Information to facilitate replication of Chris Forman, Avi Goldfarb, and Shane Greenstein, "The Internet and Local Wages: A Puzzle," *American Economic Review*

All analysis was conducted in Stata/MP 11.1 for Windows

Replication requires one program file and two data files.

Program files:

tables.do: Running this file will replicate all tables and figures in the paper and the appendix.

Data files:

countygrowth.dta: This is the main data file used in the analysis. It contains a cross section of all counties in the United States and all of the variables used in the analysis.

countyyear.dta: This is a supplemental data file that contains a panel of all counties in the United States from 1990 to 2005 inclusive. It enables some calculations that require multiple years, such as Figure 2 and Table 5 columns 3 and 4.

Intermediate steps for constructing the final data files:

For the most part, the final data set is a simple merge, based on county (and sometimes year), of several different datasets. The disparate data sets are described in detail in the paper and data appendix. The construction of the main variables of interest is also described in the data appendix. The data sets used are:

Publicly available from US government sources
- US Census demographics data by county from the 1990 and 2000 census.
- County-level business wage data from Quarterly Census of Employment and Wages
- US Patent and Trademark Office data on patents granted by county
- Current Population Survey Internet Use Supplement (from 2000) on home internet use
- County business patterns (from 1999) to construct weights to match Harte Hanks data to actual US enterprise population

Data culled from other sources:
- Business internet adoption data (and programmers instruments) from Harte Hanks Market Intelligence Computer Intelligence Technology database.
- ARPANET nodes constructed by the authors from various online sources (and then cross-checked with location-specific mentions)
- Data constructed for Downes and Greenstein (2007) on the number of students at Carnegie Rank 1 universities and the fraction of students enrolled in engineering programs