Online Data Appendix for:

Francine D. Blau and Lawrence M. Kahn, "The Gender Wage Gap: Extent, Trends, and Sources," *Journal of Economic Literature*, forthcoming, manuscript 20160995.

This Appendix describes the construction of variables and samples used in our analysis of the PSID and CPS. It also provides means and regression results from the PSID data (see section IV).

I. PSID Documentation

Race and Ethnicity

- Race and ethnicity are controlled for using four mutually-exclusive categories: white non-Hispanic (the excluded category), black non-Hispanic, other non-Hispanic, and Hispanic.
- Classified as other non-Hispanic if the respondent ever reports being "other race"
- Classified as black non-Hispanic if the respondent ever reports being black
- Classified as Hispanic if the respondent ever reports being Hispanic or is of Spanish decent
- Otherwise, classified as white, non-Hispanic

Marital Status

- Marital Status is coded as:
 - 1. *Married* if report married
 - 2. Never Married if report "never married"
 - 3. other if report, widowed, divorced, or separated

Computation of Actual Experience

Data on actual experience from the PSID is obtained as follows. Whenever people join the PSID panel for the first time as a head or partner, they are asked how many years they worked since they were 18 years old, and, of these years, how many involved full-time work. In addition, in other years (1976 and 1985), the PSID asked all heads and partners these two questions regardless of when they joined the panel. The answers to these questions form the base from which we calculate actual full-time experience and part-time experience (which is defined as total experience minus full-time experience). Once we have these initial values for full-time and part time experience, we fill in the period between the date these questions were asked and the focal year by using the longitudinal work history data collected for all heads and partners in the years after they join the panel or in the years after 1976 or 1985, whichever comes last. For example, suppose the respondent joined the panel in 1987 and we want to compute full-time and part-time experience as of the 1990 survey. These were collected as of 1987. We then add 1 to total labor market experience for each year between 1987 and 1990 in which the person worked positive hours and 1 for full time experience for each year the person worked at least 1500 hours.

Part time experience is increased by 1 for each year there were positive but less than 1500 hours of employment.

One complication that arises is that the PSID began skipping alternate years with the 1999 survey, meaning that for 1999 and beyond we need to fill in two years of prior experience. Each wave contains different information that can be used to extract work status in the gap-year (e.g., 1997-98). Upon extracting as much information as possible, remaining missing values were filled in using statistical methods to impute the probability of working and full-time/part-time employment. For example, suppose we do not have information on annual work hours between 1997 and 1998. To fill in this missing year of experience, we estimate logit models separately by gender for having positive work hours and for working at least 1500 hours in the previous year for both 1997 and 1999. To estimate total and full-time experience for the missing year (i.e. the year between 1997 and 1998), we average the two predicted values for these variables from the 1999 logit and the 1997 logit. (This procedure is described in greater detail below.) Note that we do not fill in missing observations for other variables in this fashion. Our rationale for doing so for work experience is that it accumulates over time. If a respondent has a single missing value for any wave, then all subsequent work experience values will also be missing. Due to this cumulative nature, we fill in missing values for this variable.

Miscellaneous Experience Documentation

- o For total and FT years of experience, we censor experience that is strictly greater than age 18 to instead take the value of age 18
 - After censoring, we replace any negative values with 0
- We censor FT years of experience to be total experience if FT > total experience

Identifying Year that Experience was asked of Respondent (R)

As noted above, experience variables are only asked when there is a new head or partner, so it is important to be able to identify if a head or partner is new for any given wave. To generate a variable containing the year that the current R moved into the sample:

- For 1981 we:
 - Set the year moved in to be 1976 (because experience was asked of everyone in 1976)
 - We then iterate through years 1977 to 1981 and check if the R moved into the PSID in the given years and if so, then assign that year as the year experience is asked of them
- For waves 1989 and 1990
 - Set the year moved in to be 1985 (because experience was asked of everyone in 1985)
 - o For these years there is a variable that simply gives the year that the respondent entered the PSID. So we check this variable and assign the given year as the year that experience was asked
 - o For consistency, we then iterate through years 1986 to the given year and check if the R moved into the PSID in the given years and if so, then assign that year as the year experience is asked of them only if we still have 1985 recorded as the year moved in (i.e., step two did not reassign the variable)

- For waves 1997, 1999, and 2001
 - Set the year moved in to be 1985 (because experience was asked of everyone in 1985)
 - o For these years the most recent variable that simply gives the year that the respondent entered the PSID is in 1993. So we check this variable and assign the given year as the year that experience was asked
 - o For consistency, we then iterate through years 1986 to the given year and check if the R moved into the PSID in the given years and if so, then assign that year as the year experience is asked of them only if we still have 1985 recorded as the year moved in (i.e., step two did not reassign the variable)
- For waves 2003 2011
 - Set the year moved in to be 1985 (because experience was asked of everyone in 1985)
 - o For these years there is a variable that simply gives the year that the respondent entered the PSID. So we check this variable and assign the given year as the year that experience was asked
 - o For consistency, we then iterate through years 1986 to the given year and check if the R moved into the PSID in the given years and if so, then assign that year as the year experience is asked of them only if we still have 1985 recorded as the year moved in (i.e., step two did not reassign the variable)

We generate experience independently for each wave of interest (1981, 1990, 1999, and 2011¹). For waves 1981 through 1997, we employ the following algorithm. First we limit the sample to include only head, wives, and cohabitors for the given wave of interest. We identify the year that the respondent first enters the PSID. Generally, the PSID asks cumulative experience questions only to new heads and partners; however, each year they obtain the amount of work the respondent has completed since the last interview. The main exceptions are in 1976 and 1985, where total work histories were collected for all respondents.

Consider, for example, determining experience in 1981. We first determine when the respondent entered the sample in relation to 1976. If they entered after 1976 we use the total work history question asked of them in the year they entered and then increment up to 1981 experience values. (The PSID collects annual hours worked each year and we increment experience if annual hours are positive and increment full-time experience if annual hours are greater than or equal to 1500.) For respondents entering before 1976, we instead use the 1976 total work histories information as a base and similarly increment up to 1981 values. We employ similar strategies using the 1985 general experience questions for respondents entering the sample after 1985.

Beginning in 1997, the PSID began collecting survey information in alternating years. The PSID provides enough T-2 information to connect experience to 1998, 2000, 2008, and 2010 gap years directly.² As described below, for these waves, we employ statistical methods to impute the

¹ These years comprise our main focus. We also created a data set along similar lines for 2007 to check whether some of the results were sensitive to the impact of the Great Recession.

² The gap year is the year preceding the indicated year. For example, the 1999 survey provides information on work experience in the previous year as is routinely done in each survey. However, the alternate year survey frame creates a gap year for work experience in the year preceding 1998. This is filled by the T-2 variable.

probability of work status for respondents with missing values of these T-2 annual hours variables.

Each wave contains different information that can be used to extract work experience for the gap-year. Upon extracting as much information as possible, remaining missing values are filled using statistical methods to impute the probability of working and working full time. Below, Table 1 displays the specific variables used to fill in employment in the gap year. The bolded terms highlight which variables were used in the construction of the gap year annual hours worked, the remaining terms show which variables were used to determine whether or not the respondent worked at all during the gap year. For each wave respondents were asked about a number of jobs they had including start and stop months/years and hours worked per week. For each of these jobs we calculate the number of weeks worked during the gap year and then calculate an estimate for the annual work hours using the hours worked per week variable.

Table 1: Variables Used to Construct Gap Year Experience

Gap Year	PSID Variables
1998	Annual Earnings in 1997; Annual Hours in 1997; 6 J-Variables
2000	Annual Earnings in 1999; Annual Hours in 1999; 6 J-Variables
2002	Annual Earnings in 2001; 4 J-Variables; # of Add'l Jobs; Whether Worked Since Jan. 1 of Gap Year
2004	Annual Earnings in 2003; 4 J-Variables; # of Add'l Jobs; Whether Worked Since Jan. 1 of Gap Year
2006	Annual Earnings in 2005; 4 J-Variables; # of Add'l Jobs; Whether Worked Since Jan. 1 of Gap Year
2008	Annual Earnings in 2007; 4 J-Variables; # of Add'l Jobs; Whether Worked Since Jan. 1 of Gap Year
2010	Annual Earnings in 2009; 4 J-Variables; # of Add'l Jobs; Whether Worked Since Jan. 1 of Gap Year

Note: "J-Variables refer to information about jobs held during the period between interviews. These include start and stop dates for each job as well as average hours per week on each job. The bold variables show which data allow us to fill in the gap year annual hours.

For example, to fill in total work experience for 1998, a respondent is considered working if the T-2 annual hours > 0 or if they reported working across the gap year for any of the jobs variables or if annual earnings in the gap year does not equal 0. A respondent is considered to gain a year of FT experience in the gap year if T-2 annual hours $\geq 1,500$, or if the constructed annual hours for the job variables $\geq 1,500$. If both annual hours variables are below 1,500 but positive, then we consider the respondent to have gained a year of experience but not FT experience. Remaining missing values of either experience type are then filled in via the logit procedure explained below.

It is important to note that for waves 2003 and later instead of asking about 6 jobs, the PSID asked about 4 jobs and had a question asking how many other additional jobs were worked. T-2 annual hours is constructed the same way as before; the only difference comes in the calculation of FT work experience. If the respondent reports annual hours < 1,500 and also reports working additional jobs, then these values are set to missing instead of 0, because we cannot be sure that their other jobs would not boost their annual hours worked over the 1,500 threshold. Also, there

was a variable asking if they worked at all since the beginning of the gap year. This is used to fill in for total work experience.

Additional Detail on Filling Gap Year Work Experience

- For 2003 and later the PSID provides a variable for whether or not the R worked at all during the gap year
- For 1999 and 2001, gap year work experience is determined as follows:
 - o Respondents (R's) are asked about start and stop dates for 6 jobs (1 current employer and 5 other employers)
 - o For current employers, there are no end dates recorded (obviously), so for these we code the ending month to be 12 and the ending year to be the current year if the R provides valid start dates for the current employer
 - o Now for each of the 5 other employers:
 - Because some of these employers may also be current employers, we recode ending month to be 12 and ending year to be the current year if R report to be still working for that employer based on another PSID question
- A similar routine is used for 2003 2011, but instead there are only 4 jobs
 - O Also, the PSID does not provide whether (WTR) the R is still working for that employer. Instead that is imbedded into the inappropriate flag of the end date. So we condition on all the other possibilities in the inappropriate flag to isolate the cases where the R is still working for that employer. Only for these cases are end dates set to December of the given wave
- Next, we create a binary indicating WTR the R worked during the gap year. This is done by:
 - o For each job, checking if the year that the R started or stopped a job is the same year as the gap year or if the gap year falls between the start and stop year
 - o For each job, record R as not working in the gap year if the start year is after the gap year, or the end year is prior to the gap year
 - o Then, using the results from this routine, if R reports working in ANY job during the gap year, they are counted as working in the gap year
 - o Also if R reports NEVER working a job, then they couldn't have worked in the gap year
- Next, we create an estimate for the annual hours worked during the gap year using
 information about the months worked on each job as well as the number of hours worked per
 week on each job. Specifically for each job we:
 - o Create a "Months working during t-2" variable. This is done by:
 - First, setting to missing beginning/ending months for jobs starting during or after t-1.
 - Also set to missing beginning/ending months for jobs ending before t-2
 - For remaining jobs, if the year beginning the job is before t-2 then replace beginning month of job to be January.
 - For remaining jobs, if the year ending the job is after t-1 then replace ending month of the job to be December.
 - *Note:* Now we should have a beginning month variable with values of "January" for all jobs starting before t-2 and an ending month variable with

- values of "December" for all jobs ending after t-2 and for jobs starting or ending exactly during t-2. The month variable should reflect the true month beginning/ending that job.
- Finally, we take the difference between the ending and beginning months (plus 1) to get the number of months working during t-2
- Annual hours on each jobs is then created by multiplying this # of months variable by 4.33 and then multiplying that value by the number of hours per week worked on that job in year t.
- Our measure of total hours worked is then created by adding up all the hours worked across all the jobs recorded in the PSID (4 for '03 and later, and 6 for '99 and '01)
 - For '03 and later:
 - We replace missing values of this t-2 annual hours measure with zero if our previous gap year dummy indicates they didn't work in the gap year AND if they report no additional jobs worked
 - Note: This is done because if they report additional jobs, since we don't have the month worked info on these jobs, we have no way of knowing if the work crossed over the gap year for that job
 - We also replace missing values of this t-2 annual hours measure to be zero if the PSID provided gap year work status variable indicates they didn't work (regardless of how many additional jobs they report)
 - For '99 and '01
 - We replace missing values of this t-2 annual hours measure to be zero if our previous gap year dummy indicates they didn't work in the gap year (this variable was described above)
 - Note: In these waves, the PSID did not ask the t-2 work status question and also there are no additional jobs reported, so we do not include that information as we did above
- O Waves '99, '01, '09, and '11 all have t-2 annual hours (provided by the PSID), but the rest need to be created. The final annual hours measures used in later analyses are created by simply using our created variable for waves '03, '05, and '07; and for the other waves, using the PSID provided variable as a base and filling in missing values with our created values.
- NOTE: The PSID does provide t-2 information for '03, '05, and '07, but these variables are very sparse. Values are flagged as inappropriate if the R was the head (HD) or wife (or cohabiting female partner) (WF) in the family unit (FU), so we do not use T-2 information even though it is technically available.
- Misc.
 - For months, some R instead report seasons, we recode seasons as Winter = 2, Spring = 5, Summer = 8, Autumn = 11
 - o For the year variables, there is an option for an unknown year range. e.g. for 2009, R can report starting work in "2007-2009DK which year". We treat these responses as missing.

Logit Imputation

For some respondents, we have enough information to know whether they worked at all during the gap year, and for others we don't. For those whom we know worked during the gap year, if they have missing information on the number of hours they worked, we employ logistic regression to estimate the probability that these employed respondents worked full-time during the gap year. First, we condition our logistic regressions on respondents who report positive earnings during the gap year and we run four logistic regressions, two for each year surrounding the gap by sex. For each respective year, we regress a binary for full-time work status on a set of year specific covariates.³ These gender-specific regressions are weighted using family weights. We then use the predicted probabilities to increment total full-time experience for the gap year.⁴

For those for whom we don't know if they worked during the gap year, we estimate logits for working and for full-time experience but not conditioning the latter on work status. We then use predicted probabilities to increment experience and full-time experience for the gap year.

Finally, we also considered using the T-2 annual labor income as a regressor in the FT experience regressions, but upon including this variable, the logits would fail to converge.

Education

In an effort to reduce costs, between 1994 to 2007, the PSID only collected education information for *new* heads and wives (or partners) entering the sample. As a result, any extra schooling obtained by heads and wives already in the sample during these years is not updated. However, in 2009 the PSID collected background information on *all* Heads and Wives. The PSID also collected the year in which the latest degree was received. Using this information we retroactively update education variables during the 1990 to 2007 period. We also are able to retroactively update 1981 with 1985 values using an identical algorithm.

The retroactive updating is done by first making linear schooling measures from the individual file comparable across waves. Education variables are created using the highest level of schooling reported in the individual files. Specifically, to make all later waves match the 1981 coding, we code years of schooling to be 12 if the R got a GED and didn't go to college. We also are careful to add in true zeroes instead of just inappropriate flags for each wave.

In the PSID, information is collected in both family files as well as individual files. It turns out that there are a few discrepancies between reported education across these files. As a result, before any retroactive updating is done, education is recoded to be the maximum (accounting for missing values) education reported in the individual and family files. This max routine is done for linear schooling in each wave (including the '85 and '09 variables) used for retroactively updating.⁶

³ Specifically, we control for the number of children, single and married status, other race, black, or Hispanic status, linear and squared terms for total years of part-time and full-time experience to that year (for the year following the gap, we just use again the values from the year preceding the gap), and the highest number of years of school completed as well as binaries for bachelors and advanced degree receipt.

⁴ Note: This implies that years of experience are no longer limited to integer values.

⁵ Note that for participants that leave the sample prior to 2009, we cannot perform this retroactive updating.

⁶ Note: For waves '85, '89 and '90, family file linear schooling needs to be reconstructed manually by going through questions for last year in school for HS dropouts, graduates, and college attendees, because the PSID doesn't provide linear schooling for family files in these years.

Once these are ready, we update schooling for a given wave if the last year in school (as asked in 2009) is less than or equal to the wave of interest and the new schooling value is not below the value to be updated (accounting for missing values appropriately).

After the retroactive updating occurs, we then update the years of schooling variable using these updated degree variables. We use a similar procedure to update 1981 values using 1985 education that was re-asked of everyone in the sample.

We also recode the linear schooling variables with a value of 18 if the respondent reports having an advanced degree following Jaeger (1997).

Finally, for any respondent with a valid education value in a previous main wave and a missing education value in a subsequent wave, the value is brought forward to the later wave.

Degrees

- "No Degree" includes Associate degrees, Honorary Degrees, and "Other"
- DK, and NA are coded as missing
- BA degrees include BA and BS
- Advanced degrees include:
 - 1. Master of Arts/Science; MA; MS; MBA
 - 2. Doctorate; Ph.D.
 - 3. LLB; JD
 - 4. MD; DDS; DVM; DO

Degrees are also retroactively updated using the same procedure mentioned above.

Annual Earnings

- For 1981 sample, we adjust the top censored annual labor earnings to be 1.45 * 99,999
- For the other waves, the censoring value is high enough that no respondents received censored values

Sample Restrictions

- Wage Sample
 - o Ages between 25 and 64, non-military, heads wives and cohabitators
 - o AND also restricts to individuals who were full-time, non-farm, wage and salary workers and who worked at least 26 weeks during the preceding year, were non-self-employed, and had non-missing values on the hourly wage, experience, race, schooling, industry, occupation, and unionization variables
 - This implicitly drops observations with real hourly wages below \$2 because there are set to missing (see Real Hourly Wage Section)
 - o Full-time status is defined as working greater than or equal to 35 hours per week and also being classified as employed

⁷ We update the years of schooling to 16 if the respondent reports having a BA degree by the current year in question. Similarly we update years of schooling to be 18 for Advanced degrees in light of Jaeger (1997).

- In the PSID, we also drop R's from the immigrant sample and the 1990 Latino sample
- In the PSID we don't include any farm income restrictions due to problems with missing data, but we do include farm income restrictions for the CPS

Real Hourly Wage

- For early years of the PSID, separate values for wage and salary income and self-employment/farm income are not available for wives. Therefore, for analyses using the PSID, we use total labor earnings for people who report that they were not self employed on any job. In earlier work (Blau and Kahn 2004), we showed that this did not have an important effect on average hourly earnings among household heads, a group for which we had data on both total labor earnings and wage and salary earnings.
- 2010 is used as the base year and real hourly earnings are created using the personal consumption expenses deflator from the BEA.
- We replace to missing if the respondent is self-employed or earns a real hourly wage below \$2.

Public Sector Work

- Beyond the industry and occupation codes, the PSID also asks respondents if they are currently (or previously in the case of unemployed respondents) employed by the government.
- This question is asked for every type job reported by the respondent
- For each question, we code a binary where:
 - o 1= Federal, state, and local government position
 - o 0=private company, self-employed, other, DK, NA, or inappropriate flags
- These binaries for the different jobs are combined into one measure =1 if *any* of the jobs are coded as a government position

Occupation and Industry

- For the 1981, 1990, and 1999 waves of the PSID, we convert 1970 occupation codes to 2000 census codes
- We do this by first merging a crosswalk based on the 1970 codes, using gender-specific data for the occupation crosswalk, from Blau, Brummund and Liu (2013).
- The specific occupation and industry dummy variables used in the regressions are listed in Section III of this Appendix.

Miscellaneous re: PSID

- For 1978 annual hours, we set to missing values of 7980, there are 23 observations. It appears to be a wild code
- A respondent is considered self-employed if they respond being self-employed for *any* job
- SMSA questions in 1981 were based on Primary Sampling Unit and every wave after, it is at the county level
- Labor Part of Business Income Censoring
 - o 1981 & 1990
 - **\$99.999** or more

- o 1999
 - \$999,999 or more
- o 2007, 2009, 2011
 - \$9,999,999 or more

II. CPS Documentation

Wage sample restrictions are similar to those for the PSID.

Earnings/Wages

.

Data on wage and salary income are used to compute wages. Wages are set to missing if any of the earnings variables are allocated. While the PSID does not topcode earnings, the CPS does, although the method for doing so changed.⁸ From 1981 through 1995, topcodes represent true topcodes. These were multiplied by 1.45 for the CPS waves in that interval. Starting in 1996, "[t]he topcode was replaced with the mean earnings for topcoded individuals with similar characteristics⁹." For 1999, we used the CPS's mean earnings value for the topcode. "Starting in 2011, the Census Bureau shifted from the average replacement value system to a rank proximity swapping procedure. In this technique, all values greater than or equal to the income topcode are ranked from lowest to highest and systematically swapped with other values within a bounded interval. All swapped values are also rounded to two significant digits." For 2011, we used the values provided in the CPS.

III. PSID Industry and Occupation Codes

Industry Codes

Our system of Industry Classifications is based on the 2000 Census Industry Codes. Since the 2000 system does not specify its own 2-digit codes, we created our own based on broad categorizations suggested by IPUMS, with some adjustment. The 2-digit categories, which are the dummy variable categories for the regressions, are provided in bold and underlined, and the 3-digit codes falling under them are listed below. Our regressions drop all with agriculture industry, and use the Education industry as the base category.

⁸ See, IPUMS CPS, 'Income Components: Topcodes, Replacement Values, and Swap Values," available at https://cps.ipums.org/cps/topcodes_tables.shtml, accessed January 17, 2017. Unless otherwise indicated, quotations are from that document.

⁹ "Topcoded individuals are divided into twelve groups depending on characteristics such as race, gender, and full time status. Income values are reassigned according to the mean income within each group. If less than 5 individuals are topcoded within a characteristic group, groups are pooled and a new average is given to each group."

¹⁰ For further explanation, see CPS March 2011 Technical documentation pg.5-3, available at https://www.census.gov/prod/techdoc/cps/cpsmar11.pdf, accessed January 17, 2017.

Agriculture

017	Crop production
018	Animal production
019	Forestry except logging

027 Logging

Fishing, hunting, and trapping

O29 Support activities for agriculture and forestry

Mining and Construction

037	Oil and gas extraction
038	Coal mining
039	Metal ore mining
047	Nonmetallic mineral mining and quarrying
048	Not specified type of mining
049	Support activities for mining
077	Construction

Utilities

057	Electric power generation, transmission and distribution
058	Natural gas distribution
059	Electric and gas and other combinations
067	Water, steam, air-conditioning, and irrigation systems
068	Sewage treatment facilities
069	Not specified utilities

Non-Durable Manufacturing

107	Animal food, grain, and oilseed milling
108	Sugar and confectionery products
109	Fruit and vegetable preserving and specialty food manufacturing

117 118 119 127	Dairy product manufacturing Animal slaughtering and processing Retail bakeries Bakeries except retail
128	Seafood and other miscellaneous foods n.e.c.
129 137 139 147 148	Not specified food industries Beverage manufacturing Tobacco manufacturing Fiber, yarn, and thread mills Fabric mills, except knitting
149	Textile and fabric finishing and coating mills
157 159	Carpets and rugs manufacturing Textile product mills except carpets and rugs
167 168 169	Knitting mills Cut and sew apparel manufacturing Apparel accessories and other apparel manufacturing
177 179	Footwear manufacturing Leather tanning and products, except footwear manufacturing
187 188 189	Pulp, paper, and paperboard mills Paperboard containers and boxes Miscellaneous paper and pulp products
199 207 209 217	Printing and related support activities Petroleum refining Miscellaneous petroleum and coal products Resin, synthetic rubber and fibers, and filaments manufacturing
218 219	Agricultural chemical manufacturing Pharmaceutical and medicine manufacturing
227 228	Paint, coating, and adhesives manufacturing Soap, cleaning compound, and cosmetic manufacturing
229	Industrial and miscellaneous chemicals

237	Plastics product manufacturing
238	Tire manufacturing
239	Rubber products, except tires, manufacturing

Durable Manufacturing

247 248 249 257	Pottery, ceramics, and related products manufacturing Structural clay product manufacturing Glass and glass product manufacturing Cement, concrete, lime, and gypsum product manufacturing Miscellaneous nonmetallic mineral product manufacturing
267	Iron and steel mills and steel product manufacturing
268 269	Aluminum production and processing Nonferrous metal, except aluminum, production and processing
277278279287	Foundries Metal forgings and stampings Cutlery and hand tool manufacturing Structural metals and tank and shipping container manufacturing
288	Machine shops; turned product; screw nut and bolt activities
289	Coating, engraving, heat treating and allied activities
297	Ordnance
298	Miscellaneous fabricated metal products manufacturing
299	Not specified metal industries
307	Agricultural implement manufacturing

308	Construction, mining and oil field manufacturing
309	Commercial and service industry machinery manufacturing
317	Metalworking machinery manufacturing
318	Engines, turbines, and power transmission equipment manufacturing
319	Machinery manufacturing, n.e.c.
329	Not specified machinery manufacturing
336	Computer and peripheral equipment manufacturing
337	Communications, audio, and video equipment manufacturing
338	Navigational, measuring, electromedical, and control instruments manufacturing
339	Electronic component and product manufacturing, n.e.c.
347	Household appliance manufacturing
349	Electrical machinery, equipment, and and supplies manufacturing, n.e.c.
357	Motor vehicles and motor vehicle equipment manufacturing
358	Aircrafts and parts manufacturing
359	Aerospace products and parts manufacturing
367	Railroad rolling stock manufacturing
368	Ship and boat building
369	Other transportation equipment manufacturing
377	Sawmills and wood preservation
378	Veneer, plywood, and engineered wood product manufacturing

379	Prefabricated wood buildings and mobile homes manufacturing
387	Miscellaneous wood product manufacturing
389	Furniture and fixtures
396	Medical equipment and supplies manufacturing
397	Toys, amusement and sporting goods manufacturing
398	Miscellaneous manufacturing, n.e.c.
399	Not specified manufacturing
Wholesale Trade	
Wholesale Trade 407 408	Motor vehicles, parts and supplies wholesalers Furniture and home furnishing wholesalers
407	
407 408	Furniture and home furnishing wholesalers
407 408 409	Furniture and home furnishing wholesalers Lumber and other construction materials wholesalers
407 408 409 417	Furniture and home furnishing wholesalers Lumber and other construction materials wholesalers Professional and commercial equipment and supplies wholesalers
407 408 409 417 418	Furniture and home furnishing wholesalers Lumber and other construction materials wholesalers Professional and commercial equipment and supplies wholesalers Metals and minerals, except petroleum wholesalers

Paper and paper product wholesalers

Recyclable material wholesalers

Misc durable goods wholesalers

428

429

437

438	Drugs, sundries, and chemical and allied product wholesalers
439	Apparel, fabrics, and notions wholesalers
447	Groceries and related product wholesalers
448	Farm product raw material wholesalers
449	Petroleum and petroleum product wholesalers
456	Alcoholic beverage wholesalers
457	Farm supplies wholesalers
458	Misc. nondurable goods wholesalers
459	Not specified wholesale trade

Retail Trade

467 468 469 477 478	Automobile dealers Other motor vehicle dealers Auto parts, accessories, and tire stores Furniture and home furnishings stores Household appliance stores
479	Radio, TV, and computer stores
487	Building material and supplies dealers
488	Hardware stores
489	Lawn and garden equipment and supplies stores
497	Grocery stores
498	Specialty food stores
499	Beer, wine, and liquor stores
507	Pharmacies and drug stores
508	Health and personal care, except drug, stores
509	Gasoline stations

517	Clothing and accessories, except shoe, stores
518	Shoe stores
519	Jewelry, luggage, and leather goods stores
527	Sporting goods, camera, and hobby and toy stores
528	Sewing, needlework and piece goods stores
320	sewing, needlework and piece goods stores
529	Music stores
537	Book stores and news dealers
538	Department stores
539	Miscellaneous general merchandise stores
547	Retail florists
548	Office supplies and stationary stores
549	Used merchandise stores
557	Gift, novelty, and souvenir shops
558	Miscellaneous retail stores
559	Electronic shopping and mail-order houses
567	Vending machine operators
568	Fuel dealers
569	Other direct selling establishments
579	Not specified retail trade
708	Automotive equipment rental and leasing
717	Video Tape and Disk Rental
718	Other Consumer Goods Rental
<u>Transport</u>	
607	Air transportation
608	Rail transportation
609	Water transportation
617	Truck transportation
618	Bus service and urban transit
619	Taxi and limousine service

Scenic and sightseeing transportation

Services incidental to transportation

Pipeline transportation

627

628

629

Postal Service 637 638 Courier and messengers 639 Warehousing and storage **Communications** 647 Newspaper publishers Publishing except newspapers and software 648 649 Software publishing 657 Motion pictures and video industries 659 Sound recording industries 667 Radio and television broadcasting and cable 668 Wired telecommunications carriers 669 Other telecommunication services Libraries and archives 677 Other information services 678 679 Data processing services **Finance** 687 Banking and related activities 688 Savings institutions, including credit unions 689 Non-depository credit and related activities 697 Securities, commodities, funds, trusts, and other financial investments 699 Insurance carriers and related activities 707 Real estate

Professional

719 Commercial, industrial, and other intangible assets rental and leasing

727	Legal services
728 729	Accounting, tax preparation, bookkeeping and payroll services Architectural, engineering, and related services
737	Specialized design services
738 739	Computer systems design and related services Management, scientific and technical consulting services
746	Scientific research and development services
747	Advertising and related services
748	Veterinary services
749	Other professional, scientific and technical services
757	Management of companies and enterprises
758	Employment services
759	Business support services
767	Travel arrangement and reservation services
768	Investigation and security services
769	Services to buildings and dwellings
777	Landscaping services
778	Other administrative and other support services
779	Waste management and remediation services
Education	
786	Elementary and secondary schools
787	Colleges and universities, including junior colleges
788	Business, technical, and trade schools and training
789	Other schools, instruction, and educational services

Medical

797	Offices of physicians
798	Offices of dentists
799	Office of chiropractors
807	Offices of optometrists
808	Offices of other health practitioners
809	Outpatient care centers
817	Home health care services
818	Other health care services
819	Hospitals
827	Nursing care facilities
829	Residential care facilities, without nursing
Social Work, A Recreation & O	
Services	
837	Individual and family services
838	Community food and housing, and emergency services
839	Vocational rehabilitation services
847	Child day care services
856	Independent artists, performing arts, spectator sports, and related industries
857	Museums, art galleries, historical sites, and similar institutions

847	Child day care services
856	Independent artists, performing arts, spectator sports, and related industries
857	Museums, art galleries, historical sites, and similar institutions
858	Bowling centers
859	Other amusement, gambling, and recreation industries
866	Traveler accommodation
867	Recreational vehicle parks and camps, and rooming and boarding houses
868	Restaurants and other food services
869	Drinking places, alcoholic beverages
877	Automotive repair and maintenance

878	Car washes
879	Electronic and precision equipment repair and maintenance
887	Commercial and industrial machinery and equipment repair and maintenance
888	Personal and household goods repair and maintenance
889	Footwear and leather goods repair
897	Barber shops
898	Beauty salons
899	Nail salons and other personal care services
907	Drycleaning and laundry services
908	Funeral homes, cemeteries and crematories
909	Other personal services
916	Religious organizations
917	Civic, social, advocacy organizations, and grantmaking and giving services
918	Labor unions
919 929	Business, professional, political, and similar organizations Private households
Public Administration	
937	Executive offices and legislative bodies
938	Public finance activities
939	Other general government and support
947	Justice, public order, and safety activities
948	Administration of human resource programs
949	Administration of environmental quality and housing programs
957	Administration of economic programs and space research
959	National security and international affairs
967	U.S. Army

968	U. S. Air Force
969	U. S. Navy
977	U. S. Marines
978	U. S. Coast Guard
979	U. S. Armed Forces, branch not specified
987	Military Reserves or National Guard

Occupation Codes

Our final system of 2-digit Occupation Classifications is based on the 2000 Census Occupation Codes. Since the 2000 system does not offer its own 2-digit codes, we created our own based on broad categorizations suggested by IPUMS, with some adjustment. The 2-digit categories, which are the dummy variable categories for the regressions, are provided in bold, and the 3-digit codes falling under that category are listed below. Our regressions drop all observations with 2-digit Farming, Fishing and Forestry code (051) or 3-digit Farming / Ranching codes (20 & 21P). Managers is the omitted occupation category in the regressions.

Managers

- 001 Chief Executives
- 002 General and Operations Managers
- 003 Legislators
- 004 Advertising and Promotions Managers
- 005 Marketing and Sales Managers
- 006 Public Rbelations Managers
- 010 Administrative Services Managers
- 011 Computer and Information Systems Managers
- 012 Financial Managers
- 013 Human Resources Managers
- 014 Industrial Production Managers
- 015 Purchasing Managers
- 016 Transportation, Storage, and Distribution Managers
- 020 Farm, Ranch, and Other Agricultural Managers
- 021 Farmers and Ranchers
- 022 Construction Managers
- 023 Education Administrators
- 030 Engineering Managers

- 031 Food Service Managers
- 032 Funeral Directors
- 033 Gaming Managers
- 034 Lodging Managers
- 035 Medical and Health Services Managers
- 036 Natural Sciences Managers
- 040 Postmasters and Mail Superintendents
- 041 Property, Real Estate, and Community Association Managers
- 042 Social and Community Service Managers
- 043 Managers, All Other

Business Operations Specialists

- 050 Agents and Business Managers of Artists, Performers, and Athletes
- 051 Purchasing Agents and Buyers, Farm Products
- 052 Wholesale and Retail Buyers, Except Farm Products
- 053 Purchasing Agents, Except Wholesale, Retail, and Farm Products
- 054 Claims Adjusters, Appraisers, Examiners, and Investigators
- 056 Compliance Officers, Except Agriculture, Construction, Health and
- Safety, and Transportation
- 060 Cost Estimators
- 062 Human Resources, Training, and Labor Relations Specialists
- 070 Logisticians
- 071 Management Analysts
- 072 Meeting and Convention Planners
- 073 Other Business Operations Specialists

Financial Operations Specialists

- 080 Accountants and Auditors
- 081 Appraisers and Assessors of Real Estate
- 082 Budget Analysts
- 083 Credit Analysts
- 084 Financial Analysts
- 085 Personal Financial Advisors
- 086 Insurance Underwriters
- 090 Financial Examiners
- 091 Loan Counselors and Officers
- 093 Tax Examiners, Collectors, and Revenue Agents
- 094 Tax Preparers
- 095 Financial Specialists, All Other

Computer and Math Technicians

- 100 Computer Scientists and Systems Analysts,
- 101 Computer Programmers
- 102 Computer Software Engineers
- 104 Computer Support Specialists

- 106 Database Administrators
- 110 Network and Computer Systems Administrators
- 111 Network Systems and Data Communications Analysts
- 120 Actuaries
- 121 Mathematicians
- 122 Operations Research Analysts
- 123 Statisticians
- 124 Miscellaneous Mathematical Science Occupations

Architects and Engineers

- 130 Architects, Except Naval
- 131 Surveyors, Cartographers, and Photogrammetrists
- 132 Aerospace Engineers
- 133 Agricultural Engineers
- 134 Biomedical Engineers
- 135 Chemical Engineers
- 136 Civil Engineers
- 140 Computer Hardware Engineers
- 141 Electrical and Electronics Engineers
- 142 Environmental Engineers
- 143 Industrial Engineers, Including Health and Safety
- 144 Marine Engineers and Naval Architects
- 145 Materials Engineers
- 146 Mechanical Engineers
- 150 Mining and Geological Engineers, Including Mining Safety Engineers
- 151 Nuclear Engineers
- 152 Petroleum Engineers
- 153 Engineers, All Other
- 154 Drafters
- 155 Engineering Technicians, Except Drafters
- 156 Surveying and Mapping Technicians

Life, Physical and Social Science Technicians

- 160 Agricultural and Food Scientists
- 161 Biological Scientists
- 164 Conservation Scientists and Foresters
- 165 Medical Scientists
- 170 Astronomers and Physicists
- 171 Atmospheric and Space Scientists
- 172 Chemists and Materials Scientists
- 174 Environmental Scientists and Geoscientists
- 176 Physical Scientists, All Other
- 180 Economists
- 181 Market and Survey Researchers
- 182 Psychologists
- 183 Sociologists

- 184 Urban and Regional Planners
- 186 Miscellaneous Social Scientists and Related Workers
- 190 Agricultural and Food Science Technicians
- 191 Biological Technicians
- 192 Chemical Technicians
- 193 Geological and Petroleum Technicians
- 194 Nuclear Technicians
- 196 Other Life, Physical, and Social Science Technicians,

Community and Social Workers

- 200 Counselors
- 201 Social Workers
- 202 Miscellaneous Community and Social Service Specialists
- 204 Clergy
- 205 Directors, Religious Activities and Education
- 206 Religious Workers, All Other

Postsecondary Educators

220 Postsecondary Teachers

Other Education, Training, Legal and Library Workers

- 214 Paralegals and Legal Assistants
- 215 Miscellaneous Legal Support Workers
- 230 Preschool and Kindergarten Teachers
- 231 Elementary and Middle School Teachers
- 232 Secondary School Teachers
- 233 Special Education Teachers
- 234 Other Teachers and Instructors
- 240 Archivists, Curators, and Museum Technicians
- 243 Librarians
- 244 Library Technicians
- 254 Teacher Assistants
- 255 Other Education, Training, and Library Workers,

Arts, Design, Entertainment, Sports and Media

- 260 Artists and Related Workers
- 263 Designers
- 270 Actors
- 271 Producers and Directors
- 272 Athletes, Coaches, Umpires, and Related Workers
- 274 Dancers and Choreographers
- 275 Musicians, Singers, and Related Workers
- 276 Entertainers and Performers, Sports and Related Workers, All Other
- 280 Announcers
- 281 News Analysts, Reporters and Correspondents
- 282 Public Relations Specialists

- 283 Editors
- 284 Technical Writers
- 285 Writers and Authors
- 286 Miscellaneous Media and Communication Workers
- 290 Broadcast and Sound Engineering Technicians and Radio Operators
- 291 Photographers
- 292 Television, Video, and Motion Picture Camera Operators and Editors
- 296 Media and Communication Equipment Workers, All Other

Lawyers, Judges, Physicians and Dentists

- 210 Lawyers
- 211 Judges, Magistrates, and Other Judicial Workers
- 301 Dentists
- 306 Physicians and Surgeons

Nurses and Healthcare Practitioners & Technicians

- 300 Chiropractors
- 303 Dietitians and Nutritionists
- 304 Optometrists
- 305 Pharmacists
- 311 Physician Assistants
- 312 Podiatrists
- 313 Registered Nurses
- 314 Audiologists
- 315 Occupational Therapists
- 316 Physical Therapists
- 320 Radiation Therapists
- 321 Recreational Therapists
- 322 Respiratory Therapists
- 323 Speech-Language Pathologists
- 324 Therapists, All Other
- 325 Veterinarians
- 326 Health Diagnosing and Treating Practitioners, All Other
- 330 Clinical Laboratory Technologists and Technicians
- 331 Dental Hygienists
- 332 Diagnostic Related Technologists and Technicians
- 340 Emergency Medical Technicians and Paramedics
- 341 Health Diagnosing and Treating Practitioner Support Technicians
- 350 Licensed Practical and Licensed Vocational Nurses
- 351 Medical Records and Health Information Technicians
- 352 Opticians, Dispensing
- 353 Miscellaneous Health Technologists and Technicians
- 354 Other Healthcare Practitioners and Technical Occupations

Healthcare Support Occupations

360 Nursing, Psychiatric, and Home Health Aides

- 361 Occupational Therapist Assistants and Aides
- 362 Physical Therapist Assistants and Aides
- 363 Massage Therapists
- 364 Dental Assistants
- 365 Medical Assistants and Other Healthcare Support Occupations

Protective Service Occupations

- 370 First-Line Supervisors/Managers of Correctional Officers
- 371 First-Line Supervisors/Managers of Police and Detectives
- 372 First-Line Supervisors/Managers of Fire Fighting and Prevention Workers
- 373 Supervisors, Protective Service Workers, All Other
- 374 Fire Fighters
- 375 Fire Inspectors
- 380 Bailiffs, Correctional Officers, and Jailers
- 382 Detectives and Criminal Investigators
- 383 Fish and Game Wardens
- 384 Parking Enforcement Workers
- 385 Police and Sheriff's Patrol Officers
- 386 Transit and Railroad Police
- 390 Animal Control Workers
- 391 Private Detectives and Investigators
- 392 Security Guards and Gaming Surveillance Officers
- 394 Crossing Guards
- 395 Lifeguards and Other Protective Service Workers

Food Preparation & Serving-related & Personal Care Occupations

- 400 Chefs and Head Cooks
- 401 First-Line Supervisors/Managers of Food Preparation and Serving Workers
- 402 Cooks
- 403 Food Preparation Workers
- 404 Bartenders
- 405 Combined Food Preparation and Serving Workers, Including Fast Food
- 406 Counter Attendants, Cafeteria, Food Concession, and Coffee Shop
- 411 Waiters and Waitresses
- 412 Food Servers, Non-restaurant
- 413 Dining Room and Cafeteria Attendants and Bartender Helpers
- 414 Dishwashers
- 415 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
- 416 Food Preparation and Serving Related Workers, All Other
- 430 First-Line Supervisors/Managers of Gaming Workers
- 432 First-Line Supervisors/Managers of Personal Service Workers
- 434 Animal Trainers
- 435 Nonfarm Animal Caretakers
- 440 Gaming Services Workers

- 441 Motion Picture Projectionists
- 442 Ushers, Lobby Attendants, and Ticket Takers
- 443 Miscellaneous Entertainment Attendants and Related Workers
- 446 Funeral Service Workers
- 450 Barbers
- 451 Hairdressers, Hairstylists, and Cosmetologists
- 452 Miscellaneous Personal Appearance Workers
- 453 Baggage Porters, Bellhops, and Concierges
- 454 Tour and Travel Guides
- 455 Transportation Attendants
- 460 Child Care Workers
- 461 Personal and Home Care Aides
- 462 Recreation and Fitness Workers
- 464 Residential Advisors
- 465 Personal Care and Service Workers, All Other

Building & Grounds Cleaning and Maintenance

420 First-Line Supervisors/Managers of Housekeeping and Janitorial

Workers

421 First-Line Supervisors/Managers of Landscaping, Lawn Service, and

Groundskeeping Workers

- 422 Janitors and Building Cleaners
- 423 Maids and Housekeeping Cleaners
- 424 Pest Control Workers
- 425 Grounds Maintenance Workers

Sales and Related Occupations

- 470 First-Line Supervisors/Managers of Retail Sales Workers
- 471 First-Line Supervisors/Managers of Non-Retail Sales Workers
- 472 Cashiers
- 474 Counter and Rental Clerks
- 475 Parts Salespersons
- 476 Retail Salespersons
- 480 Advertising Sales Agents
- 481 Insurance Sales Agents
- 482 Securities, Commodities, and Financial Services Sales Agents 41-483 Travel Agents
- 484 Sales Representatives, Services, All Other
- 485 Sales Representatives, Wholesale and Manufacturing
- 490 Models, Demonstrators, and Product Promoters
- 492 Real Estate Brokers and Sales Agents
- 493 Sales Engineers
- 494 Telemarketers
- 495 Door-To-Door Sales Workers, News and Street Vendors, and Related

Workers

496 Sales and Related Workers, All Other

Office and Administrative Support

- 500 First-Line Supervisors/Managers of Office and Administrative Support Workers
- 501 Switchboard Operators, Including Answering Service
- 502 Telephone Operators
- 503 Communications Equipment Operators, All Other
- 510 Bill and Account Collectors
- 511 Billing and Posting Clerks and Machine Operators
- 512 Bookkeeping, Accounting, and Auditing Clerks
- 513 Gaming Cage Workers
- 514 Payroll and Timekeeping Clerks
- 515 Procurement Clerks
- 516 Tellers
- 520 Brokerage Clerks
- 521 Correspondence Clerks
- 522 Court, Municipal, and License Clerks
- 523 Credit Authorizers, Checkers, and Clerks
- 524 Customer Service Representatives
- 525 Eligibility Interviewers, Government Programs
- 526 File Clerks
- 530 Hotel, Motel, and Resort Desk Clerks
- 531 Interviewers, Except Eligibility and Loan
- 532 Library Assistants, Clerical
- 533 Loan Interviewers and Clerks
- 534 New Accounts Clerks
- 535 Order Clerks
- 536 Human Resources Assistants, Except Payroll and Timekeeping
- 540 Receptionists and Information Clerks
- 541 Reservation and Transportation Ticket Agents and Travel Clerks
- 542 Information and Record Clerks, All Other
- 550 Cargo and Freight Agents
- 551 Couriers and Messengers
- 552 Dispatchers
- 553 Meter Readers, Utilities
- 554 Postal Service Clerks
- 555 Postal Service Mail Carriers
- 556 Postal Service Mail Sorters, Processors, and Processing Machine
- Operators
- 560 Production, Planning, and Expediting Clerks
- 561 Shipping, Receiving, and Traffic Clerks
- 562 Stock Clerks and Order Fillers
- 563 Weighers, Measurers, Checkers, and Samplers, Recordkeeping
- 570 Secretaries and Administrative Assistants
- 580 Computer Operators

- 581 Data Entry Keyers
- 582 Word Processors and Typists
- 583 Desktop Publishers
- 584 Insurance Claims and Policy Processing Clerks
- 585 Mail Clerks and Mail Machine Operators, Except Postal Service 43-586 Office

Clerks, General

- 590 Office Machine Operators, Except Computer
- 591 Proofreaders and Copy Markers
- 592 Statistical Assistants
- 593 Office and Administrative Support Workers, All Other

Farming, Fishing and Forestry Occupations

600 First-Line Supervisors/Managers of Farming, Fishing, and Forestry

Workers

- 601 Agricultural Inspectors
- 602 Animal Breeders
- 604 Graders and Sorters, Agricultural Products
- 605 Miscellaneous Agricultural Workers
- 610 Fishers and Related Fishing Workers
- 611 Hunters and Trappers
- 612 Forest and Conservation Workers
- 613 Logging Workers

Construction, Extraction and Installation Occupations

- 620 First-Line Supervisors/Managers of Construction Trades and Extraction Workers
- 621 Boilermakers
- 622 Brickmasons, Blockmasons, and Stonemasons
- 623 Carpenters
- 624 Carpet, Floor, and Tile Installers and Finishers
- 625 Cement Masons, Concrete Finishers, and Terrazzo Workers
- 626 Construction Laborers
- 630 Paving, Surfacing, and Tamping Equipment Operators
- 631 Pile-Driver Operators
- 632 Operating Engineers and Other Construction Equipment Operators
- 633 Drywall Installers, Ceiling Tile Installers, and Tapers
- 635 Electricians
- 636 Glaziers
- 640 Insulation Workers
- 642 Painters, Construction and Maintenance
- 643 Paperhangers
- 644 Pipelayers, Plumbers, Pipefitters, and Steamfitters
- 646 Plasterers and Stucco Masons
- 650 Reinforcing Iron and Rebar Workers
- 651 Roofers
- 652 Sheet Metal Workers
- 653 Structural Iron and Steel Workers

- 660 Helpers, Construction Trades
- 666 Construction and Building Inspectors
- 670 Elevator Installers and Repairers
- 671 Fence Erectors
- 672 Hazardous Materials Removal Workers
- 673 Highway Maintenance Workers
- 674 Rail-Track Laying and Maintenance Equipment Operators
- 675 Septic Tank Servicers and Sewer Pipe Cleaners
- 676 Miscellaneous Construction and Related Workers
- 680 Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining
- 682 Earth Drillers, Except Oil and Gas
- 683 Explosives Workers, Ordnance Handling Experts, and Blasters 31
- 684 Mining Machine Operators
- 691 Roof Bolters, Mining
- 692 Roustabouts, Oil and Gas
- 693 Helpers--Extraction Workers
- 694 Other Extraction Workers
- 700 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers
- 701 Computer, Automated Teller, and Office Machine Repairers
- 702 Radio and Telecommunications Equipment Installers and Repairers 3 Avionics Technicians
- 704 Electric Motor, Power Tool, and Related Repairers
- 705 Electrical and Electronics Installers and Repairers, Transportation Equipment
- 710 Electrical and Electronics Repairers, Industrial and Utility
- 711 Electronic Equipment Installers and Repairers, Motor Vehicles
- 712 Electronic Home Entertainment Equipment Installers and Repairers
- 713 Security and Fire Alarm Systems Installers
- 714 Aircraft Mechanics and Service Technicians
- 715 Automotive Body and Related Repairers
- 716 Automotive Glass Installers and Repairers
- 720 Automotive Service Technicians and Mechanics
- 721 Bus and Truck Mechanics and Diesel Engine Specialists
- 722 Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
- 724 Small Engine Mechanics
- 726 Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
- 730 Control and Valve Installers and Repairers
- 731 Heating, Air Conditioning, and Refrigeration Mechanics and Installers
- 732 Home Appliance Repairers
- 733 Industrial and Refractory Machinery Mechanics
- 734 Maintenance and Repair Workers, General
- 735 Maintenance Workers, Machinery
- 736 Millwrights

- 741 Electrical Power-Line Installers and Repairers
- 742 Telecommunications Line Installers and Repairers
- 743 Precision Instrument and Equipment Repairers
- 751 Coin, Vending, and Amusement Machine Servicers and Repairers
- 752 Commercial Divers
- 754 Locksmiths and Safe Repairers
- 755 Manufactured Building and Mobile Home Installers
- 756 Riggers
- 760 Signal and Track Switch Repairers
- 761 Helpers--Installation, Maintenance, and Repair Workers
- 762 Other Installation, Maintenance, and Repair Workers

Production Occupations

- 770 First-Line Supervisors/Managers of Production and Operating Workers
- 771 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- 772 Electrical, Electronics, and Electromechanical Assemblers
- 773 Engine and Other Machine Assemblers
- 774 Structural Metal Fabricators and Fitters
- 775 Miscellaneous Assemblers and Fabricators
- 780 Bakers
- 781 Butchers and Other Meat, Poultry, and Fish Processing Workers
- 783 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
- 784 Food Batchmakers
- 785 Food Cooking Machine Operators and Tenders
- 790 Computer Control Programmers and Operators
- 792 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 793 Forging Machine Setters, Operators, and Tenders, Metal and Plastic
- 794 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- 795 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
- 796 Drilling and Boring Machine Tool Setters, Operators, and Tenders,

Metal and Plastic

800 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters,

Operators, and Tenders, Metal and Plastic

801 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic

802 Milling and Planing Machine Setters, Operators, and Tenders, Metal

and Plastic

- 803 Machinists
- 804 Metal Furnace and Kiln Operators and Tenders
- 806 Model Makers and Patternmakers, Metal and Plastic
- 810 Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
- 812 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

- 813 Tool and Die Makers
- 814 Welding, Soldering, and Brazing Workers
- 815 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
- 816 Lay-Out Workers, Metal and Plastic
- 820 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
- 821 Tool Grinders, Filers, and Sharpeners
- 822 Metalworkers and Plastic Workers, All Other
- 823 Bookbinders and Bindery Workers
- 824 Job Printers* (recoded to 823)
- 825 Prepress Technicians and Workers* (recoded to 823)
- 826 Printing Machine Operators* (recoded to 823)
- 830 Laundry and Dry-Cleaning Workers
- 831 Pressers, Textile, Garment, and Related Materials
- 832 Sewing Machine Operators
- 833 Shoe and Leather Workers and Repairers
- 834 Shoe Machine Operators and Tenders
- 835 Tailors, Dressmakers, and Sewers
- 836 Textile Bleaching and Dyeing Machine Operators and Tenders
- 840 Textile Cutting Machine Setters, Operators, and Tenders
- 841 Textile Knitting and Weaving Machine Setters, Operators, and Tenders
- 842 Textile Winding, Twisting, and Drawing Out Machine Setters,

Operators, and Tenders

843 Extruding and Forming Machine Setters, Operators, and Tenders,

Synthetic and Glass Fibers

- 844 Fabric and Apparel Patternmakers
- 845 Upholsterers
- 846 Textile, Apparel, and Furnishings Workers, All Other
- 850 Cabinetmakers and Bench Carpenters
- 851 Furniture Finishers
- 852 Model Makers and Patternmakers, Wood
- 853 Sawing Machine Setters, Operators, and Tenders, Wood
- 854 Woodworking Machine Setters, Operators, and Tenders, Except Sawing
- 855 Woodworkers, All Other
- 860 Power Plant Operators, Distributors, and Dispatchers
- 861 Stationary Engineers and Boiler Operators
- 862 Water and Liquid Waste Treatment Plant and System Operators
- 863 Miscellaneous Plant and System Operators
- 864 Chemical Processing Machine Setters, Operators, and Tenders
- 865 Crushing, Grinding, Polishing, Mixing, and Blending Workers
- 871 Cutting Workers
- 872 Extruding, Forming, Pressing, and Compacting Machine Setters,

Operators, and Tenders

- 873 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
- 874 Inspectors, Testers, Sorters, Samplers, and Weighers

- 875 Jewelers and Precious Stone and Metal Workers
- 876 Medical, Dental, and Ophthalmic Laboratory Technicians
- 880 Packaging and Filling Machine Operators and Tenders
- 881 Painting Workers
- 883 Photographic Process Workers and Processing Machine Operators
- 884 Semiconductor Processors
- 885 Cementing and Gluing Machine Operators and Tenders
- 886 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
- 890 Cooling and Freezing Equipment Operators and Tenders
- 891 Etchers and Engravers
- 892 Molders, Shapers, and Casters, Except Metal and Plastic
- 893 Paper Goods Machine Setters, Operators, and Tenders
- 894 Tire Builders
- 895 Helpers--Production Workers
- 896 Production Workers, All Other

Transport & Materials Moving Occupations

- 900 Supervisors, Transportation and Material Moving Workers
- 903 Aircraft Pilots and Flight Engineers
- 904 Air Traffic Controllers and Airfield Operations Specialists
- 911 Ambulance Drivers and Attendants, Except Emergency Medical

Technicians

- 912 Bus Drivers
- 913 Driver/Sales Workers and Truck Drivers
- 914 Taxi Drivers and Chauffeurs
- 915 Motor Vehicle Operators, All Other
- 920 Locomotive Engineers and Operators
- 923 Railroad Brake, Signal, and Switch Operators
- 924 Railroad Conductors and Yardmasters
- 926 Subway, Streetcar, and Other Rail Transportation Workers
- 930 Sailors and Marine Oilers
- 931 Ship and Boat Captains and Operators
- 933 Ship Engineers
- 934 Bridge and Lock Tenders
- 935 Parking Lot Attendants
- 936 Service Station Attendants
- 941 Transportation Inspectors
- 942 Other Transportation Workers
- 950 Conveyor Operators and Tenders
- 951 Crane and Tower Operators
- 952 Dredge, Excavating, and Loading Machine Operators
- 956 Hoist and Winch Operators
- 960 Industrial Truck and Tractor Operators
- 961 Cleaners of Vehicles and Equipment
- 962 Laborers and Freight, Stock, and Material Movers, Hand
- 963 Machine Feeders and Offbearers

- 964 Packers and Packagers, Hand
- 965 Pumping Station Operators
- 972 Refuse and Recyclable Material Collectors
- 973 Shuttle Car Operators
- 974 Tank Car, Truck, and Ship Loaders
- 975 Material Moving Workers, All Other
- 980 Military Officer Special and Tactical Operations Leaders/Managers
- 981 First-Line Enlisted Military Supervisors/Managers
- 982 Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members
- 983 Military, Rank Not Specified

IV.	Means and	Regression	Results	from	the	PSID
- • •	micuin and	Treat conton	ILCDUILD	11 0111	tile .	

Table 2: Means for PSID Waves 1981, 1990, 1999, and 2011

Men Women Men Women Men Women Men Women Men Women log hourly earnings 3.071 2.594 3.054 2.753 3.110 2.851 3.235 3.003 years of FT experience (expf) 20.328 13.510 19.153 14.683 19.753 15.905 17.801 16.354 yrs FT Exp squared(expfsq) 540.988 263.441 472.502 290.199 491.586 338.542 414.745 358.915 years of PT experience (expp) 1.333 2.783 1.862 2.853 2.020 3.719 2.100 3.584
years of FT experience (expf) 20.328 13.510 19.153 14.683 19.753 15.905 17.801 16.354 yrs FT Exp squared(expfsq) 540.988 263.441 472.502 290.199 491.586 338.542 414.745 358.91 years of PT experience (expp) 1.333 2.783 1.862 2.853 2.020 3.719 2.100 3.584
years of FT experience (expf) 20.328 13.510 19.153 14.683 19.753 15.905 17.801 16.354 yrs FT Exp squared(expfsq) 540.988 263.441 472.502 290.199 491.586 338.542 414.745 358.91 years of PT experience (expp) 1.333 2.783 1.862 2.853 2.020 3.719 2.100 3.584
yrs FT Exp squared(expfsq) 540.988 263.441 472.502 290.199 491.586 338.542 414.745 358.91 years of PT experience (expp) 1.333 2.783 1.862 2.853 2.020 3.719 2.100 3.584
years of PT experience (expp) 1.333 2.783 1.862 2.853 2.020 3.719 2.100 3.584
yrs of PT exp squared (exppsq) 7.794 23.496 15.497 26.868 11.462 33.749 10.473 31.210
years of schooling (edyrs) 13.349 13.177 13.764 13.739 14.199 14.288 14.345 14.512
college degree only (colldeg) 0.181 0.153 0.200 0.176 0.234 0.222 0.262 0.247
advanced degree (advdeg) 0.100 0.074 0.103 0.087 0.117 0.108 0.129 0.157
msa dummy (msa) 0.698 0.714 0.553 0.571 0.512 0.513 0.507 0.531
northeast 0.241 0.220 0.231 0.225 0.199 0.184 0.202 0.192
northcentral 0.290 0.254 0.286 0.256 0.307 0.279 0.280 0.291
south 0.286 0.346 0.308 0.348 0.302 0.353 0.324 0.329
west 0.183 0.180 0.174 0.171 0.191 0.184 0.194 0.188
black 0.086 0.132 0.092 0.156 0.089 0.147 0.108 0.157
hispanic 0.027 0.030 0.036 0.042 0.018 0.012 0.052 0.040
otherrace 0.006 0.004 0.010 0.004 0.028 0.019 0.015 0.012
collective bargaining cov. (cb) 0.345 0.211 0.254 0.194 0.215 0.182 0.174 0.189
govt 0.202 0.263 0.195 0.277 0.218 0.303 0.212 0.302
mining, construction 0.089 0.008 0.087 0.013 0.086 0.010 0.095 0.011
durables 0.236 0.117 0.213 0.092 0.167 0.079 0.133 0.059
nondurables 0.105 0.109 0.092 0.080 0.085 0.057 0.064 0.031
transportation 0.085 0.016 0.065 0.026 0.070 0.023 0.060 0.035
Utilities 0.022 0.007 0.028 0.008 0.023 0.005 0.027 0.008
communications 0.032 0.032 0.031 0.030 0.041 0.023 0.036 0.026
retailtrade 0.082 0.069 0.090 0.072 0.078 0.075 0.088 0.066
wholesale trade 0.036 0.022 0.055 0.027 0.045 0.023 0.050 0.026
finance, ins, real est. 0.046 0.089 0.048 0.095 0.050 0.092 0.057 0.087
soc. work, arts, rec, oth svcs 0.041 0.046 0.043 0.036 0.060 0.049 0.054 0.068
hotels, restaurants 0.012 0.038 0.021 0.048 0.018 0.037 0.024 0.044
medical svcs 0.026 0.169 0.034 0.177 0.039 0.175 0.062 0.206
education 0.072 0.169 0.064 0.169 0.064 0.190 0.067 0.170
professional svcs 0.044 0.052 0.064 0.064 0.081 0.084 0.086 0.072
pub admin 0.073 0.056 0.064 0.062 0.093 0.078 0.097 0.093

Table 2: Means for PSID Waves 1981, 1990, 1999, and 2011 (ctd)

	19	981	19	990	19	999	20	011
	Men	Women	Men	Women	Men	Women	Men	Women
manager	0.179	0.063	0.182	0.071	0.177	0.089	0.132	0.095
business operator	0.019	0.020	0.014	0.025	0.020	0.041	0.026	0.037
financial operator	0.016	0.009	0.015	0.013	0.022	0.023	0.025	0.030
computer, math tech	0.019	0.013	0.037	0.020	0.039	0.017	0.049	0.019
architect, engineer	0.060	0.004	0.065	0.012	0.060	0.004	0.042	0.006
life, phys, soc sci tech	0.013	0.008	0.017	0.007	0.017	0.009	0.018	0.015
community, soc worker	0.013	0.017	0.012	0.013	0.010	0.013	0.014	0.035
postsecondary educ	0.012	0.008	0.009	0.009	0.008	0.006	0.007	0.009
other education	0.025	0.087	0.021	0.098	0.029	0.111	0.034	0.113
art, design, entertainment	0.011	0.010	0.012	0.018	0.014	0.015	0.013	0.012
lawyer, physician	0.008	0.001	0.011	0.006	0.015	0.012	0.019	0.012
nurses, hlt practioner, tech	0.010	0.070	0.011	0.078	0.012	0.081	0.020	0.090
health support	0.003	0.048	0.003	0.040	0.005	0.029	0.003	0.043
protective svc	0.027	0.008	0.031	0.008	0.044	0.007	0.051	0.011
food prep, pers care	0.007	0.051	0.010	0.051	0.016	0.049	0.022	0.058
bldg maintenance	0.023	0.024	0.022	0.023	0.029	0.022	0.032	0.008
sales	0.053	0.082	0.065	0.112	0.070	0.132	0.092	0.073
office admin	0.059	0.316	0.058	0.283	0.060	0.254	0.065	0.262
const, extract, installation	0.153	0.004	0.144	0.007	0.145	0.006	0.156	0.006
production occ	0.188	0.133	0.158	0.090	0.123	0.067	0.091	0.039
transport, materials moving occs								
(transport occs)	0.101	0.024	0.105	0.016	0.086	0.013	0.089	0.027
Sample Size	2282	1491	2617	2068	2391	2146	2368	2456

Table 3: Male Human Capital Wage Regressions

Wave	1981	1990	1999	2011
expf	0.0415**	0.0385**	0.0402**	0.0538**
	(0.0036)	(0.0035)	(0.0040)	(0.0045)
expfsq	-0.0007**	-0.0005**	-0.0007**	-0.0011**
	(0.0001)	(0.0001)	(0.0001)	(0.0001)
expp	-0.0068	-0.0059	-0.0084	-0.0070
	(0.0068)	(0.0056)	(0.0068)	(0.0086)
exppsq	-0.0002	0.0006**	0.0004	-0.0005
	(0.0004)	(0.0002)	(0.0005)	(0.0008)
edyrs	0.0516**	0.0671**	0.0667**	0.0784**
	(0.0052)	(0.0062)	(0.0078)	(0.0096)
colldeg	0.0921**	0.1509**	0.1195**	0.2323**
	(0.0321)	(0.0329)	(0.0366)	(0.0409)
advdeg	0.0608	0.1608**	0.2518**	0.3112**
	(0.0433)	(0.0455)	(0.0517)	(0.0601)
msa	0.1723**	0.1117**	0.0990**	0.0716**
	(0.0195)	(0.0186)	(0.0209)	(0.0229)
northeast	-0.0493+	0.0806**	0.0362	0.0517
	(0.0277)	(0.0284)	(0.0323)	(0.0349)
northcentral	-0.0097	-0.0467+	-0.0575+	-0.1035**
	(0.0267)	(0.0276)	(0.0295)	(0.0328)
south	-0.1001**	-0.0867**	-0.0966**	-0.0753*
	(0.0275)	(0.0278)	(0.0307)	(0.0325)
black	-0.1577**	-0.1893**	-0.2570**	-0.3120**
	(0.0321)	(0.0315)	(0.0360)	(0.0367)
hisp	-0.1588**	-0.0574	-0.2855**	-0.0250
	(0.0550)	(0.0481)	(0.0767)	(0.0502)
otherrace	0.0052	-0.0605	0.0414	0.1407
	(0.1145)	(0.0912)	(0.0607)	(0.0887)
_cons	1.8217**	1.5745**	1.6852**	1.5603**
	(0.0809)	(0.0899)	(0.1114)	(0.1363)
N	2282	2617	2391	2368
Adj. R squ.	0.2601	0.3118	0.2903	0.3155

⁺ p<.10, * p<.05, ** p<.01

Source: PSID. For variable definitions, see 20160995_blau_kahn_psid_regression_file_variable_list.pdf Acronyms are defined in Table 2 of this Appendix.

Table 4: Female Human Capital Wage Regressions

Wave	1981	1990	1999	2011
expf	0.0256**	0.0430**	0.0362**	0.0381**
	(0.0039)	(0.0036)	(0.0038)	(0.0039)
expfsq	-0.0004**	-0.0008**	-0.0006**	-0.0007**
	(0.0001)	(0.0001)	(0.0001)	(0.0001)
ехрр	-0.0146**	-0.0114*	-0.0090+	-0.0027
	(0.0052)	(0.0048)	(0.0049)	(0.0046)
exppsq	0.0010**	0.0008**	0.0002	0.0000
	(0.0002)	(0.0002)	(0.0002)	(0.0002)
edyrs	0.0685**	0.0916**	0.0740**	0.0862**
	(0.0068)	(0.0066)	(0.0078)	(0.0092)
colldeg	0.1434**	0.1083**	0.1545**	0.1360**
	(0.0402)	(0.0343)	(0.0348)	(0.0378)
advdeg	0.1979**	0.1177*	0.2665**	0.2056**
	(0.0560)	(0.0483)	(0.0505)	(0.0545)
msa	0.1663**	0.0929**	0.0986**	0.1158**
	(0.0231)	(0.0189)	(0.0208)	(0.0199)
northeast	0.0809*	0.0461	0.0133	0.0778*
	(0.0330)	(0.0290)	(0.0325)	(0.0313)
northcentral	0.0270	-0.0850**	-0.1321**	-0.1121**
	(0.0320)	(0.0284)	(0.0300)	(0.0286)
south	-0.0419	-0.1424**	-0.1720**	-0.0980**
	(0.0305)	(0.0277)	(0.0298)	(0.0287)
black	-0.0674*	-0.1344**	-0.0777**	-0.1360**
	(0.0305)	(0.0259)	(0.0287)	(0.0275)
hisp	-0.0581	-0.0205	0.0767	0.0124
	(0.0610)	(0.0451)	(0.0906)	(0.0494)
otherrace	-0.0694	-0.0002	-0.1273+	-0.2332**
	(0.1631)	(0.1401)	(0.0707)	(0.0859)
_cons	1.3172**	1.1023**	1.4428**	1.3278**
	(0.0961)	(0.0944)	(0.1102)	(0.1279)
N	1491	2068	2146	2456
Adj. R squ.	0.3282	0.3824	0.3255	0.3210

⁺ p<.10, * p<.05, ** p<.01

Source: PSID. For variable definitions, see 20160995_blau_kahn_psid_regression_file_variable_list.pdf Acronyms are defined in Table 2 of this Appendix.

Table 5: Male Wage Regressions, Full Specification

Wave	1981	1990	1999	2011
expf	0.0377**	0.0314**	0.0375**	0.0433**
	(0.0033)	(0.0032)	(0.0037)	(0.0040)
expfsq	-0.0006**	-0.0004**	-0.0007**	-0.0008**
	(0.0001)	(0.0001)	(0.0001)	(0.0001)
expp	-0.0056	-0.0024	-0.0041	-0.0039
	(0.0063)	(0.0051)	(0.0063)	(0.0078)
exppsq	-0.0002	0.0005*	0.0002	-0.0005
	(0.0004)	(0.0002)	(0.0004)	(0.0007)
edyrs	0.0492**	0.0536**	0.0455**	0.0523**
	(0.0051)	(0.0061)	(0.0078)	(0.0089)
colldeg	0.0663*	0.1297**	0.1095**	0.1786**
	(0.0309)	(0.0313)	(0.0347)	(0.0378)
advdeg	0.0824+	0.2096**	0.2836**	0.2669**
	(0.0444)	(0.0444)	(0.0504)	(0.0558)
msa	0.1283**	0.0890**	0.0829**	0.0502*
	(0.0184)	(0.0172)	(0.0194)	(0.0206)
northeast	-0.0428+	0.0472+	0.0113	0.0476
	(0.0258)	(0.0262)	(0.0299)	(0.0316)
northcentral	-0.0193	-0.0770**	-0.0624*	-0.1052**
	(0.0248)	(0.0253)	(0.0273)	(0.0296)
south	-0.0619*	-0.0885**	-0.0598*	-0.0694*
	(0.0256)	(0.0258)	(0.0286)	(0.0294)
black	-0.1350**	-0.1199**	-0.1819**	-0.2029**
	(0.0301)	(0.0292)	(0.0338)	(0.0337)
hisp	-0.1498**	-0.0752+	-0.1756*	-0.0284
	(0.0510)	(0.0442)	(0.0710)	(0.0452)
otherrace	0.0626	-0.0854	0.0823	0.1079
	(0.1076)	(0.0837)	(0.0563)	(0.0800)
cb	0.2235**	0.2345**	0.2505**	0.2050**
	(0.0201)	(0.0211)	(0.0256)	(0.0287)
govt	-0.0638*	-0.0887**	-0.0648+	-0.0835*
	(0.0298)	(0.0297)	(0.0354)	(0.0348)
durables	0.0099	0.0492	0.1680**	0.0962*
	(0.0349)	(0.0349)	(0.0411)	(0.0449)
nondurables	-0.0518	-0.0265	0.1262**	0.1559**
	(0.0397)	(0.0406)	(0.0464)	(0.0532)
Transportation	-0.0055	0.0625	0.1219*	0.1002+
-	(0.0421)	(0.0442)	(0.0488)	(0.0551)
Utilities	0.0235	0.1370*	0.2777**	0.1727*
	(0.0613)	(0.0558)	(0.0683)	(0.0683)
Communications	-0.0306	0.1005+	0.2350**	0.1080+
	(0.0546)	(0.0548)	(0.0565)	(0.0622)

Table 5: Male Wage Regressions, Full Specification (ctd)

Wave	1981	1990	1999	2011
retailtrade	-0.2237**	-0.1833**	-0.0795+	-0.2152**
	(0.0427)	(0.0403)	(0.0479)	(0.0497)
wholesaletrade	-0.1715**	-0.0243	0.0440	-0.0406
	(0.0538)	(0.0466)	(0.0559)	(0.0570)
finance	-0.0724	-0.0363	0.1587**	0.2320**
	(0.0506)	(0.0489)	(0.0554)	(0.0564)
SocArtOther	-0.2815**	-0.2236**	-0.1554**	-0.1865**
	(0.0506)	(0.0496)	(0.0500)	(0.0561)
hotelsrestaurants	-0.4712**	-0.2284**	-0.1809*	-0.2622**
	(0.0873)	(0.0671)	(0.0855)	(0.0956)
Medical	-0.0479	-0.1217*	0.0900	-0.0333
	(0.0660)	(0.0594)	(0.0663)	(0.0603)
Education	-0.2075**	-0.0607	-0.0595	-0.1249+
	(0.0583)	(0.0581)	(0.0642)	(0.0683)
professional	-0.1502**	-0.0417	0.2076**	0.0484
	(0.0507)	(0.0440)	(0.0479)	(0.0494)
publicadmin	0.0394	0.0132	0.0413	0.0614
•	(0.0528)	(0.0543)	(0.0576)	(0.0601)
business	-0.0911	0.0481	0.0204	-0.2987**
	(0.0626)	(0.0700)	(0.0685)	(0.0668)
financialop	-0.0039	0.0170	-0.0989	-0.4481**
•	(0.0667)	(0.0707)	(0.0659)	(0.0684)
computer	-0.0406	0.0201	0.0092	-0.2773**
·	(0.0627)	(0.0465)	(0.0514)	(0.0519)
architect	-0.0773+	0.0151	-0.0550	-0.1185*
	(0.0400)	(0.0387)	(0.0439)	(0.0550)
scientist	-0.0937	-0.1160+	-0.1665*	-0.3675**
	(0.0747)	(0.0658)	(0.0742)	(0.0781)
socialworker	-0.3925**	-0.5446**	-0.2842**	-0.6391**
	(0.0779)	(0.0815)	(0.0940)	(0.0888)
postseceduc	-0.1163	-0.2353*	-0.0921	-0.1972
	(0.0867)	(0.0962)	(0.1190)	(0.1212)
legaleduc	-0.2456**	-0.3249**	-0.4145**	-0.4658**
	(0.0692)	(0.0712)	(0.0730)	(0.0779)
artist	-0.1939*	-0.1897*	-0.1836*	-0.2244*
	(0.0816)	(0.0776)	(0.0799)	(0.0913)
lawyerphysician	0.1605	0.0550	0.2119*	0.2946**
-	(0.1008)	(0.0848)	(0.0835)	(0.0816)
healthcare	-0.2889**	-0.0856	-0.2414**	-0.1776*
	(0.0872)	(0.0869)	(0.0935)	(0.0825)
healthsupport	-0.4567**	-0.5429**	-0.6776**	-0.8819**
	(0.1554)	(0.1471)	(0.1365)	(0.1968)

Table 5: Male Wage Regressions, Full Specification (ctd)

1981	1990	1999	2011
-0.3785**	-0.1807**	-0.2453**	-0.2211**
(0.0601)	(0.0581)	(0.0591)	(0.0629)
-0.1764	-0.4295**	-0.3352**	-0.5318**
(0.1090)	(0.0906)	(0.0849)	(0.0945)
-0.4744**	-0.5587**	-0.5325**	-0.6478**
(0.0611)	(0.0640)	(0.0631)	(0.0665)
-0.1604**	-0.1635**	-0.1096**	-0.2092**
(0.0411)	(0.0379)	(0.0422)	(0.0455)
-0.2851**	-0.3579**	-0.3685**	-0.5906**
(0.0414)	(0.0399)	(0.0447)	(0.0491)
-0.2377**	-0.1576**	-0.1799**	-0.3739**
(0.0341)	(0.0325)	(0.0376)	(0.0416)
-0.2606**	-0.2611**	-0.2866**	-0.5754**
(0.0323)	(0.0329)	(0.0385)	(0.0476)
-0.3632**	-0.3722**	-0.3434**	-0.5986**
(0.0371)	(0.0357)	(0.0428)	(0.0488)
2.1237**	2.0132**	2.0762**	2.3400**
(0.0908)	(0.0964)	(0.1186)	(0.1351)
2282	2617	2391	2368
0.3800	0.4375	0.4103	0.4607
	-0.3785** (0.0601) -0.1764 (0.1090) -0.4744** (0.0611) -0.1604** (0.0411) -0.2851** (0.0414) -0.2377** (0.0341) -0.2606** (0.0323) -0.3632** (0.0371) 2.1237** (0.0908)	-0.3785** -0.1807** (0.0601) (0.0581) -0.1764 -0.4295** (0.1090) (0.0906) -0.4744** -0.5587** (0.0611) (0.0640) -0.1604** -0.1635** (0.0411) (0.0379) -0.2851** -0.3579** (0.0414) (0.0399) -0.2377** -0.1576** (0.0341) (0.0325) -0.2606** -0.2611** (0.0323) (0.0329) -0.3632** -0.3722** (0.0371) (0.0357) 2.1237** (0.0908) (0.0964)	-0.3785** -0.1807** -0.2453** (0.0601) (0.0581) (0.0591) -0.1764 -0.4295** -0.3352** (0.1090) (0.0906) (0.0849) -0.4744** -0.5587** -0.5325** (0.0611) (0.0640) (0.0631) -0.1604** -0.1635** -0.1096** (0.0411) (0.0379) (0.0422) -0.2851** -0.3579** -0.3685** (0.0414) (0.0399) (0.0447) -0.2377** -0.1576** -0.1799** (0.0341) (0.0325) (0.0376) -0.2606** -0.2611** -0.2866** (0.0323) (0.0329) (0.0385) -0.3632** -0.3722** -0.3434** (0.0371) (0.0357) (0.0428) 2.1237** 2.0132** 2.0762** (0.0908) (0.0964) (0.1186)

⁺ p<.10, * p<.05, ** p<.01

Source: PSID. For variable definitions, see

 $20160995_blau_kahn_psid_regression_file_variable_list.pdf$

Acronyms are defined in Table 2 of this Appendix.

Table 6: Female Wage Regressions, Full Specification

Wave	1981	1990	1999	2011
expf	0.0194**	0.0360**	0.0297**	0.0357**
	(0.0036)	(0.0034)	(0.0035)	(0.0035)
expfsq	-0.0003**	-0.0006**	-0.0005**	-0.0007**
	(0.0001)	(0.0001)	(0.0001)	(0.0001)
ехрр	-0.0104*	-0.0068	-0.0086+	0.0012
	(0.0049)	(0.0045)	(0.0045)	(0.0042)
exppsq	0.0008**	0.0005*	0.0001	-0.0001
	(0.0002)	(0.0002)	(0.0002)	(0.0002)
edyrs	0.0361**	0.0553**	0.0444**	0.0525**
	(0.0069)	(0.0065)	(0.0075)	(0.0088)
colldeg	0.0591	0.1273**	0.1483**	0.1295**
	(0.0396)	(0.0327)	(0.0325)	(0.0353)
advdeg	0.1698**	0.2189**	0.2988**	0.2504**
	(0.0568)	(0.0484)	(0.0489)	(0.0519)
msa	0.1349**	0.0705**	0.0721**	0.0707**
	(0.0216)	(0.0177)	(0.0193)	(0.0182)
northeast	0.0288	0.0348	0.0099	0.0671*
	(0.0301)	(0.0267)	(0.0298)	(0.0283)
northcentral	-0.0008	-0.0790**	-0.0940**	-0.0977**
	(0.0292)	(0.0261)	(0.0275)	(0.0261)
south	-0.0656*	-0.0891**	-0.1372**	-0.0750**
	(0.0282)	(0.0262)	(0.0277)	(0.0263)
black	-0.0218	-0.1042**	-0.0498+	-0.0951**
	(0.0284)	(0.0247)	(0.0271)	(0.0255)
hisp	-0.0878	-0.0413	0.0712	0.0169
	(0.0554)	(0.0415)	(0.0835)	(0.0447)
otherrace	-0.0761	-0.0202	-0.0615	-0.1976*
	(0.1504)	(0.1275)	(0.0650)	(0.0779)
cb	0.1454**	0.2181**	0.1903**	0.1850**
	(0.0257)	(0.0247)	(0.0277)	(0.0263)
govt	0.0709*	0.0237	-0.0361	-0.0192
	(0.0306)	(0.0298)	(0.0312)	(0.0277)
durables	-0.0850	-0.1109	0.0476	0.1135
	(0.1084)	(0.0779)	(0.0946)	(0.0925)
nondurables	-0.1226	-0.2014*	-0.0289	0.0709
	(0.1096)	(0.0789)	(0.0962)	(0.0975)
Transportation	0.0615	-0.0952	0.1494	0.0534
	(0.1266)	(0.0898)	(0.1067)	(0.0975)
Utilities	0.0014	-0.0816	0.0588	-0.0316
	(0.1513)	(0.1158)	(0.1479)	(0.1269)
Communications	0.0278	-0.0744	0.1024	0.0533
	(0.1158)	(0.0860)	(0.1057)	(0.0997)

Table 6: Female Wage Regressions, Full Specification (ctd)

Wave	1981	1990	1999	2011
retailtrade	-0.2207*	-0.3749**	-0.3176**	-0.2328*
	(0.1117)	(0.0788)	(0.0929)	(0.0908)
wholesaletrade	-0.1404	-0.2327**	-0.0732	0.0008
	(0.1201)	(0.0874)	(0.1047)	(0.0995)
finance	-0.1586	-0.1095	0.0085	0.0460
	(0.1075)	(0.0768)	(0.0919)	(0.0881)
SocArtOther	-0.3830**	-0.2771**	-0.2004*	-0.2806**
	(0.1144)	(0.0850)	(0.0966)	(0.0899)
hotelsrestaurants	-0.4019**	-0.4485**	-0.3259**	-0.2587**
	(0.1177)	(0.0837)	(0.1025)	(0.0962)
Medical	-0.2210*	-0.2600**	-0.1439	-0.0512
	(0.1083)	(0.0767)	(0.0920)	(0.0868)
Education	-0.2910**	-0.3066**	-0.1663+	-0.1629+
	(0.1099)	(0.0804)	(0.0947)	(0.0899)
professional	-0.2244*	-0.1766*	-0.0369	-0.0192
	(0.1110)	(0.0788)	(0.0923)	(0.0892)
publicadmin	-0.1660	-0.1399+	0.0158	-0.0051
	(0.1136)	(0.0833)	(0.0962)	(0.0904)
business	0.1923**	0.0137	0.0429	-0.1041*
	(0.0745)	(0.0598)	(0.0534)	(0.0528)
financialop	0.0902	-0.0635	0.0136	-0.1910**
	(0.1042)	(0.0780)	(0.0660)	(0.0576)
computer	0.3189**	0.1299*	0.2628**	0.0462
	(0.0909)	(0.0661)	(0.0734)	(0.0684)
architect	0.0250	-0.0438	0.2239	-0.0855
	(0.1544)	(0.0826)	(0.1447)	(0.1126)
scientist	-0.2280*	-0.1385	-0.0627	-0.2493**
	(0.1093)	(0.1028)	(0.1000)	(0.0755)
socialworker	0.0307	-0.1707*	-0.0215	-0.3877**
	(0.0882)	(0.0811)	(0.0834)	(0.0544)
postseceduc	-0.0270	-0.0789	-0.1703	-0.2391*
	(0.1102)	(0.0990)	(0.1166)	(0.0959)
legaleduc	0.1608**	-0.1265*	-0.0517	-0.3928**
- G	(0.0564)	(0.0496)	(0.0498)	(0.0437)
artist	-0.1880+	-0.0047	-0.0028	-0.0481
	(0.0974)	(0.0692)	(0.0808)	(0.0886)
lawyerphysician	0.0302	-0.0854	0.3791**	0.0359
	(0.2605)	(0.1094)	(0.0906)	(0.0840)
healthcare	0.0812	-0.0201	0.1774**	-0.0859+
	(0.0555)	(0.0460)	(0.0465)	(0.0440)
healthsupport	-0.3002**	-0.3358**	-0.2100**	-0.5490**
	(0.0607)	(0.0552)	(0.0638)	(0.0549)

Table 6: Female Wage Regressions, Full Specification (ctd)

Wave	1981	1990	1999	2011
protective	0.1328	0.1226	0.0870	-0.3584**
	(0.1094)	(0.0966)	(0.1091)	(0.0878)
foodcare	-0.4588**	-0.4142**	-0.2990**	-0.5420**
	(0.0616)	(0.0527)	(0.0546)	(0.0511)
building	-0.3965**	-0.2987**	-0.4572**	-0.6396**
	(0.0738)	(0.0651)	(0.0687)	(0.0993)
sales	-0.1652**	-0.0716+	0.0947*	-0.2552**
	(0.0534)	(0.0413)	(0.0408)	(0.0459)
officeadmin	-0.1847**	-0.2053**	-0.1678**	-0.3998**
	(0.0413)	(0.0354)	(0.0358)	(0.0343)
construct	-0.1577	-0.3445**	-0.1080	-0.4988**
	(0.1458)	(0.1070)	(0.1209)	(0.1154)
production	-0.3383**	-0.4130**	-0.3018**	-0.5840**
	(0.0562)	(0.0481)	(0.0550)	(0.0579)
transport occs	-0.3239**	-0.3722**	-0.2892**	-0.6789**
	(0.0757)	(0.0754)	(0.0873)	(0.0689)
_cons	2.1349**	1.9761**	2.0544**	2.1964**
	(0.1481)	(0.1194)	(0.1420)	(0.1518)
N	1491	2068	2146	2456
Adj. R squ.	0.4683	0.4947	0.4533	0.4603

⁺ p<.10, * p<.05, ** p<.01

Source: PSID. For variable definitions, see

 $20160995_blau_kahn_psid_regression_file_variable_list.pdf$

Acronyms are defined in Table 2 of this Appendix.

References

- Blau, Francine D., Peter Brummund, and Albert Yung-Hsu Liu. 2013. "Trends in Occupational Segregation by Gender 1970-2009: Adjusting for the Impact of Changes in the Occupational Coding System." *Demography* 50, No. 2 (April): 471-492.
- Blau, Francine D. and Lawrence M. Kahn. 2004. "The U.S. Gender Pay Gap in the 1990s: Slowing Convergence." National Bureau of Economic Research Working Paper 10853. Cambridge, Mass.
- Jaeger, David A. 1997. "Reconciling the Old and New Census Bureau Education Questions: Recommendations for Researchers." *Journal of Business & Business Statistics* 15, No. 3 (July): 300-309.