address].
- Hout, Michael. “The Gender Gap in Work and Work Orientations in 27 Countries.” International Social Survey Programme, Lisbon, Portugal, 8 May 2000.
- 1999 Hout, Michael, and Melissa J. Wilde. “Denominational Society: An Appreciation.” Annual meeting of the American Sociological Association, Chicago, August 1999.
- Hout, Michael. “Educational and Occupational Mobility of African Americans.” International Sociological Association Research Committee on Stratification and Mobility, Madison, Wisconsin, August 1999.

Curriculum Vitae: Michael Hout

- Hout, Michael. "Test Scores, Education, and Poverty in the United States." International Sociological Association Research Committee on Stratification and Mobility, Warsaw, Poland, May 1999.
- 1998 Goodman, Leo A., and Michael Hout. "Statistical Methods and Graphical Displays for Comparing How Two-Way Associations Vary Among Countries, Among Groups, or Over Time: Part II." Annual meeting of the American Sociological Association, San Francisco, August 1998.
- Hout, Michael. "Wages, Immigration, and Globalization." International Sociological Association Research Committee on Stratification and Mobility, Taipei, Taiwan, February 1998.
- 1997 Hout, Michael and Daniel P. Dohan. "Stratification Theory and the Sociology of Education: Access and Opportunity." Annual meeting of the American Sociological Association, Toronto, August 1997.
- Hout, Michael. "Opportunity, Change, and Structure: Women's and Men's Occupational Mobility in the United States since 1970." Annual meeting of the American Sociological Association, Toronto, August 1997.
- Hout, Michael, and Richard Arum. "Learning and Selection in American Secondary Education." ISA Research Committee on Stratification and Mobility. Tel Aviv, May 1997.
- Gerber, Theodore P., and Michael Hout. "More Shock than Therapy: Income Inequality in Russia Since 1991." ISA Research Committee on Stratification and Mobility. Tel Aviv, May 1997.

Invited Lectures (since 1997)

- 2003 "Money and Morale: How Growing Inequality Is Changing How Americans Feel About Themselves and Society."
Department of Sociology, UC-Santa Barbara, 10 October 2003.
Economics of Happiness Conference, Brookings Institution, Washington, DC, 4 June 2003.
Selo Memorial Lecture, University of North Carolina, Chapel Hill, NC 2 April 2003.
- "Does Greater Income Equality Lead to More Social Mobility? Does More Social Mobility Lead to More Income Equality?" The Opportunity and Inclusion Forum, Institute for Public Policy Research, New Castle, England, 9-11 September 2003.
- 2002 "Money and Morale: The Psychic Consequences of Rising Inequality." Joint Center for Poverty Research, Chicago, Illinois, 19 November 2002.
- "Explaining the Increase in Americans with No Religious Preference." Department of Sociology, University of Arizona, 29 March 2002.
- 2001 "The Demographic Imperative in Religious Change: The Case of Mainline Decline." Department of Sociology, UCLA, 19 January 2001.
- "Explaining the Increase in Downward Mobility in the 1990s." Department of Sociology, University of California, Davis, 1 June 2001.
- 2000 "Statistical Methods and Graphical Displays." Center for European Studies, University of Mannheim, Germany, 19 November 2000.
- "Fifty Years of Research on Social Mobility." Department of Sociology, Indiana University 20 October 2000.
- "Divorced Catholics in the United States: Their Attachment to Church and Family." Canon Law Society of America, Western Regional meeting, San Jose, California, 18 March 2000.
- "The Demographic Imperative in Religious Change: The Case of Mainline Decline."

Department of Sociology, University of Washington, 16 January 2000.

Department of Sociology, Ohio State University, 1 June 2000.

Department of Sociology, Stanford University, 16 October 2000.

"The Denominational Society: A Reappraisal." Modernization and Religion Conference, Nuffield College, Oxford, April 2000.

1999 "Social Mobility in the United States, 1972-1998." European University Institute, Florence, Italy. December 1999.

"Educational Mobility of African Americans and Latinos Since the 1950s." UK/US Comparative Race Conference, Bath, England, June 1999.

1998 "Americans' Increasing Belief in Life After Death." National University, Maynooth, Ireland. September 1998.

"The Conscious Middle: Americans' Perceptions of Social Class." Department of Sociology, University of Arizona, March 1998.

"Explaining the Increase in Downward Mobility in the 1990s." Department of Sociology, University of Oregon, June 1998.

1997 "Inequality by Design: Myths, Data, and Politics."

Department of Sociology, University of Pennsylvania, 27 January 1997.

Department of Sociology, New York University, 11 February 1997.

Department of Sociology, University of Arizona, 21 February 1997.

Francis M. Sims Memorial Lecture, Penn State University, 20 March 1997.

Department of Sociology, Northwestern University, 17 April 1997.

Department of Sociology, University of Washington, 29 May 1997.

A. Philip Randolph Labor Center, University of Minnesota, 3 June 1997.

"Speedbumps on the Road to Meritocracy: Women's and Men's Occupational Mobility, 1972-1994."

Department of Sociology, SUNY-Albany, 28 February 1997.

Population Research Institute, Penn State University, 21 March 1997.

Center for Demography and Ecology, University of Washington, 30 May 1997.

Professional Memberships

American Sociological Association

Sections: Methodology, Sociology of Education, Economic Sociology, Sociology of Religion

Population Association of America

Sociological Research Association

International Sociological Association

Research Committee on Stratification and Mobility (RC28)

American Academy of Arts and Sciences

National Academy of Sciences

Professional Service

Editorial Boards

Sociology of Education, 2001-present

American Sociological Review, 1995-98

Research in Stratification and Mobility, 1989-94

American Journal of Sociology, 1986-88

Sociological Methods and Research, 1976-94

Sociological Methodology, 1978-80

Elected and Appointed Offices

American Sociological Association

ASA Council, At-large Member (elected), 1997-2001

Methodology Section: Chair (elected) 1997-99, Executive Board (elected), 1988-90

Curriculum Vitae: Michael Hout

Program Committee (appointed), 1990 and 1991

Task Force on Journals and Inclusiveness (appointed), 2000-02

International Sociological Association

Research Committee on Stratification and Mobility: President (elected), 1998-2002; Executive Board (elected), 1989-94

Sociological Research Association: Executive Board (elected), 2001-2004

Population Association of America

Program Committee, 1988

Other

General Social Survey, Board of Overseers, 1992-2001 [Board Chair, 1997-2001]

Panel Study of Income Dynamics, Board of Overseers, 1992-1994

Department of Sociology, Northwestern University, External Review Committee, 2002

Department of Sociology, University of Arizona, External Review Committee, 1992

Department of Sociology, UCSD, External Review Committee, 1991

Courses Taught

University of California, Berkeley

- Sociology 5 Evaluation of Evidence
Fall 1994, Fall 1995, Fall 1997, Spring 2000, Spring 2001, Fall 2001, Fall 2002, Fall 2003
- Sociology 24 Evaluating the Presidential Election Polls
Fall 1992, Fall 1998, Fall 2000
- Sociology 105 Introduction to Quantitative Methods
Fall 1986, Fall 1988
- Sociology 107 Computer Applications in Quantitative and Qualitative Analysis
Summer 1992, Summer 1993
- Sociology 126 World Population
Spring 1986, Spring 1988
- Sociology 130 Social Stratification
Fall 1985, Fall 1987, Spring 2004
- Sociology 186 Irish Society
Spring 1987
- Sociology 190 Senior Seminar: Social Mobility
Spring 1987
- Sociology H190 Senior Honors Seminar
(A&B) Fall 1998, Spring 1999
- Sociology 271b Methods of Sociological Research B: Intro to Quantitative Methods
Spring 1985 - Spring 1991 (each year), Spring 2001 (redesigned course), Spring 2002
- Sociology 271c Methods of Sociological Research C: Intermediate Quantitative Methods
Fall 1989- Fall 1994 (each year), Fall 2001, Fall 2002 (redesigned course, now required),
Fall 2003
- Sociology 272c Advanced Quantitative Methods: Limited Dependent Variables
Spring 2004
- Sociology 280G Advanced Social Stratification
Fall 1987, Fall 1992, Fall 1993, Fall 1995, Fall 1997, Spring 2000
- Sociology 290 Social Inequality Workshop
Fall 2003-Spring 2004 (year-long; new course)

Supervision of Graduate Students

University of California, Berkeley

Dissertations Chaired

Harold Toro, 2005 (expected)
Emily Beller, 2004 (expected)
Caroline Hanley, 2004 (expected)
Christal Kessler, 2004 (expected)
Aaron Gullickson, 2004 (expected)
Lynnea Stephens, 2004 (expected)
Mellisa Wilde, 2002 {Indiana University, Bloomington}
Lisa Chavez, 2001 {City of Oakland}
Karolyn Tyson, 1999 {University of North Carolina, Chapel Hill}
Tally Katz-Gerro, 1999 {University of Haifa}
Aziza Khazoom, 1998 {UCLA}
Michelle Motoyoshi, 1998 {DK}
Richard Arum, 1996 {New York University}
E. Clement Brooks, 1994 {Indiana University, Bloomington}
Rebecca S. Gradolph, 1994 {Gallup Organization}
Youngmin Yun, 1994 {Kangjin University, Seoul, Korea}
Eleanor O. Bell, 1992 {DK}

Dissertations other chairs (Sociology)

Jennifer Sherman, 2004 (expected) [Raka Ray, chair]
Katrinnell M. Davis, 2004 (expected) [Margaret Weir, chair]
Erendira Rueda, 2003 (expected) [Barrie Thorne, chair]
Carolyn Chen, 2001 [Ann Swidler, chair] {Northwestern University}
Eric Brown, 2000 [Troy Duster, chair] {Carnegie Mellon University}
Kamau Baraku, 2000 [Troy Duster, chair] {Bowdoin College}
Lorenza Hall, 2000 [Troy Duster, chair] {Arizona State University}
Sean O'Riain, 1999 [Michael Burawoy, chair] {UC Davis}
Charlotte Chiu, 1998 [Neil Fligstein, chair] {self-employed}
Daniel P. Dohan, 1997 [Martín Sánchez-Jankowski, chair] {UCSF}
John Martin, 1996 [Ann Swidler, chair] {University of Wisconsin}
Jeff Manza, 1996 [Jerry Karabel, chair] {Northwestern University}
Theodore P. Gerber, 1995 [Victoria Bonnell, chair] {University of Wisconsin}
Brian Rich, 1993 [Michael Burawoy, chair] {Transylvania University}
Susan Thistle, 1992 [Kristin Luker, chair] {Northwestern University}
Xiaowei Zang, 1992 [Thomas Gold, chair] {City University of Hong Kong}
Martin Gilens, 1991 [Neil Smelser, chair] {Princeton University}
Paul T. Johnston, 1990 [Michael Burawoy, chair] {UCSC}
Melanie Archer, 1988 [Claude S. Fischer, chair] {lawyer in private practice}
Thomas Janowski, 1987 [Harold Wilensky, chair] {University of Kentucky}

Dissertations other departments

Gretchen Stockmayer, 2004 (Demography) [Ken Wachter, chair]
Douglas Strand, 2002 (Political Science) [Merrill Shanks, chair]
Mario Delci, 2002 (Education) [David Stern, chair]
Mary Charlotte Chandler, 2001 (Graduate Theological Union) [John Coleman, chair] {Georgetown}
Laurel Elms, expected 2001 (Political Science) [Henry Brady, chair] {Berkeley}
Benjamin Highton, 1998 (Political Science) [Raymond Wolfinger, chair] {UC Davis}
Marc David Seidel, 1997 (Business Administration) [Glenn Carroll, chair] {University of Texas}
Joshua Goldstein, 1996 (Demography) [Ronald Lee, chair] {Princeton}
Debbie Blackwell, 1995 (Demography) [Kenneth Wachter, chair] {DK}
James Wade, 1993 (Business Administration) [Glenn Carroll, chair] {DK}
Anand Swaminathan, 1992 (Business Administration) [Glenn Carroll, chair] {Cornell}
James Barnett, 1989 (Business Administration) [Glenn Carroll, chair] {Stanford}
Warren Boeker, 1986 (Business Administration) [Glenn Carroll, chair] {DK}

Curriculum Vitae: Michael Hout

- Jonathan Krasno, 1992 (Political Science) [Raymond Wolfinger, chair] {DK}
- James M. Glaser, 1990 (Political Science) [Raymond Wolfinger, chair] {Tufts}
- Theodore Lascher, 1990 (Political Science) [Raymond Wolfinger, chair] {DK}
- Deborah Lee Balk, 1991 (Demography) [Ronald Lee, chair] {DK}
- Rebecca Payne, 1991 (Education) [David Stern, chair] {Oakland Unified School District}

Masters Theses

- Christine Carter, 2003 (1st reader)
- Rachel Sullivan, 2003 (2nd reader)
- Aaron Gullickson, 2002 (1st reader)
- Elizabeth Drogin, 2002 (2nd reader)
- Andrew Penner, 2002 (2nd reader)
- Keyvan Kashkooli, 2002 (2nd reader)
- Emily Beller, 2001 (1st reader)
- Christel Kessler, 2001 (1st reader)
- Katrinell M. Davis, 2001 (1st reader)
- Caroline Hanley, 2000 (2nd reader)
- Cid Martinez, 2000 (2nd reader)
- Erendira Rueda, 2000 (2nd reader)
- Anita Mathur, 2000 (1st reader)
- Cinzia Solari, 2000 (2nd reader)
- Melissa Wilde, 1999 (2nd reader)

University of Arizona

Dissertations chaired

- Charles M. Brody, 1981 {University of North Carolina, Charlotte}
- S. Philip Morgan, 1980 {Duke University}

Dissertations other chairs

- Lawrence Santi, 1982 [Otis Dudley Duncan, chair] {State of Arkansas}
- Douglas Sloane, 1981 [Maynard Erikson, chair] {Temple University}
- Hendrick Stronkhorst, 1980 [Robert L. Hamblin, chair] {Dutch Census Bureau}
- Brian L. Pitcher, 1979 [Robert L. Hamblin, chair] {Utah State University}
- James A. McRae, Jr., 1979 [Otis Dudley Duncan, chair] {DK}
- Mark Warr, 1979 [Gary Jensen, chair] {University of Texas, Austin}
- Carolyn S. White, 1978 [Ronald Schoenberg, chair] {University of Illinois}
- David Wismann, 1978 [Jerry L. L. Miller, chair] {DK}

Departmental Administration

University of California, Berkeley

- 2002-03 Committee on Academic Progress (fall)
 Departmental Awards (spring)
- 2001-02 Graduate Admissions
- 2000-01 Undergraduate Curriculum Committee
- 1999-2000 Junior Search (fall)
 Graduate Admissions (spring)
- 1998-99 Theory/Religion/Culture Search
- 1997-98 Committee on Academic Progress/
- 1995-96 Political Sociology Search, chair (fall)
 Graduate Admissions (spring)
- 1994-95 Committee on Academic Progress/Graduate Curriculum Committee
- 1993-94 Committee on Academic Progress/Graduate Curriculum Committee, chair
- 1992-93 Personnel Committee
- 1991-92 Teaching Committee, chair

Curriculum Vitae: Michael Hout

1988-91 Department Chair
1987-88 Committee on Academic Progress, chair
1986-87 Personnel Committee
1985-86 Personnel Committee
1984-85 Graduate Admissions Committee
University of Arizona
1982-83 Faculty Recruitment Committee, chair
1979-81 Executive Committee, junior member, elected
1979-80 Faculty Recruitment Committee

Campus Administration

University of California, Berkeley

2002-03 Executive Committee, Institute of Industrial Relations
2001-02 Chair, Search Committee for Director of Institute of Industrial Relations
2000 Ad Hoc Committee to Review the Chicano Latino Policy Project, Chair
1999-2001 Chair, Social Science ORU Council
1998-99 Executive Committee, Institute of Industrial Relations
1998 Ad Hoc Committee to Review the Department of Anthropology
1997-99 Committee on Research
1997-98 Earthquake Planning, Southwest Precinct
1993 Academic Planning Committee, Ad Hoc Committee on the Social Sciences
1993-96 Senate Committee on the Protection of Human Subjects
1992-98 Director, Survey Research Center
1992-96 Executive Committee, Institute of Industrial Relations, chair
1992-94 Executive Committee, Institute for Personality and Social Research
1992-94 Senate Committee on the Quantitative Reasoning Requirement
1991-92 Ad Hoc Committee on Social Science Computing, chair
1988 Ad Hoc Committee to Review the Department of Statistics
1988-89 Executive Committee, Survey Research Center

EXHIBIT B

Introduction

Declarations by Caroline Hoxby and Christine Rossell use advanced statistical methods and some pretty sophisticated concepts to address points that Jeannie Oakes raised in her synthesis declaration. My role is to assess their statistical analyses and associated claims. I conclude (1) that Hoxby's advice that some evidence ought to be discounted on "quality" grounds uses a definition of quality that is relevant in some settings but too narrow for this one, (2) that Hoxby's "school management effects" capture far more than just school management (so the very same evidence could be interpreted as consistent with Plaintiff's claims), (3) that Rossell's analysis seeks to explain variance across schools in the proportion of teachers with certification when the relevant comparison is between students who have credentialed teachers and those who do not, and (4) Rossell's statistical model requires that teachers' credentials and other factors immediately affect test results when the Plaintiffs' claims refer to patterns and problems that may appear over two or more years.

Evaluation of the Hoxby Statement

Hoxby uses a hierarchy of data quality to argue that much of the evidence that the Plaintiffs cite should be set aside. Her ratings of data quality are well-suited to the goals of the typical research project: estimating the magnitude of a known causal effect. More difficult is the task of discerning the presence or absence of causal effects from a list of suspected but unproven causes (see Goldthorpe 2001). Adding to the complexity in the school effects literature is the likelihood that factors are not simply additive in their effects. Some things are more effective in combination than alone. A wider array of methods and different approaches are appropriate to this phase of investigation when some factors are unknown and the important constellations of factors (statistically known as "interaction effects") cannot be specified in advance. In particular ethnographic and case-study methods, acknowledged to be inadequate for quantifying causal effects, are invaluable for settling the issue of whether a relationship is causal or merely statistical (e.g., Lieberman 1992; Burawoy 1998). Oakes is a leader in this kind of work. Hoxby inappropriately dismisses evidence of this sort as "anecdotal." Thus many of the studies that most clearly establish that teacher credentials matter, that some students do without textbooks, and that parents and school boards actively subvert equal spending provisions (without quantifying how much they matter) end up in her dustbin category. These studies deserve more consideration than she is willing to give them. When they are added into the mix, the preponderance of evidence points to school resources and practices as significant factors in achievement.

Hoxby's case is not all negative. She makes a positive case that local decision makers have the special knowledge that makes a difference in allocating local assets. She infers from that the states should leave spending choices up to those local decision makers. The empirical basis for her claim is a set of "school management effects" that she estimates using the California students in the NELS data. She displays the estimates in graphs on page 8 of her report. These estimates are the school-specific terms in a sophisticated "common effects" model. The approach is statistically state-of-the-art. The approach says that the total variance among students comes about because each school has different kinds of students enrolled in it and because each school

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is different from the others in a variety of ways. The “common effect” refers to the second piece of the variance -- the part shared by every student in a particular school. Hoxby follows all of the conventions researchers routinely use when employing a common effects model. For example, she uses a number of appropriate variables that explain a significant portion of the variation among students within each school. These attractive features do not hide two very serious problems with Hoxby’s analysis.

The “common effects” model, by definition, explains all the variation from school to school. In doing so, it necessarily aggregates all of the factors that students in a given school share. Hoxby chooses to refer to all of these factors as “school management effects.” However, in addition to sharing the management skill of the local decision-makers, the students in a school share the physical condition of the school, the racial composition of the teaching staff (although they differ in the racial ancestry of their own teachers), the safety of the surrounding neighborhood, the winning or losing records of the sports teams, and other factors that may be important but that my limited imagination cannot name. By calling the common effects “management effects,” Hoxby labels the sum of many effects with the name of her preferred factor among them. But she has no direct evidence that management skill is the biggest component of the sum. In fact, we cannot infer from these common effects whether management skill is important or irrelevant.

The common effects contain some broad hints about the kinds of things that go into them. Statisticians routinely make assumptions about factors that we cannot observe directly. A usual assumption is that there are lots of such things and that they offset one another on average -- even though they can be quite important in some individual cases. The common effects in Hoxby’s model could, in principle, be like that. But two things we know about them suggest that they are not. First we know that these common effects are the same for all students in a given school but vary from school to school. Second, in the statisticians’ usual model, the distribution of common effects tends toward a symmetrical, bell-curve shape as the figures on page 10 of Hoxby’s report. But the common effects that she reports on page 8 are decidedly lopsided, implying that usual conventions do not apply. The patterns on page 8 imply a set of skewed inputs that are correlated with one another. The actual inputs are out of sight; they might be one of factors I listed above. In my professional opinion, they are more likely to be some combination of them.

Uncertainty of the sort that I expressed in the previous paragraph is unavoidable in the application of the common effects model. Most researchers avoid rendering an interpretation of common effects, in deference to the uncertainties. Instead, researchers use common effects as control variables that are important to hold constant while interpreting the coefficients for within-school effects that we actually observe. It is rare to find a researcher willing to interpret a set of common effects as the consequence of just one variable (I cannot actually cite a single example, though there must be two or three somewhere in the published literature).

Hoxby supplements her main analysis of the NELS data with administrative data from the California STAR program. She has no within-school controls here so the estimates are inferior to the ones she made from NELS. Here she gets the bell-curve that indicates many small and uncorrelated causes. If I could be certain that these coefficients are not an artifact of some sort, I would conclude that they actually discount management skill as the source of common effects;

it is highly unlikely that management skill is distributed so symmetrically and neatly. But I have doubts about the common-effect arrays on page 10 because I have never seen such symmetrical distributions before -- except when a model was constrained to produce symmetrical output. If I were refereeing this work for a scholarly journal, I would ask the author whether she used some standardization technique to produce such an even pattern by design. In short I wonder if these results are an artifact of how the tests get scored, how the coefficients got calculated, or some other technical factor. In my experience using these methods and supervising students using them, common effects distributions have always come out asymmetrical (such as those on page 8).

Rossell Statement

Hakuta, quoted by Oakes, concludes that poor students and students who do not speak English as their first language (ESL students) are more likely to have inexperienced teachers or teachers certified with emergency credentials. Rossell counters with some regression analyses that explain the variance across schools in the percentage of teachers with emergency credentials. These regressions fail to address the question of whether poor and ESL students are more or less likely than others to have teachers certified by emergency credentials. A relevant calculation would take students -- not schools -- as the universe of analysis. It would classify students as either poor-or-not and ESL-or-not. It would cross-classify these two student characteristics with teacher credentials -- emergency-or-not. Then a simple difference of proportions test would tell us whether poor and non-poor students have an equal chance of having a teacher with emergency credentials and whether ESL and other students, likewise, have an equal chance of having a teacher with emergency credentials.

Rossell's analysis is also peculiar because her hypothetical calculations fail to reproduce the statewide figure of 24 percent of teachers having emergency credentials. For her hypothetical schools of 30 teachers, we should see an average of 7.2 teachers with emergency credentials. We see far fewer. That suggests that she neglected to weight each school by the number of students enrolled. If emergency-credentialed teachers are concentrated in the large schools but those schools receive the same weight in the analysis as the small schools with a below-average representation of teachers with emergency credentials, then the average across schools will not match the average across California. At least I think that is why her figures do not match the statewide average. There might be some other analysis decision behind this peculiar outcome. In any event the analysis should be corrected to reproduce the statewide representation of teachers with emergency credentials.

Next Rossell presents some multiple regressions that she views as evidence that teachers with regular and emergency credentials are equally effective. The regressions have very impressive R-squares but do not address the question. The R-squares are large simply because she includes the average of previous test scores as one of the "explanatory variables." But of course "schools do well because they have done well in the past" is not much of an explanation. More importantly, any negative effect that emergency-credentialed teachers might have had on past performance is removed by statistically controlling for that deficit along with all other parts of past test scores.

References:

Burawoy, Michael. 1998. "The Extended Case Method." *Sociological Theory* 16:4-33.

Goldthorpe, John H., 2001. *On Sociology: Narratives, Numbers, and the Integration of Research and Theory*. Oxford: Oxford University Press.

Lieberson, Stanley. 1992. "Einstein, Renoir, and Greeley: Some Thoughts About Evidence in Sociology." *American Sociological Review* 57:1-15.