This document contains a listing of all data sets that are provided with the third edition of *Introductory Econometrics: A Modern Approach*. For each data set, I list its source (wherever possible), where it is used or mentioned in the text (if it is), and, in some cases, notes on how an instructor might use the data set to generate new homework exercises, exam problems, or term projects. In some cases, I suggest ways to improve the data sets.

**401K.RAW**


Professor Papke kindly provided these data. She gathered them from the Internal Revenue Service’s Form 5500 tapes.

**Used in Text:** pages 69-70, 85, 142-143, 181-182, 224, 695-697

**Notes:** This data set is used in a variety of ways in the text. One additional possibility is to investigate whether the coefficients from the regression of *prate* on *mrate*, log(*totemp*) differ by whether the plan is a sole plan. The Chow test (see Section 7.4), and the less restrictive version that allows different intercepts, can be used.

**401KSUBS.RAW**


Professor Abadie kindly provided these data. He obtained them from the 1991 Survey of Income and Program Participation (SIPP).

**Used in Text:** pages 174-175, 228-229, 267-269, 303, 338, 547-548

**Notes:** This data set can also be used to illustrate the binary response models, probit and logit, in Chapter 17, where, say, *pira* (an indicator for having an individual retirement account) is the dependent variable, and *e401k* [the 401(k) eligibility indicator] is the key explanatory variable.
ADMNREV.RAW


Used in Text: not used

Notes: This is not so much a data set as a summary of so-called “administrative per se” laws at the state level, for three different years. It could be supplemented with drunk-driving fatalities for a nice econometric analysis. In addition, the data for 2000 or later years can be added, forming the basis for a term project. Many other explanatory variables could be included. Unemployment rates, state-level tax rates on alcohol, and membership in MADD are just a few possibilities.

AFFAIRS.RAW


I collected the data from Professor Fair’s web site at the Yale University department of economics. He originally obtained the data from a survey by Psychology Today.

Used in Text: not used

Notes: This is an interesting data set for problem sets, starting in Chapter 7. Even though naffairs (number of extramarital affairs a woman reports) is a count variable, a linear model can be used. Or, you could ask the students to estimate a linear probability model for the binary indicator affair (equal to one of the woman reports having any extramarital affairs). One possibility is to test whether putting the marriage rating variable, ratemarr, is enough, against the alternative that a full set of dummy variables is needed; see pages 241-242 for a similar example. This is also a good data set to illustrate Poisson regression (using naffairs) in Section 17.3 or probit and logit (using affair) in Section 17.1.

AIRFARE.RAW

Source: Jiyoung Kwon, a doctoral candidate in economics at MSU, kindly provided these data, which she obtained from the Domestic Airline Fares Consumer Report by the U.S. Department of Transportation.

Used in Text: pages 506, 580-581

Notes: This data set nicely illustrates the different estimates obtained when applying pooled OLS, random effects, and fixed effects.
APPLE.RAW

Source: These data were used in the doctoral dissertation of Jeffrey Blend, Department of Agricultural Economics, Michigan State University, 1998. The thesis was supervised by Professor Eileen van Ravensway. Drs. Blend and van Ravensway kindly provided the data, which were obtained from a telephone survey conducted by the Institute for Public Policy and Social Research at MSU.

Used in Text: pages 207, 228, 270, 628-629

Notes: This data set is close to a true experimental data set because the price pairs facing a family were randomly determined. In other words, the family head was presented with prices for the eco-labeled and regular apples, and then asked how much of each kind of apple they would buy at the given prices. As predicted by basic economics, the own price effect is strongly negative and the cross price effect is strongly positive. While the main dependent variable, ecolbs, piles up at zero, estimating a linear model is still worthwhile. Interestingly, because the survey design induces a strong positive correlation between the prices of eco-labeled and regular apples, there is an omitted variable problem if either of the price variables is dropped from the demand equation. A good exam question is to show a simple regression of ecolbs on ecoprc and then a multiple regression on both prices, and ask students to decide whether the price variables must be positively or negatively correlated.

ATHLET1.RAW


The Official 1995 College Basketball Records Book, 1994, NCAA.


Used in Text: page 701

Notes: These data were collected by Patrick Tulloch, an MSU economics major, for a term project. The “athletic success” variables are for the year prior to the enrollment and academic data. Updating these data to get a longer stretch of years, and including appearances in the “Sweet 16” NCAA basketball tournaments, would make for a more convincing analysis. With the growing popularity of women’s sports, especially basketball, an analysis that includes success in women’s athletics would be interesting.

ATHLET2.RAW


Notes: These data were collected by Paul Anderson, an MSU economics major, for a term project. The score from football outcomes for natural rivals (Michigan-Michigan State, California-Stanford, Florida-Florida State, to name a few) is matched with application and academic data. The application and tuition data are for Fall 1994. Football records and scores are from 1993 football season. Extended these data to obtain a long stretch of panel data could be very interesting.

ATTEND.RAW

Source: These data were collected by Professors Ronald Fisher and Carl Liedholm during a term in which they both taught principles of microeconomics at Michigan State University. Professors Fisher and Liedholm kindly gave me permission to use a random subset of their data, and their research assistant at the time, Jeffrey Guilfoyle, provided helpful hints.

Notes: The attendance figures were obtained by requiring students to slide their ID cards through a magnetic card reader, under the supervision of a teaching assistant. You might have the students use final, rather than the standardized variable, so that they can see the statistical significance of each variable remains exactly the same. The standardized variable is used only so that the coefficients measure effects in terms of standard deviations from the average score.

AUDIT.RAW


Notes: The attendance figures were obtained by requiring students to slide their ID cards through a magnetic card reader, under the supervision of a teaching assistant. You might have the students use final, rather than the standardized variable, so that they can see the statistical significance of each variable remains exactly the same. The standardized variable is used only so that the coefficients measure effects in terms of standard deviations from the average score.

BARIUM.RAW


Dr. Krupp kindly provided the data. They are monthly data covering February 1978 through December 1988.

Note: Rather than just having intercept shifts for the different regimes, one could conduct a full Chow test across the different regimes.

BEAUTY.RAW


Professor Hamermesh kindly provided me with the data. For manageability, I have included only a subset of the variables, which results in somewhat larger sample sizes than reported for the regressions in the Hamermesh and Biddle paper.

Used in Text: pages 242, 269-270

BWGHT.RAW


Professor Mullahy kindly provided the data. He obtained them from the 1988 National Health Interview Survey.


BWGHT2.RAW

Source: Dr. Zhehui Luo, a recent MSU Ph.D. in economics and Visiting Research Associate in the Department of Epidemiology at MSU, kindly provided these data. She obtained them from state files linking birth and infant death certificates, and from the National Center for Health Statistics natality and mortality data.

Used in Text: page 228

Notes: Much can be done with this data set. In addition to number of prenatal visits, smoking and alcohol consumption (during pregnancy) are included as explanatory variables. These can be added to equations of the kind found in Exercise C6.10. In addition, the one- and five-minute APGAR scores are included. These are measures of the well being of infants just after birth. An interesting feature of the score is that it is bounded between zero and 10, making a linear model less than ideal. Still, a linear model would be informative, and you might ask students about predicted values less than zero or greater than 10.
**CAMPUS.RAW**

**Source:** These data were collected by Daniel Martin, a former MSU undergraduate, for a final project. They come from the FBI Uniform Crime Reports and are for the year 1992.

**Used in Text:** pages 137-138

**Notes:** Colleges and universities are now required to provide much better, more detailed crime data. A very rich data set can now be obtained, even a panel data set for colleges across different years. Statistics on male/female ratios, fraction of men/women in fraternities or sororities, policy variables – such as a “safe house” for women on campus, as was started at MSU in 1994 – could be added as explanatory variables. The crime rate in the host town would be a good control.

**CARD.RAW**


Professor Card kindly provided these data.

**Used in Text:** pages 523-525, 545-546

**Notes:** Computer Exercise C15.3 is important for analyzing these data. There, it is shown that the instrumental variable, nearc4, is actually correlated with IQ, at least for the subset of men for which an IQ score is reported. However, the correlation between nearc4 and IQ, once the other explanatory variables are netted out, is arguably zero. (At least, it is not statistically different from zero.) In other words, nearc4 fails the exogeneity requirement in a simple regression model but it passes – at least using the crude test described above – if controls are added to the wage equation.

For a more advanced course, a nice extension of Card’s analysis is to allow the return to education to differ by race. A relatively simple extension is to include black⋅educ as an additional explanatory variable; its natural instrument is black⋅nearc4.

**CEMENT.RAW:**


Professor Shea kindly provided these data.

**Used in Text:** page 578-579
Notes: Compared with Shea’s analysis, the producer price index (PPI) for fuels and power has been replaced with the PPI for petroleum. The data are monthly and have not been seasonally adjusted.

CEOSAL1.RAW

Source: I took a random sample of data reported in the May 6, 1991 issue of Businessweek.


Notes: This kind of data collection is relatively easy for students just learning data analysis, and the findings can be interesting. A good term project is to have students collect a similar data set using a more recent issue of Businessweek, and to find additional variables that might explain differences in CEO compensation. My impression is that the public is still interested in CEO compensation.

CEOSAL2.RAW

Source: See CEOSAL1.RAW

Used in Text: pages 70, 116-117, 172, 334, 702

Notes: In this CEO data set, more information about the CEO, rather than about the company, is included.

CONSUMP.RAW

Source: I collected these data from the 1997 Economic Report of the President. Specifically, the data come from Tables B-71, B-15, B-29, and B-32.

Used in Text: pages 378, 410, 444, 570, 578, 676

Notes: For a student interested in time series methods, updating this data set and using it in a manner similar to that in the text could be acceptable as a final project.

CORN.RAW


This small data set is reported in the article.

Used in Text: pages 803-804
Notes: You could use these data to illustrate simple regression, where the intercept should be zero: no corn pixels should predict no corn planted.

CPS78_85.RAW

Source: Professor Henry Farber, now at Princeton University, compiled these data from the 1978 and 1985 Current Population Surveys. Professor Farber kindly provided these data when we were colleagues at MIT.

Used in Text: pages 452-453, 478-479

Notes: Obtaining more recent data from the CPS allows one to track, over a long period of time, the changes in the return to education, the gender gap, black-white wage differentials, and the union wage premium.

CPS91.RAW

Source: Professor Daniel Hamermesh, at the University of Texas, compiled these data from the May 1991 Current Population Survey. Professor Hamermesh kindly provided these data.

Used in Text: pages 629-630

Notes: This is much bigger than the other CPS data sets, and it is much bigger than MROZ.RAW, too. In addition to the usual productivity factors for the women in the sample, we have information on the husband. Therefore, we can estimate a labor supply function as in Chapter 16, although the validity of potential experience as an IV for log(wage) is questionable. (MROZ.RAW contains an actual experience variable.) Perhaps more convincing is to add hours to the wage offer equation, and instrument hours with indicators for young and old children. This data set also contains a union indicator.

CRIME1.RAW


Professor Grogger kindly provided a subset of the data he used in his article.


CRIME2.RAW

Source: These data were collected by David Dicicco, a former MSU undergraduate, for a final project. They came from various issues of the County and City Data Book, and are for the years 1982 and 1985. Unfortunately, I do not have the list of cities.

Used in Text: pages 316-317, 461-464
Notes: Very rich crime data sets, at the county, or even city, level, can be collected using the FBI’s *Uniform Crime Reports*. These data can be matched up with demographic and economic data, at least for census years. The *County and City Data Book* contains a variety of statistics, but the years do not always match up.

**CRIME3.RAW:**


**Used in Text:** pages 466-467, 480

**Notes:** These data are for the years 1972 and 1978 for 53 police districts in Norway. Much larger data for more years can be obtained for the United States, although a measure of the “clear-up” rate is needed.

**CRIME4.RAW**


Professor Cornwell kindly provided the data.

**Used in Text:** pages 474-475, 481, 503, 579

**Notes:** Computer Exercise C16.7 shows that variables that might seem to be good instrumental variable candidates are not always so good, especially after applying a transformation such as differencing across time. You could have the students do an IV analysis for just, say, 1987.

**DISCRIM.RAW**


Professor Graddy kindly provided the data set.

**Used in Text:** pages 118, 175, 703

**Notes:** If you want to assign a common final project, this would be a good data set. There are many possible dependent variables, namely, prices of various fast-food items. The key variable is the fraction of the population that is black, along with controls for poverty, income, housing values, and so on. These data were also used in a famous study by David Card and Alan Krueger on estimation of minimum wage effects on employment. See the book by Card and Krueger, *Myth and Measurement*, 1997, Princeton University Press, for a detailed analysis.
EARN.S.RAW

Source: *Economic Report of the President*, 1989, Table B-47. The data are for the non-farm business sector.

Used in Text: pages 363, 399-400, 408

Notes: These data could be usefully updated, but changes in reporting conventions in more recent *ERPs* may make that difficult.

ENGIN.RAW

Source: Thada Chaisawangwong, a graduate student at MSU, used these data for a term project in applied econometrics. They come from the Material Requirement Planning Survey carried out in Thailand during 1998.

Used in Text: not used

Notes: This is a nice change of pace from wage data sets for the United States. These data are for engineers in Thailand, and represents a more homogeneous group than data sets that consist of people in a variety of occupations. Plus, the starting salary is also provided in the data set, so factors affecting wage growth – and not just wage levels at a given point in time – can be studied. A good data set for a common term project.

EZANDERS.RAW


Professor Papke kindly provided these data.

Used in Text: page 377

Notes: These are actually monthly unemployment claims for the Anderson enterprise zone. Papke used annualized data, across many zones and non-zones, in her analysis.

EZUNEM.RAW

Source: See EZANDERS.RAW

Used in Text: pages 473, 504

Notes: A very good project is to have students analyze enterprise, empowerment, or renaissance zone policies in their home states. Many states now have such programs. A few years of panel data straddling periods of zone designation, at the city or zip code level, could make a nice study.
FAIR.RAW


The data set is reported in the article.

**Used in Text:** pages 361-363, 442, 443-444

**Notes:** This is a data set begging to be updated. One could check Professor Fair’s web site at Yale University. In any case, he spells out the definitions carefully in the above article. Students might want to try their own hands at predicting the most recent election outcome, but they should be restricted to no more than a handful of explanatory variables.

FERTIL1.RAW


Professor Sander kindly provided the data, which are a subset of what he used in his article. He compiled the data from various years of the National Opinion Resource Center’s General Social Survey.

**Used in Text:** pages 450-451, 478, 538, 627, 683

**Notes:** It would be very interesting to analyze a similar data set for a developing country, especially where efforts have been made to emphasize birth control. Some measure of access to birth control could be useful if it varied by region. Often, policy changes in the advertisement or availability of contraceptives can be found.

FERTIL2.RAW

**Source:** These data were obtained by James Heakins, a former MSU undergraduate, for a term project. They come from Botswana’s 1988 Demographic and Health Survey.

**Used in Text:** page 545

**Notes:** Currently, this data set is used only in one computer exercise. Since the dependent variable of interest – number of living children or number of children every born – is a count variable, the Poisson regression model can be used. However, some care is required to combine Poisson regression with an endogenous explanatory variable (educ). I refer you to Chapter 19 of my book *Econometric Analysis of Cross Section and Panel Data*. Even in the context of linear models, much can be done beyond Computer Exercise C15.2. At a minimum, the binary indicators for various religions can be added as controls. One might also interact the schooling variable, *educ*, with some of the exogenous explanatory variables.
FERTIL3.RAW


The data are given in the article.


FISH.RAW


Professor Graddy's collaborator on a later paper, Professor Joshua Angrist at MIT, kindly provided me with these data.

Used in Text: pages 444-445, 579-580

Notes: This is a nice example of how one can find exogenous variables to use as instrumental variables. Often, weather conditions can be assumed to affect supply while having a negligible effect on demand. If so, the weather variables are valid instrumental variables for price in the demand equation. It is a simple matter to test whether prices vary with weather conditions by estimating the reduced form for price.

FRINGE.RAW


Professor Vella kindly provided the data.

Used in Text: pages 626-627

Notes: Currently, this data set is used in only one Computer Exercise, to illustrate the Tobit model. But it can be used much earlier. First, one could just ignore the pileup at zero and use a linear model where any of the hourly benefit measures is the dependent variable. Another possibility is to use this data set for a problem set in Chapter 4, after students have read Example 4.10. That example, which uses teacher salary/benefit data at the school level, finds the expected tradeoff, although it appears to less than one-to-one. By contrast, if you do a similar analysis with FRINGE.RAW, you will not find a tradeoff. A positive coefficient on the benefit/salary ratio is not too surprising because we probably cannot control for enough factors, especially when looking across different occupations. The Michigan school-level data is more aggregated than one would like, but it does restrict attention to a more homogeneous group: high school teachers in Michigan.
GPA1.RAW

Source: Christopher Lemmon, a former MSU undergraduate, collected these data from a survey of MSU students in Fall 1994.


Notes: This is a nice example of how students can obtain an original data set by focusing locally, and carefully composing a survey.

GPA2.RAW

Source: For confidentiality reasons, I cannot provide the source of these data. I can say that they come from a midsize research university that also supports men’s and women’s athletics at the Division I level.


GPA3.RAW

Source: See GPA2.RAW

Used in Text: pages 250-252, 276, 299, 480

HPRICE1.RAW

Source: Collected from the real estate pages of the Boston Globe during 1990. These are homes selling in the Boston, MA area.


Notes: Typically, it is very easy to obtain data on selling prices and characteristics of homes, using publicly-available data bases. It is interesting to match the information on houses with other information – such as local crime rates, quality of the local schools, pollution levels, and so on – and estimate the effects of such variables on housing prices.

HPRICE2.RAW

Diego Garcia, a former Ph.D. student in economics at MIT, kindly provided these data, which he obtained from the book *Regression Diagnostics: Identifying Influential Data and Sources of Collinearity*, by D.A. Belsey, E. Kuh, and R. Welsch, 1990. New York: Wiley.

**Used in Text:** pages 114, 139, 197, 202-204

**Notes:** The census contains rich information on variables such as median housing prices, median income levels, average family size, and so on, for fairly small geographical areas. If such data can be merged with pollution data, one can update the Harrison and Rubinfeld study. Presumably, this has been done often in academic journals.

**HSEINV.RAW**


The data are contained in the article.

**Used in Text:** pages 366-367, 371, 408, 638-639, 674, 846

**HTV.RAW**


Professor Tobias kindly provided the data, which were obtained from the 1991 National Longitudinal Survey of Youth. All people in the sample are males age 26 to 34. For confidentiality reasons, I have included only a subset of the variables used by the authors.

**Used in Text:** pages 548-549

**Notes:** Because an ability measure is included in the data set, it can be used as another illustration of including proxy variables in regression models. See Chapter 9.

**INFMRT.RAW**

**Source:** *Statistical Abstract of the United States*, 1990 and 1994. (For example, the infant mortality rates come from Table 113 in 1990 and Table 123 in 1994.)

**Used in Text:** pages 331, 337

**Notes:** An interesting exercise is to add the percent of the population on AFDC (*afdcper*) to the infant mortality equation. Pooled OLS and first differencing can give very different estimates.
Adding the years 1998 and 2002 and applying fixed effects seems natural. Intervening years can be added, too, although variation in the key variables from year to year might be minimal.

INJURY.RAW


Professor Meyer kindly provided the data.

Used in Text: pages 459-460, 477-478

Notes: This data set can be used to illustrate the Chow test in Chapter 7. In particular, students can test whether the regression functions differ between Kentucky and Michigan. Or, allowing an intercept difference, do the slopes differ? Also, it shows that a small R-squared is compatible with being able to estimate the effects of a policy.

INTDEF.RAW

Source: From the Economic Report of the President, 2004, Tables B-64, B-73, and B-79.

Used in Text: pages 355, 377, 378, 431, 546

INTQRT.RAW

Source: From Salomon Brothers, Analytical Record of Yields and Yield Spreads, 1990. The folks at Salomon Brothers kindly provided the Record at no charge when I was an assistant professor at MIT.


Notes: A nice feature of the Salomon Brothers data is that the interest rates are not averaged over a month or quarter – they are end-of-month or end-of-quarter rates. Asset pricing theories apply to such “point-sampled” data, and not to averages over a period. Most other sources report monthly or quarterly averages. This is a good data set to update and test whether current data are more or less supportive of basic asset pricing theories.

INVEN.RAW


Used in Text: pages 409, 446, 644-645, 846
JTRAIN.RAW


The authors kindly provided the data.


JTRAIN2.RAW


Professor Jeff Biddle, at MSU, kindly passed the data set along to me. He obtained it from Professor Lalonde.

Used in Text: pages 21, 338-339, 627-628

Notes: Professor Lalonde obtained the data from the National Supported Work Demonstration job-training program conducted by the Manpower Demonstration Research Corporation in the mid 1970s. Training status was randomly assigned, so this is essentially experimental data. Computer Exercise C17.8 looks only at the effects of training on subsequent unemployment probabilities. For illustrating the more advanced methods in Chapter 17, a good exercise would be to have the students estimate a Tobit of \( \text{re78 on train} \), and obtain estimates of the expected values for those with and without training. These can be compared with the sample averages.

JTRAIN3.RAW


Professor Sergio Firpo, at the University of British Columbia, has used this data set in his recent work, and he kindly provided it to me. This data set is a subset of that originally used by Lalonde in the study cited for JTRAIN2.RAW.


KIELMC.RAW


Professor McClain kindly provided the data, of which I used only a subset.
Used in Text: pages 224-225, 455-458, 477, 479

LAWSCH85.RAW


Used in Text: pages 112-113, 173, 243

Notes: More recent versions of both cited documents are available. One could try a similar analysis for, say, MBA programs or Ph.D. programs in economics. Quality of placements may be a good dependent variable, and measures of business school or graduate program quality could be included among the explanatory variables. Of course, one would want to control for factors describing the incoming class so as to isolate the effect of the program itself.

LOANAPP.RAW


Professor Walker kindly provided the data.

Used in Text: 267, 302, 337, 626


LOWBRTH.RAW


Used in Text: not used

Notes: This data set can be used very much like INFMRT.RAW. It contains two years of state-level panel data. In fact, it is a superset of INFMRT.RAW. The key is that it contains information on low birth weights, as well as infant mortality. It also contains state identifies, so that several years of more recent data could be added for a term project. Putting in the variable afcdprc and its square leads to some interesting findings for pooled OLS and fixed effects (first differencing). After differencing, you can even try using the change in the AFDC payments variable as an instrumental variable for the change in afcdprc.
MATHPNL.RAW

Source: Leslie E. Papke, an economics professor at MSU, collected these data from Michigan Department of Education web site, www.michigan.gov/mde. These are district-level data, which Professor Papke kindly provided. She has used building-level data in “The Effects of Spending on Test Pass Rates: Evidence from Michigan” (2003), Journal of Public Economics 89, 821-839.

Used in Text: pages 481-482, 505

MEAP01.RAW


Used in Text: page 20

Notes: This is another good data set to compare simple and multiple regression estimates. The expenditure variable (in logs, say) and the poverty measure (lunch) are negatively correlated in this data set. A simple regression of math4 on lexppp gives a negative coefficient. Controlling for lunch makes the spending coefficient positive and significant.

MEAP93.RAW

Source: I collected these data from the old Michigan Department of Education web site. See MATHPNL.RAW for the current web site. I used data on most high schools in the state of Michigan for 1993. I dropped some high schools that had suspicious-looking data.

Used in Text: pages 55-56, 71, 117-118, 133-134, 163-165, 224, 335, 337, 700

Notes: Many states have data, at either the district or building level, on student performance and spending. A good exercise in data collection and cleaning is to have students find such data for a particular state, and to put it into a form that can be used for econometric analysis.

MLB1.RAW

Source: Collected by G. Mark Holmes, a former MSU undergraduate, for a term project. The salary data were obtained from the New York Times, April 11, 1993. The baseball statistics are from The Baseball Encyclopedia, 9th edition, and the city population figures are from the Statistical Abstract of the United States.

Used in Text: pages 151-157, 174, 248-249, 265-266

Notes: The baseball statistics are career statistics through the 1992 season. Players whose race or ethnicity could not be easily determined were not included. It should not be too difficult to obtain the city population and racial composition numbers for Montreal and Toronto for 1993. Of course, the data can be pretty easily obtained for more recent players.
MROZ.RAW


Professor Ernst R. Berndt, of MIT, kindly provided the data, which he obtained from Professor Mroz.


MURDER.RAW


Used in Text: pages 482, 504-505, 546-547

Notes: Prosecutors in different counties might pursue the death penalty with different intensities, so it makes sense to collect murder and execution data at the county level. This could be combined with better demographic information at the county level, along with better economic data (say, on wages for various kinds of employment).

NBASAL.RAW

Source: Collected by Christopher Torrente, a former MSU undergraduate, for a term project. He obtained the salary data and the career statistics from *The Complete Handbook of Pro Basketball, 1995*, edited by Zander Hollander. New York: Signet. The demographic information (marital status, number of children, and so on) was obtained from the teams’ 1994-1995 media guides.

Used in Text: pages 227, 268

Notes: A panel version of this data set could be useful for further isolating productivity effects of marital status. One would need to obtain information on enough different players in at least two years, where some players who were not married in the initial year are married in later years. Fixed effects (or first differencing, for two years) is the natural estimation method.
**NYSE.RAW**

**Source:** These are Wednesday closing prices of value-weighted NYSE average, available in many publications. I do not recall the particular source I used. Probably the easiest way to get similar data is to go to the NYSE web site, www.nyse.com.

**Used in Text:** pages 389-390, 408-409, 437, 439, 442, 443, 666

**OPENNESS.RAW**


The data are included in the article.

**Used in Text:** pages 565, 578

**PENSION.RAW**


Professor Papke kindly provided the data. She collected them from the National Longitudinal Survey of Mature Women, 1991.

**Used in Text:** pages 505-506

**PHILLIPS.RAW**

**Source:** *Economic Report of the President*, 2004, Tables B-42 and B-64.


**PNTSPRD.RAW**

**Source:** Collected by Scott Resnick, a former MSU undergraduate, from various newspaper sources.

**Used in Text:** pages 301, 625-626, 700

**Notes:** The data are for the 1994-1995 men’s college basketball seasons. The spread is for the day before the game was played.
PRISON.RAW


Professor Levitt kindly provided me with the data, of which I used a subset.

Used in Text: pages 572-573

PRMINWGE.RAW


The data are reported in the article.

Used in Text: pages 355-356, 369, 421, 435

Notes: Given the ongoing debate on the employment effects of the minimum wage, this would be a great data set to try to update. The coverage rates are the most difficult variables to construct.

RECID.RAW


Professor Chung kindly provided the data.

Used in Text: pages 611-613, 627

RDCHEM.RAW


Used in Text: pages 71, 146-147, 168, 210, 223, 328-330, 337

Notes: It would be interesting to collect more recent data and see whether the R&D/firm size relationship has changed.
RDTELEC.RAW

Source: See RDCHEM.RAW

Used in Text: not used

Notes: According to these data, the R&D/firm size relationship is different in the telecommunications industry than in the chemical industry: there is pretty strong evidence that R&D intensity decreases with firm size in telecommunications. Of course, that was in 1991. The data could easily be updated, and a panel data set could be constructed.

RENTAL.RAW

Source: David Harvey, a former MSU undergraduate, collected the data for 64 “college towns” from the 1980 and 1990 United States censuses.

Used in Text: page 169, 479-480, 503

Notes: These data can be used in a somewhat crude simultaneous equations analysis, either focusing on one year or pooling the two years. (In the latter case, in an advanced class, you might have students compute the standard errors robust to serial correlation across the two time periods.) The demand equation would have $l_{tothsg}$ as a function of $l_{rent}$, $l_{avginc}$, and $l_{pop}$. The supply equation would have $l_{tothsg}$ as a function of $l_{rent}$, $pctst$, and $l_{pop}$. Thus, in estimating the demand function, $pctstu$ is used as an IV for $l_{rent}$. Clearly one can quibble with excluding $pctstu$ from the demand equation, but the estimated demand function gives a negative price effect.

Getting information for 2000, and adding many more college towns, would make for a much better analysis. Information on number of spaces in on-campus dormitories would be a big improvement, too.

RETURN.RAW

Source: Collected by Stephanie Balys, a former MSU undergraduate, from the New York Stock Exchange and Compustat.

Used in Text: 171-172

Notes: More can be done with this data set. Recently, I discovered that $l_{sp90}$ does appear to predict return (and the log of the 1990 stock price works better than $sp90$). I am a little suspicious, but you could use the negative coefficient on $l_{sp90}$ to illustrate “reversion to the mean.”

SAVING.RAW

Source: Unknown
Used in Text: pages 287-288

Notes: I remember entering this data set in the late 1980s, and I am pretty sure it came directly from an introductory econometrics text. But so far my search has been fruitless. If anyone runs across this data set, I would appreciate knowing about it.

SLEEP75.RAW


Professor Biddle kindly provided the data.  

Used in Text: pages 70, 112, 171, 261, 266-267, 301-302

Notes: In their article, Biddle and Hamermesh include an hourly wage measure in the sleep equation. An econometric problem that arises is that the hourly wage is missing for those who do not work. Plus, the wage offer may be endogenous (even if it were always observed). Biddle and Hamermesh employ extensions of the sample selection methods in Section 17.5. See their article for details.

SLP75_81.RAW

Source: See SLEEP75.RAW

Used in Text: pages 465-466

SMOKE.RAW


Professor Mullahy kindly provided the data.  

Used in Text: page 190, 293-294, 299-300, 302, 577, 629

Notes: If you want to do a “fancy” IV version of Computer Exercise C16.1, you could estimate a reduced form count model for cigs using the Poisson regression methods in Section 17.3, and then use the fitted values as an IV for cigs. Presumably, this would be for a fairly advanced class.
TRAFFIC1.RAW


Used in Text: pages 469-470, 699

Notes: In addition to adding recent years, this data set could really use state-level tax rates on alcohol.

TRAFFIC2.RAW


Professor McCarthy kindly provided the data.

Used in Text: pages 379, 410, 444, 677, 699

Notes: Many states have changed maximum speed limits and imposed seat belt laws over the past 25 years. Data similar to those in TRAFFIC2.RAW should be fairly easy to obtain for a particular state.

TWOYEAR.RAW


With Professor Rouse’s kind assistance, I obtained the data from her web site at Princeton University.

Used in Text: pages 147-150, 174, 264-265, 337-338

Notes: As possible extensions, students can explore whether the returns to two-year or four-year colleges depend on race or gender. This is partly done in Problem 7.9 but where college is aggregated into one number. Also, should experience appear as a quadratic in the wage specification?

VOLAT.RAW


I obtained these data from the *Journal of Applied Econometrics* data archive at [http://qed.econ.queensu.ca/jae/](http://qed.econ.queensu.ca/jae/)
Used in Text: pages 378, 673, 674, 676-677

VOTE1.RAW


Used in Text: pages 37, 44, 173, 226, 301, 703

VOTE2.RAW

Source: See VOTE1.RAW

Used in Text: pages 334-335, 480-481, 703

Notes: These are panel data, at the Congressional district level, collected for the 1988 and 1990 U.S. House of Representative elections.

WAGE1.RAW

Source: These are data from the 1976 Current Population Survey, collected by Henry Farber when he and I were colleagues at MIT in 1988.

Used in Text: pages 7, 20, 36-37, 41, 81-82, 97-98, 131, 190, 200-202, 225, 234-235, 238, 239-240, 244, 247, 267, 274-275, 327, 680

Notes: Barry Murphy, of the University of Portsmouth in the UK, has pointed out that for several observations the values for exper and tenure are in logical conflict. In particular, for some workers the number of years with current employer (tenure) is greater than overall work experience (exper). At least some of these conflicts are due to the definition of exper as “potential” work experience, but probably not all. Nevertheless, I am using the data set in the form it was supplied to me.

WAGE2.RAW


Professor Neumark kindly provided the data, of which I used just the data for 1980.


Notes: As with WAGE1.RAW, there are some clear inconsistencies among the variables tenure, exper, and age. I have not been able to track down the causes, and so any changes would be
effectively arbitrary. Instead, I am using the data as provided by the authors of the above *QJE* article.

**WAGEPAN.RAW**


I obtained the data from the *Journal of Applied Econometrics* data archive at [http://qed.econ.queensu.ca/jae/](http://qed.econ.queensu.ca/jae/). This is generally a nice resource for undergraduates looking to replicate or extend a published study.

**Used in Text:** pages 489, 496-497, 504

**WAGEPRC.RAW**

**Source:** *Economic Report of the President*, various years.

**Used in Text:** pages 406, 443, 674

**Notes:** These monthly data run from January 1964 through October 1987. The consumer price index averages to 100 in 1967.

**WINE.RAW**

**Source:** These data were reported in a New York *Times* article, December 28, 1994.

**Used in Text:** not used

**Notes:** The dependent variables *deaths*, *heart*, and *liver* can be regressed against *alcohol* as nice simple regression examples. The conventional wisdom is that wine is good for the heart but not for the liver, something that is apparent in the regressions. Because the number of observations is small, this can be a good data set to illustrate the proper calculation of degrees of freedom and