Housing Economics PLUS

Description of Housing Market Statistics Tables

Housing Market Statistics

Key data and primary indicators of the housing industry are available in this section of the site. Data are compiled from several public and private agencies such as the Census Bureau, Bureau of Labor Statistics, Bureau of Economic Analysis, Federal Reserve Board, Office of Thrift Supervision, National Association of Realtors, Mortgage Bankers Association, etc.

Housing Starts

Table 1. Housing Starts, U.S. and Regions (single and multifamily): Monthly Excel file that includes 7 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and monthly data from 2018.
- Monthly worksheet is from 1959 (2-4 unit and 5+ unit data begins in August 1963).
- Monthly % Change worksheet shows year-over-year percent changes, seasonally adjusted and not seasonally adjusted. NOT seasonally adjusted data begins in 1960; Seasonally adjusted data begins February 1959.
- Annual worksheet is from 1961 (2-4 unit and 5+ unit data begins in 1964).
- Annual % Change worksheet shows year-over-year percent changes from 1962 (2-4 unit and 5+ unit data begins in 1967).
- Type worksheet is a graph showing housing starts by type (single/multi).
- Region worksheet is a graph showing housing starts by region.

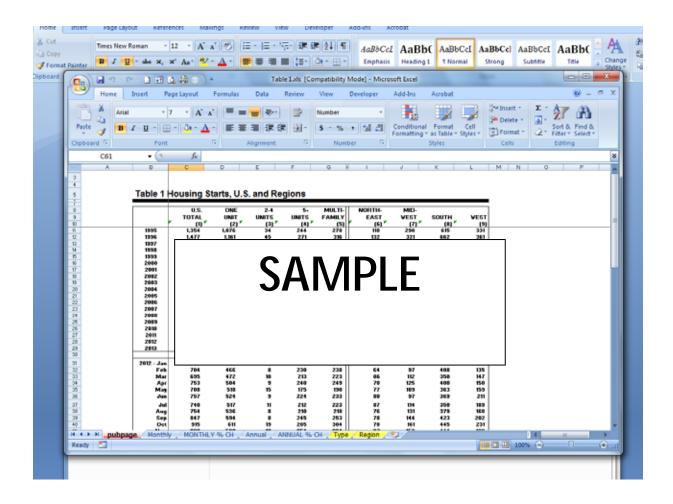


Table 2. Housing Starts by Structure Type (single and multifamily): **Quarterly** Excel file with 9 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and quarterly data from 2010.
- Annual worksheet shows total U.S. data from 1974, regional data from 1980.
- Quarterly worksheet shows total U.S. data from 1974, regional data from 1980.
- The next two worksheets are graphs of single family starts by region and multifamily starts by region.
- The final four worksheets are graphs of starts by region, single and multifamily (northeast, midwest, south and west).

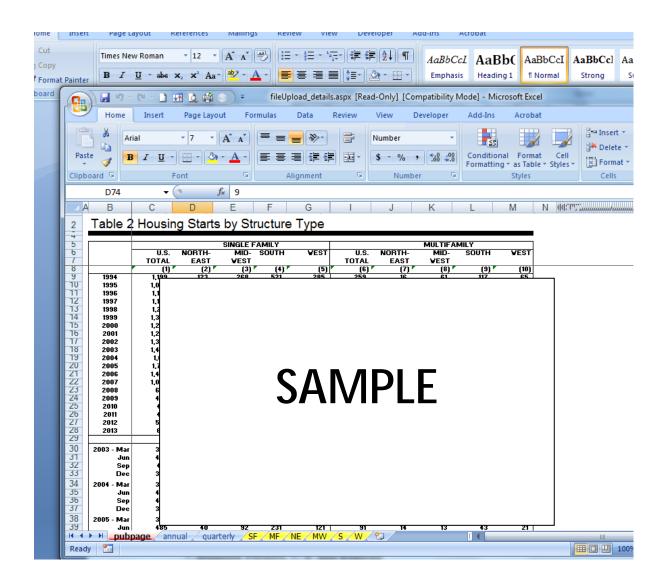


Table 3. Single-Family Starts by Intended Use and Design: Quarterly Excel file with 5 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and quarterly data from 2012.
 - o Intended use includes units for sale, contractor built, owner built and rentals.
 - o By design includes attached and detached.
- Annual worksheet shows total U.S. data from 1974, by design data from 1985.
- Quarterly worksheet shows total U.S. data from 1974, by design data from 1985.
- Intended use worksheet is a graph of single family starts by intended use.
- By design worksheet is a graph of single family starts by design.

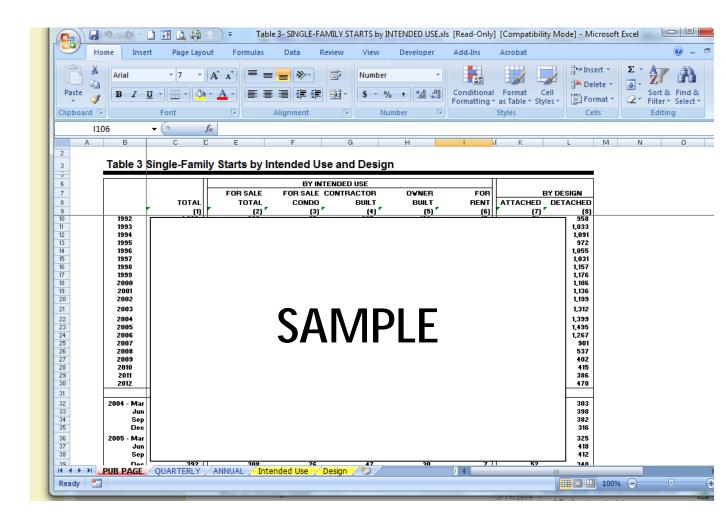


Table 4. Multifamily Starts by Intended Use and Design: Quarterly Excel file with 4 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and quarterly data from 2011.
 - Intended use includes units for sale and rentals.
 - Design includes 2-4 units and 5+ units, as well as historical data for townhouse apartments and conventional 5+ properties, 1993-2000.
- Annual worksheet shows 1974, design data from 1984-2000.
- Quarterly worksheet shows data from 1975, design data from 1993-2001.
- Multifamily worksheet is a graph of starts by intended use.

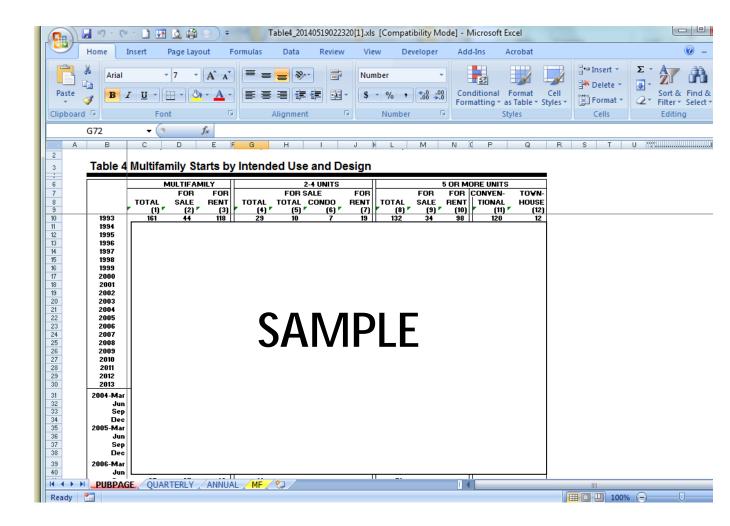


Table 5. Housing Starts by Intended Use, Northeast and Midwest (single and multifamily):

Quarterly Excel file with 7 worksheets. All data in thousands of units, except for square footage.

Pubpage worksheet includes annual data from 2000 and quarterly data from 2020. Intended use includes:

- single family units for sale, owner occupancy, attached homes, median square footage, average square footage
- multifamily units for sale, rentals, unit type 2-4 units, unit type 5+ units, median square footage, average square footage.
- Square footage and owner occupancy data begins in 1999 for Northeast and begins in 2000 for Midwest.

Annual worksheet shows

- Northeast: multifamily by unit type from 1980, for sale and rentals from 1985, and square footage from 1999; single family for sale and attached homes from 1985, owner occupancy and square footage from 1999
- Midwest: multifamily by unit type from 1980, for sale and rentals from 1985, and square footage from 1999; single family for sale and attached homes from 1985, owner occupancy and square footage from 1999.

Quarterly worksheet shows

- Northeast: multifamily by unit type, for sale and rentals from 1986, and square footage from 1999; single family for sale and attached homes from 1986, owner occupancy and square footage from 1999
- Midwest: multifamily by unit type, for sale and rentals from 1986, and square footage from 1999; single family for sale and attached homes from 1986, owner occupancy and square footage from 1999.

The next two worksheets are graphs of single family and multifamily starts in the northeast, for sale and owner occupancy.

The final two worksheets are graphs of single family and multifamily starts in the midwest, for sale and owner occupancy.

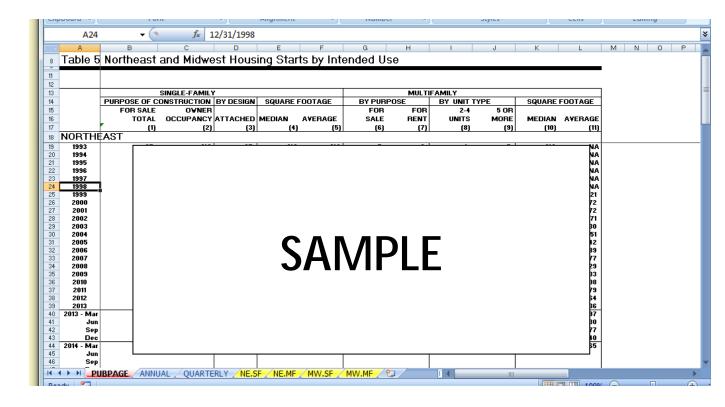


Table 6. Housing Starts by Intended Use, South and West (single and multifamily): Quarterly Excel file with 7 worksheets. All data in thousands of units, except for square footage.

Pubpage worksheet includes annual data from 2001 and quarterly data from 2020. Intended use includes:

- single family units for sale, owner occupancy, attached homes, median square footage, average square footage
- multifamily units for sale, rentals, unit type 2-4 units, unit type 5+ units, median square footage, average square footage.
- Square footage and owner occupancy data begins in 1999 for South and West.

Annual worksheet shows

- South: multifamily by 2-4 units from 1980, for sale and rentals from 1985, and 5+ units, square footage from 1999; single family total from 1980, for sale and attached/detached homes from 1985, owner built, contractor built and square footage from 1999;
- West: multifamily by 2-4 units from 1980, for sale and rentals from 1985, and 5+ units, square footage from 1999; single family total from 1980, for sale and attached/detached homes from 1985, owner built, contractor built and square footage from 1999.

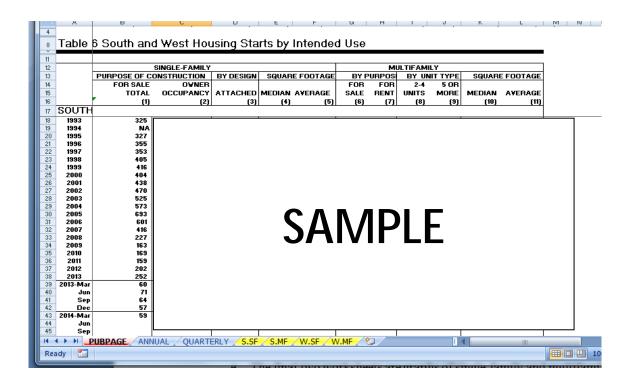
Quarterly worksheet shows

South: multifamily by 2-4 units, for sale and rentals from 1986, and 5+ units, square footage from 1999; single family for sale and attached/detached homes from 1986, owner built, contractor built, and square footage from 1999;

 West: multifamily 2-4 units, for sale and rentals from 1986, and 5+ units, square footage from 1999; single family for sale and attached/detached homes from 1986, owner built, contractor built, and square footage from 1999.

The next two worksheets are graphs of single family and multifamily starts in the south, for sale and owner occupancy.

The final two worksheets are graphs of single family and multifamily starts in the west, for sale and owner occupancy.



Building Permits

Table 7. Building Permits, **U.S. and Regions (single and multifamily)**: Monthly Excel file with 7 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2002 and monthly data from 2018.
- Monthly worksheet shows NOT seasonally adjusted data from 1959, and seasonally adjusted data from 1960.
- Monthly % Change worksheet shows year-over-year percent changes.
 - o NOT seasonally adjusted data begins in 1960;
 - Seasonally adjusted data shows monthly percent changes from February 1960.
- Annual worksheet is from 1960.
- Annual % change worksheet shows year-over-year percent changes from 1961.
- Total permits worksheet is a graph showing total single and multifamily building permits.
- Regional permits worksheet is a graph showing building permits by region (northeast, Midwest, south, east).

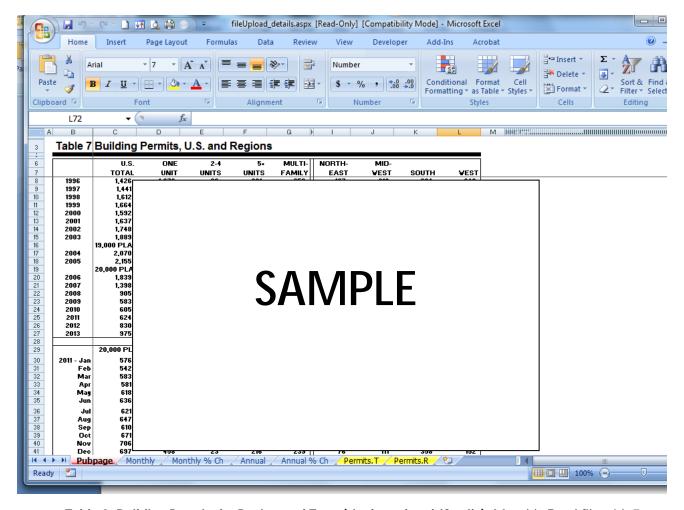


Table 8. Building Permits by Region and Type (single and multifamily): Monthly Excel file with 7 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2018.
 (type refers to single family and multifamily)
- Monthly worksheet includes data from 1988.
- Annual worksheet includes data from 1961.
- The last four worksheets are graphs showing building permits for each region.

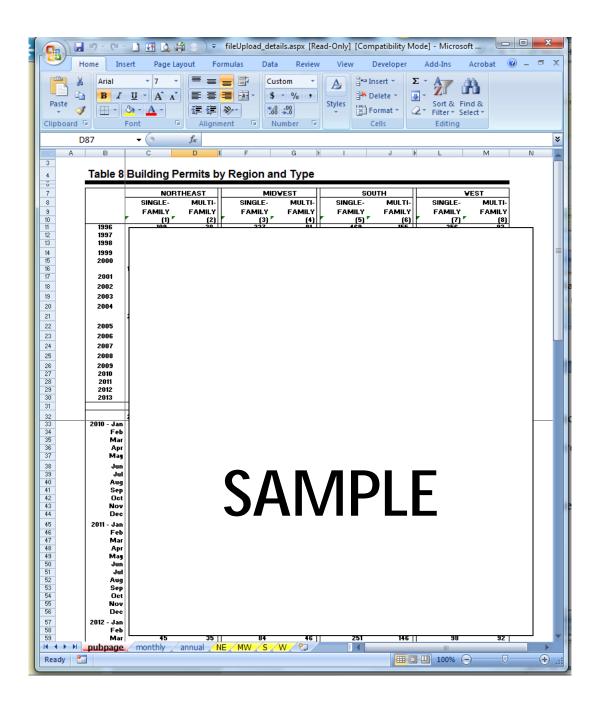
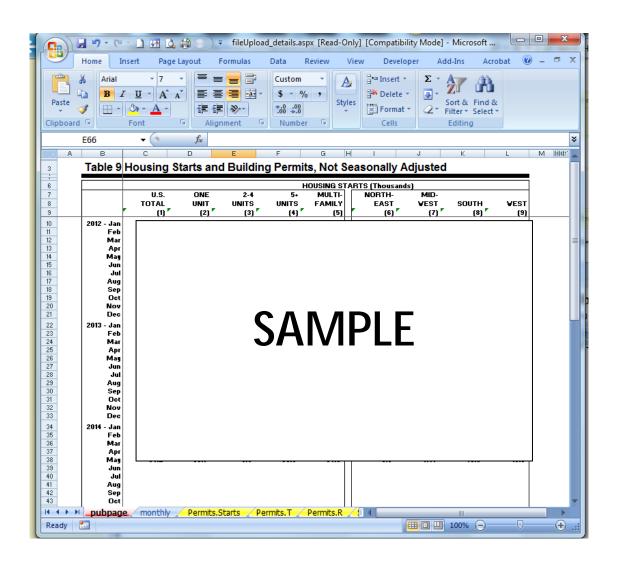


Table 9. Housing Starts and Building Permits, Not Seasonally Adjusted (single and multifamily): Monthly Excel file with 7 worksheets. All data in thousands of units.

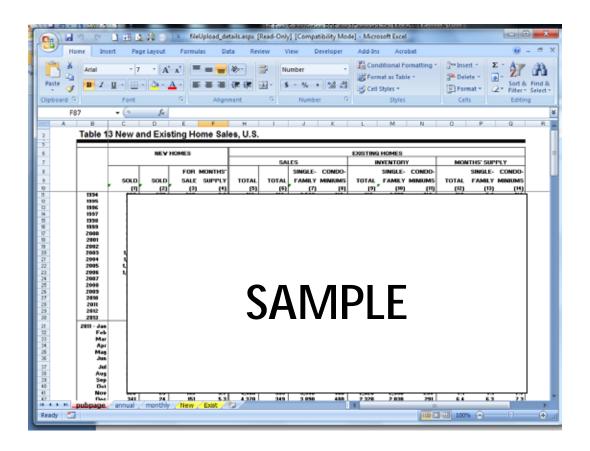
- Pubpage worksheet includes monthly starts data from 2019, and monthly permits data from 2020.
- Monthly worksheet includes starts data from 1959, 2-4 units and 5+ units from August 1963; building permits data from 1959.
- Permits/starts worksheet is a graph showing total permits and starts from Jan 2000-May 2014.
- Total permits worksheet is a graph showing total permits, single and multifamily.
- Regional permits worksheet is a graph showing permits by region.
- Total starts worksheet is a graph showing total starts, single and multifamily.
- Regional starts worksheet is a graph showing starts by region.



New & Existing Home Sales

Table 13. Home Sales, U.S., New and Existing (single family and condominiums): Monthly Excel file with 5 worksheets. Data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and monthly data from 2018.
 Data includes
 - o new homes: sold, for sale and month's supply
 - o existing homes: single family sales inventory, and month's supply. Data for existing condominium sales, inventory and month's supply begins in 1999.
- Monthly worksheet shows
 - o new home sales data from 1963; existing single family sales from 1968;
 - o existing single family inventory and month's supply from June 1982; existing condo sales, inventory and month's supply from 1999.
- Annual worksheet shows
 - o new home sales data from 1964;
 - o existing single family inventory and month's supply from 1982; existing single family sales from 1989; existing condo sales, inventory and month's supply from 1999.
- New sales worksheet is a graph showing new homes sold and month's supply.
- Existing sales worksheet is a graph showing existing homes sold and month's supply.



New & Existing Homes Sold

Table 14. Homes Sold by Region, New and Existing: Monthly Excel file with 6 worksheets. Data in thousands of units.

- Pubpage worksheet includes annual data from 2001 and monthly data from 2019.
 Data includes new homes sold and for sale; existing homes sold.
- Monthly worksheet shows existing homes sold from 1968; new homes sold and for sale from 1973.
- Annual worksheet shows new homes sold from 1964; new homes for sale from 1974; existing homes sold from 1989.
- New homes sold worksheet is a graph showing new single family homes sold by region.
- New homes for sale worksheet is a graph showing new single family homes for sale by region.
- Existing homes sold worksheet is a graph showing existing single family homes sold by region.

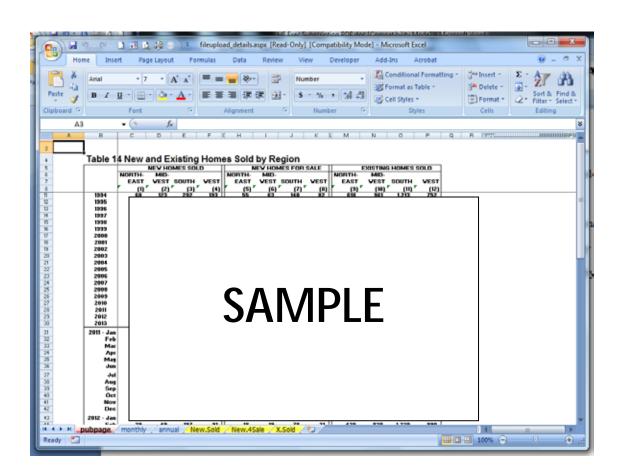
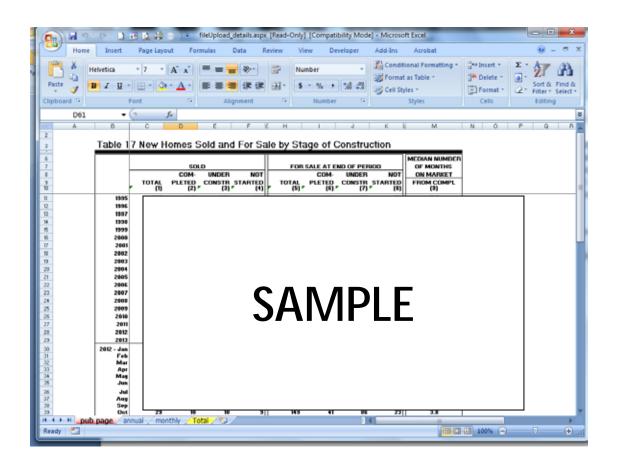


Table 17. New Homes Sold and For Sale by Stage of Construction: Monthly Excel file with 4 worksheets. Data in thousands of units.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2020.
 Data includes
 - o SOLD: total, completed, under construction and not started.
 - o FOR SALE: total completed under construction and not started; and median number of months on market.
- Monthly worksheet shows
 - o homes sold from 1963
 - o total homes for sale from 1963 and completed, under construction, not started home for sale from 1973
 - o median months on market from August 1988.
- Annual worksheet shows
 - o homes sold from 1963
 - o total homes for sale from 1963 and completed, under construction, not started home for sale from 1973
 - o median months on market from 1984.
- Total worksheet is a graph showing homes sold and for sale.



New & Existing Home Prices

Table 15. Home Prices, U.S, New and Existing Single Family: Monthly Excel file with 4 worksheets. Prices in thousands. Year over year percent change.

- Pubpage worksheet includes annual data from 2010 and monthly data from 2016.
 Data includes
 - o new homes prices: median, mean, index and percent changes
 - o existing home prices: median, mean, index, percent changes.
- Monthly worksheet shows
 - o median new home prices from 1963, index quality adj index from 1964, mean prices from 1975.
 - median and mean existing home prices from 1968, quarterly case-shiller (C/S) index from March 1987, Office of Federal Housing Enterprise Oversight (OFHEO) index from March 1991.
- Annual worksheet shows
 - o median, mean new home prices and index from 1964.
 - o median and mean existing home prices from 2004, C/S index from 1987, and Federal Housing Finance Agency (FHFA) index from 1991.
- Prices worksheet is a graph showing new and existing house prices.

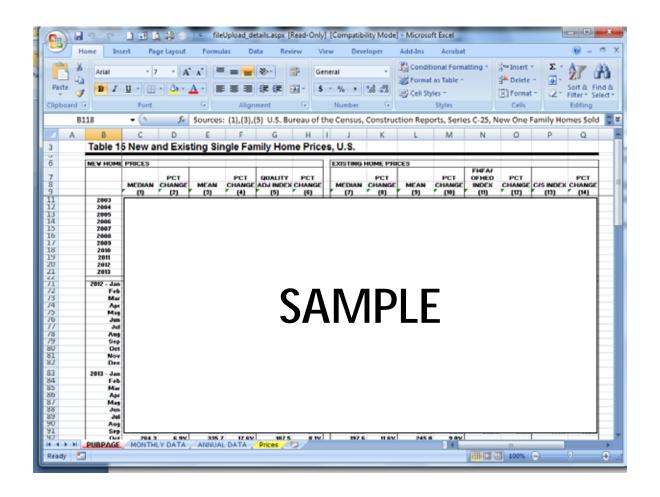
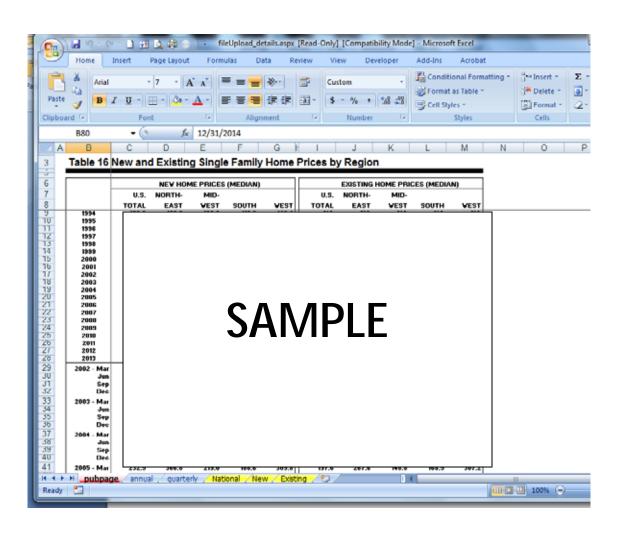


Table 16. Home Prices by U.S. and Region, New and Existing Single Family: Quarterly Excel file with 6 worksheets. Prices in thousands.

- Pubpage worksheet includes
 - o new median home prices: annual data from 2011 and quarterly data from 2009.
 - o existing median home prices: annual data from 2004 and quarterly data from 2009.
- Quarterly worksheet shows median new home prices from 1963, median existing home prices from 1968.
- Annual worksheet shows median new home prices from 1963; median existing home prices from 2004.
- National worksheet is a graph showing total U.S. new and existing median house prices.
- New worksheet is a graph showing total U.S. and regional new median house prices.
- Existing worksheet is a graph showing total U.S. and regional existing median house prices.



Other Housing Statistic Files

Table 10. Units under Construction and Completed (single and multifamily): Monthly Excel file with 5 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2019.
- Monthly worksheet shows completed units from 1968, and units under construction from 1970.
- Annual worksheet includes data from 1969.
- Construction worksheet is a graph showing total, single and multifamily units under construction.
- Completed worksheet is a graph showing total, single and multifamily units completed.

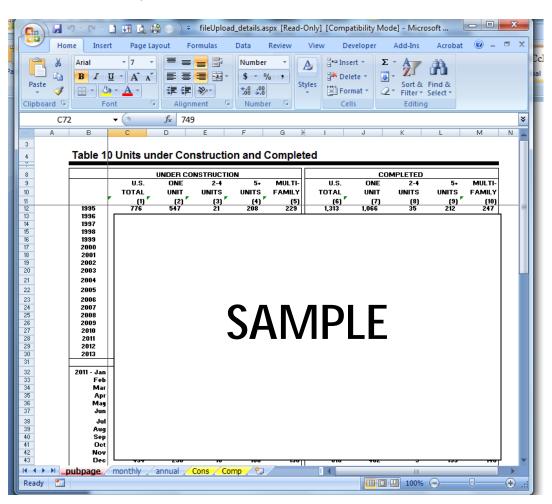


Table 11. Manufactured Homes (total U. S. and regions): Monthly Excel file with 5 worksheets. All data in thousands of units.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2018.
- Monthly worksheet shows shipments from 1959, total U.S., region, inventory, and prices from 1980, quarterly single wide percentage from February 2000.
- Annual worksheet shows shipments from 1960, total U.S. and regions from 1974, inventory, and prices from 1980, single wide percentage from 1985.
- Total worksheet is a graph showing total placements and shipments.

Table 11 Manufactured Homes SHIP-PLACED FOR RESIDENTIAL USE MENTS INVEN-U.S. U.S. NORTH-MID-PRICE SINGLE-**∀**IDE (%) SOUTH **VEST** TORY TOTAL TOTAL EAST VEST (2) r (\$) <u>(7)</u> 🔽 (3) (4) (1) 250 (6) (8) (9) 2001 192 2002 168 2003 131 2004 130 2005 148 2006 118 2007 96 2008 82 2009 50 **SAMPLE** 2010 50 51 2011 2012 55 60 2013 64 2014 71 2015 2016 81 2017 93 2018 97 Seasonally A 2016 - Jan 80 Feb 79 Mar 80 80 Apr May 80 79 Jun Jul 78 Aug 83 Sep 82 82 Dec 100 2017 - Jan 102 Feb 97 Mar 92 91 May 88 Jun 90 81 Jul Aug 89

(±)

pubpage

monthly

annual

Total

Table 12. Value of Private Construction Put in Place (single, multifamily, nonresidential, remodeling): Monthly Excel file with 4 worksheets.

- a. Pubpage worksheet includes annual data from 2005 and monthly data from 2019. Data includes total private, residential, nonresidential, single family, multifamily, improvements.
- b. Monthly worksheet shows data from 1993.
- c. Annual worksheet shows data from 1994.
- d. Construction worksheet is a graph showing total, residential and nonresidential value of construction put in place.

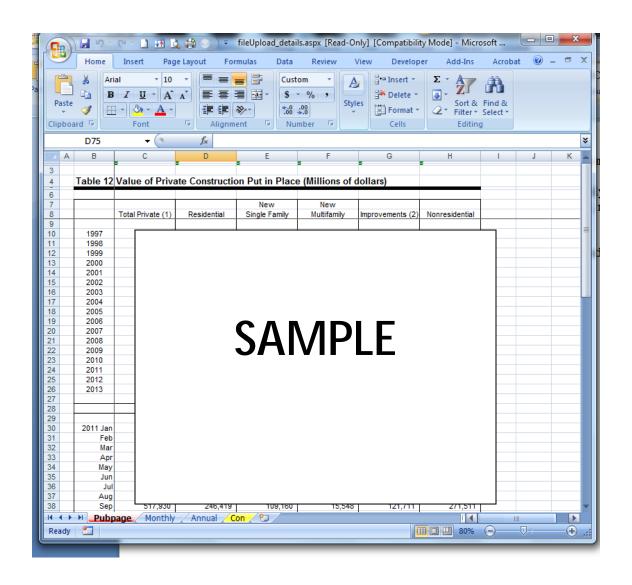


Table 18. New Home Characteristics, Single and Multifamily (single and multifamily): Quarterly Excel file with 4 worksheets.

- Pubpage worksheet includes annual data from 2002 and quarterly data from 2011.
 Data includes
 - o Single Family: median and average square feet, 4+ bedrooms, 2.5+ bathrooms, gas heat, central air, fireplace, 2+ car garage.
 - o Multifamily: 2+ bedrooms, 2+ bathrooms. 4+ floors.
- Quarterly worksheet includes single and multifamily median and average square feet from 1988.
- Annual worksheet includes single and multifamily median and average square feet from 1974.
- Square Ft (2ft) worksheet is a graph showing median square feet.

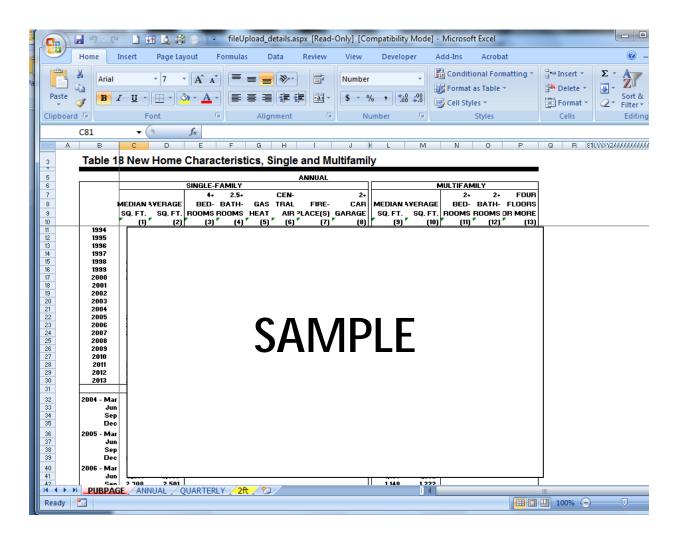


Table 19A. Vacancy Rates for Existing Housing Units, U.S. and Region (home owner and rental): Quarterly Excel file with 7 worksheets.

- Pubpage worksheet includes annual data from 2001 and quarterly data from 2011.
 Data includes total U.S. and regional home owner and rental vacancy rate percentages, as well as median asking prices.
- Quarterly worksheet includes vacancy rates from 1987 and median prices from 1988.
- Annual worksheet includes vacancy rates from 1987 and median prices from 1988.
- U.S. worksheet is a graph showing owner and rental vacancy rates.
- Home owner region worksheet is a graph showing owner vacancy rates by region.
- Rental region worksheet is a graph showing rental vacancy rates by region.
- Price worksheet is a graph showing median asking price of monthly rent and sales prices.

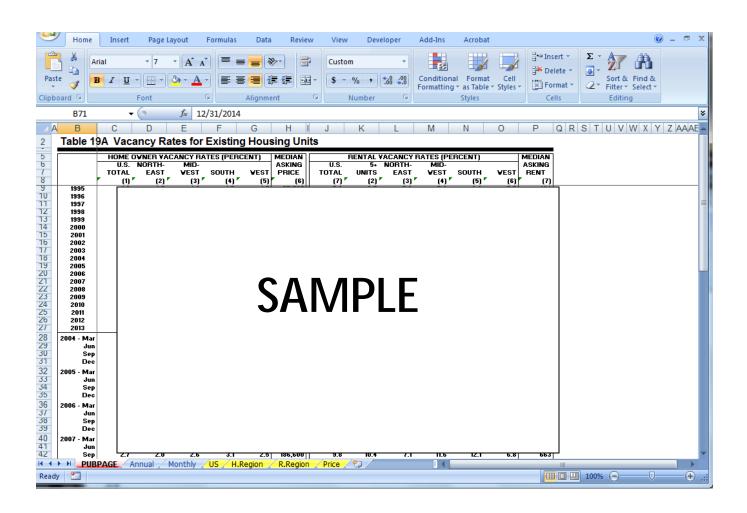


Table 19B. Absorption & Newly Completed Apartments (rentals and condos): Quarterly Excel file with 7 worksheets.

- Pubpage worksheet includes annual rental and condo data from 2000 and quarterly data from 2010.
- Quarterly worksheet includes rental data from 1987; median asking rental price from June 1995; and condo data from 1993.
- Annual worksheet includes rental data* from 1987; median asking rental price from 1996; condo data* from 1993. *There is no annual data for units "still for sale at the end of the quarter".
- Completions worksheet is a graph showing apartment and condo completions.
- Absorption rate worksheet is a graph showing apartment and condo absorption rates.
- Apartment worksheet is a graph showing apartment completions and median asking rent
- Condominium worksheet is a graph showing condo completions and median asking price.

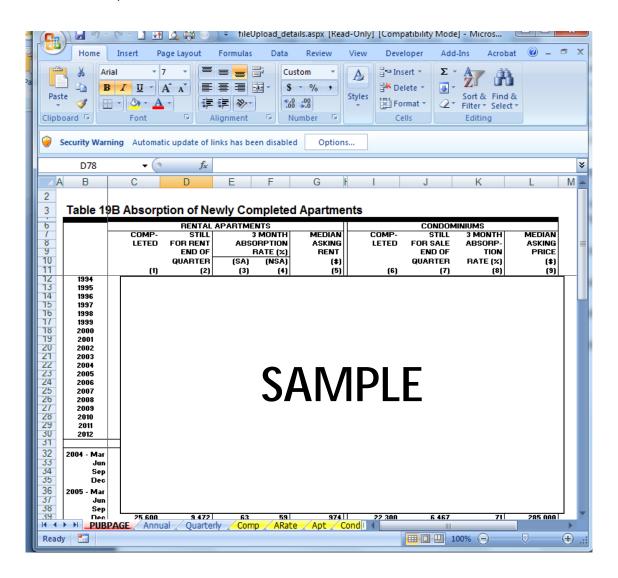


Table 20. Value of New Construction (public and private): Monthly Excel file with 5 worksheets. Data in billions of dollars.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2018. Data includes
 - o PUBLIC: total public, total public and private.
 - o PRIVATE: total residential, new housing, single family, multifamily, additions/alterations, other.
- Monthly worksheet data from 1993.
- Annual worksheet data from 1994.
- All worksheet is a graph showing total, private and public value of new construction.
- Private worksheet is a graph showing private, residential and other value of new private construction.

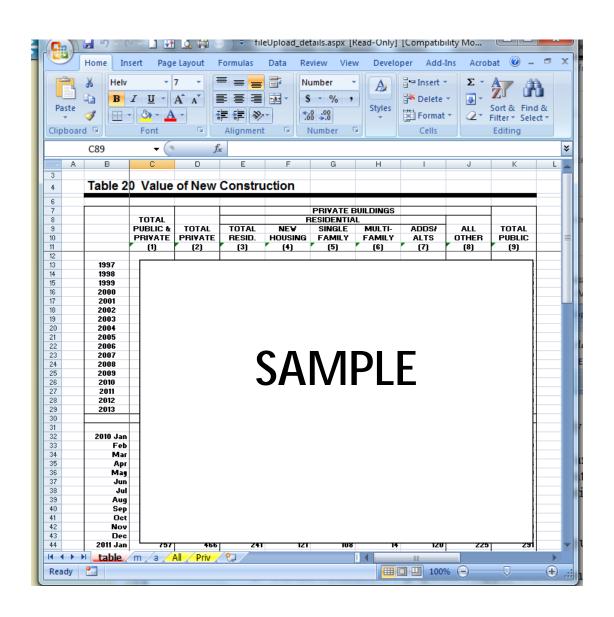


Table 21. Value of Selected New Nonresidential Construction & Vacancy Rates: Monthly Excel file with 6 worksheets.

- Pubpage worksheet includes annual data from 2007 and monthly data from 2019.
 Data includes
 - o Construction value: office, commercial, healthcare, manufacturing, lodging, educational, religious, amusement/recreational;
 - o Vacancy rates: industrial, metro office, downtown office, suburb office.
 - o Vacancy rate data is historical annual through 2008 on the pubpage. Coldwell Banker stopped producing the data in 2009.
- Monthly construction value worksheet data from 1993.
- Annual construction value worksheet data from 1994.
- Quarterly vacancy rates worksheet data from 1993 through September 2009.
- Annual vacancy rates worksheet data from 1993 through 2008.
- Nonresidential worksheet is a graph showing office, commercial, healthcare, manufacturing, lodging, educational, religious, amusement/recreational value of new nonresidential construction.

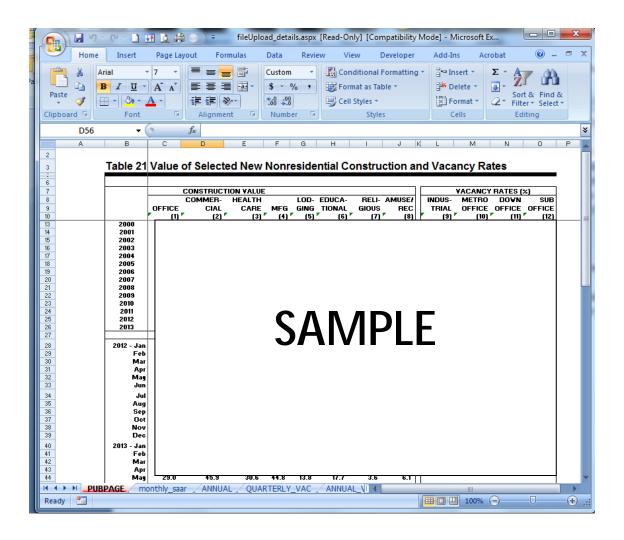


Table 22-Part 1. Producer Price Index for Selected Building Materials: Monthly Excel file with 6 worksheets.

- Pubpage worksheet includes annual data from 2001 and monthly data from 2017.
 Data includes materials & components for construction, steel mill products, copper brass & mill shapes, plumbing fixtures & brass fittings, heating equipment, structural steel products, concrete products, insulation materials, brick & clay tile, oriented strand board.
- Monthly values worksheet data from 1949. Copper brass & mill shapes from December 1953; Brick & clay tile from December 1984; Oriented strand board from July 1991.
- Monthly percent changes (year over year and month over month) worksheet data from 1950. Copper brass & mill shapes from December 1954; Brick & clay tile from December 1985; Oriented strand board from July 1992.
- Annual values worksheet data from 1938. Steel mill products from 1940; Material & components for construction, heating equipment, structural steel products, and insulation materials from 1948; Copper brass & mill shapes from 1955; Brick & clay tile from 1986; Oriented strand board from 1993.
- Annual percent changes (year over year) worksheet data from 1939. Steel mill
 products from 1941; Material & components for construction, heating equipment,
 structural steel products, and insulation materials from 1949; Copper brass & mill
 shapes from 1956; Brick & clay tile from 1987; Oriented strand board from 1994.
- Construction worksheet is a graph showing materials and components for construction, 12 month percent change.

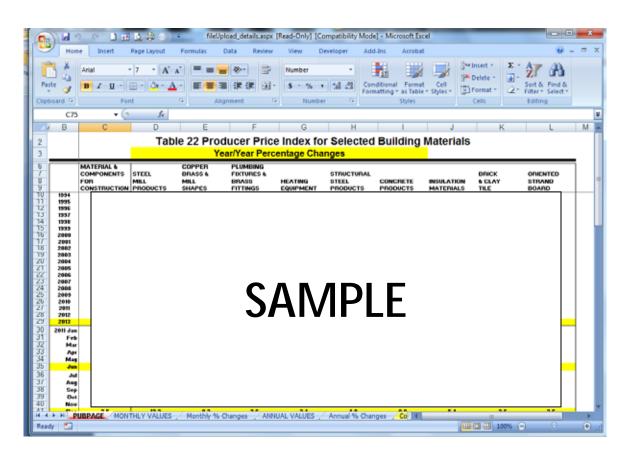


Table 22-Part 2. Producer Price Index for Selected Building Materials – Percent Changes: Monthly Excel file with 7 worksheets.

- Pubpage worksheet includes month-over-month and year-over-year. Data includes residential and nonresidential inputs to construction and maintenance/repair.
- Monthly worksheet data from 1990.
- Monthly percent changes worksheet data from 1990.
- Monthly year over year percent changes worksheet data from 1991.
- Annual worksheet data from 1980. Residential and nonresidential data from 1987.
- Annual percent changes (year over year) worksheet data from 1981. Residential and nonresidential data from 1988.
- Residential worksheet is a graph showing residential producer prices for inputs to construction and maintenance/repair, 12 month percent change.

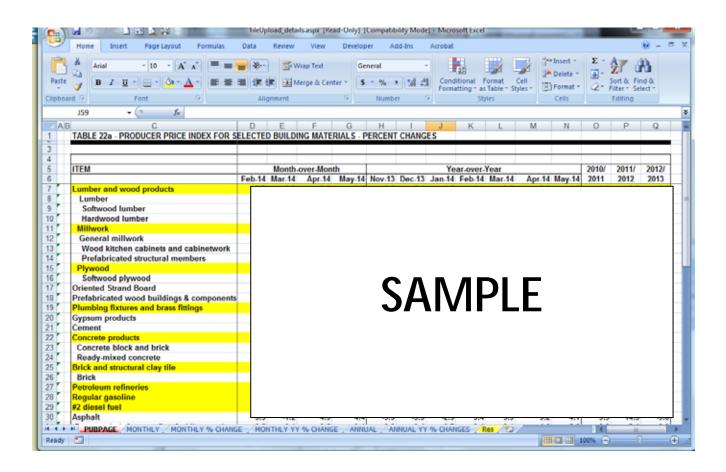


Table 23. Inflation Indicators – Year/Year Percent Changes (consumer price index (CPI), producer price index (PPI), and composite prices (CP)): Monthly Excel file with 10 worksheets.

- Pubpage worksheet includes annual data from 2004 and monthly data from 2017.
 - o CPI data includes less food & energy, shelter, and rent of primary residence.
 - o PPI data includes finished goods, less food & energy, cement, gypsum products, and wood products.
 - o CP data includes framing lumber and structural panel.
- Monthly levels (seasonally adjusted SA and not seasonally adjusted-NSA) worksheet includes
 - o (SA) CPI from 1947, shelter from 1953, less food/energy from 1957, and rent of primary residence from 1981.
 - o (SA) PPI from 1947, cement from 1971, and less food/energy from 1974.
 - o (SA) CP from 1980, structural panels from 1984.
 - o (NSA)CPI from 1947, shelter from December 1952, less food/energy from 1957.
 - o (NSA) PPI from 1947, less food/energy from 1973.
- Monthly percent changes (year over year and month over month) worksheet includes
 - o CPI from 1948, shelter from December 1953, less food/energy from 1958.
 - o PPI from 1948, cement from 1972, and less food/energy from 1974.
 - o CP from 1981, structural panels from 1985.
- Annual levels worksheet includes
 - o CPI from 1928, shelter from 1955, less food/energy from 1959, and rent of primary residence from 1949.
 - o PPI from 1928, finished goods and gypsum products from 1949, cement from 1973, and less food/energy from 1975.
 - o CP from 1980, structural panel from 1984.
- Annual percent changes (year over year) worksheet includes
 - o CPI from 1929, rent of primary residence from 1950, shelter from 1956, less food/energy from 1960.
 - o PPI from 1929, finished goods and gypsum products from 1950, cement from 1974, and less food/energy from 1976.
 - o CP from 1982, structural panels from 1986.
- Headline worksheet is a graph showing consumer and producer inflation, 12 month percent change.
- Consumer worksheet is a graph showing consumer price inflation (total and less food & energy), 12 month percent change.
- Housing worksheet is a graph showing consumer housing inflation (shelter and rents), 12 month percent change.
- Producer worksheet is a graph showing PPI (finished goods and less food & energy),
 12 month percent change.
- Prices worksheet is a graph showing framing lumber and structural panel composite prices.

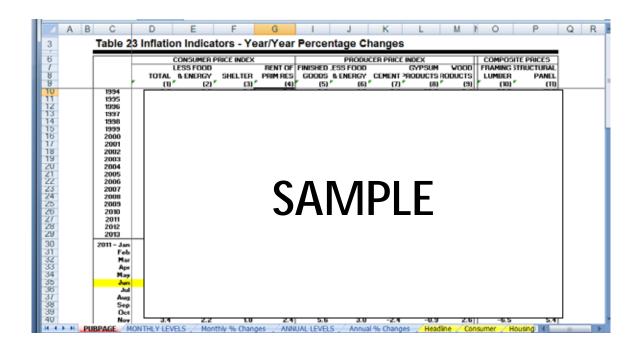


Table 24. Mortgage Rates and ARM Share (freddie mac, federal housing finance agency (FHFA), mortgage bankers association (MBA)): Monthly Excel file with 4 worksheets.

- Pubpage worksheet includes annual data from 2000 and monthly data from 2017. Data includes
 - o Freddie Mac lender survey: 30 year fixed, 15 year fixed, 1 year ARM.
 - o FHFA-loans closed: fixed, adjustable, ARM share, and fixed & ARM loans (dollar amounts).
 - o MBA mortgage: applications.
- Monthly worksheet includes
 - o freddie mac 30 year fixed from April 1971, 15 year fixed from September 1991, and 1 year ARM from 1984.
 - o FHFA fixed and adjustable from July 1982, ARM share from 1985, loan amount fixed & ARM from 1986.
 - o MBA from 1990.
- Annual worksheet includes
 - o freddie mac 30 year fixed from 1972, 15 year fixed from 1992, and 1 year ARM from 1984.
 - o FHFA fixed and adjustable from 1983, ARM share from 1985, loan amount fixed & ARM from 1986.
 - o MBA from 1990.
- Rates worksheet is a graph showing 30 year fixed and 1 year ARM mortgage rates.

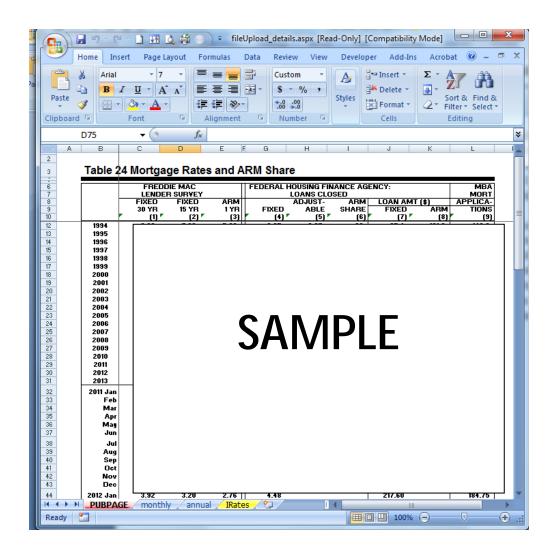


Table 25. Weekly Mortgage Rates (Freddie Mac): Weekly Excel file with 3 worksheets.

- Pubpage worksheet includes 30 year fixed, 15 year fixed, 5/1 year ARM.
- Full history worksheet includes 30 year fixed from April 1971, 15 year fixed from September 1991, 5/1 year ARM from January 2005, adj rate mortgages from 1984, and spread/fixed ARM from 1984.
- Rates worksheet is a graph showing 30 year fixed, 15 year fixed and 5/1 year ARM rates.

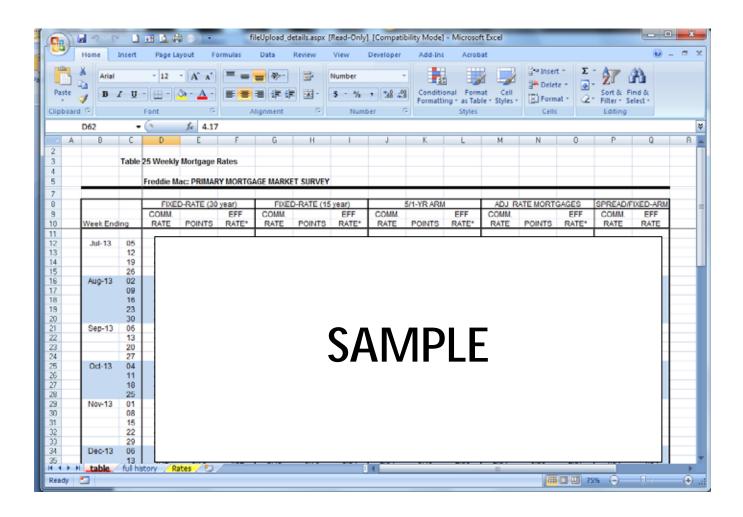


Table 26. Demographics, Personal Income, and Consumer Confidence: Monthly Excel file with 7 worksheets.

- Pubpage worksheet includes annual data from 2000 and monthly data from 2019.
 Data includes
 - o Demographics: households, change in # households, population
 - o Homeownership rate
 - o Personal income: personal income, disposable income, real disposable income per capita, saving rate
 - o Consumer confidence index
- Monthly worksheet includes
 - o Demographics and personal income from 1959.
 - o Consumer confidence index from 1967.
 - o Homeownership rate from 1980.
- Annual worksheet includes
 - o Demographics and personal income from 1960.
 - o Consumer confidence index from 1978.
 - o Homeownership rate from 1961.
- Demographics worksheet is a graph showing households and population.
- Rate worksheet is a graph showing homeownership rate.
- Income worksheet is a graph showing real per capita income.
- Confidence worksheet is a graph showing consumer confidence.

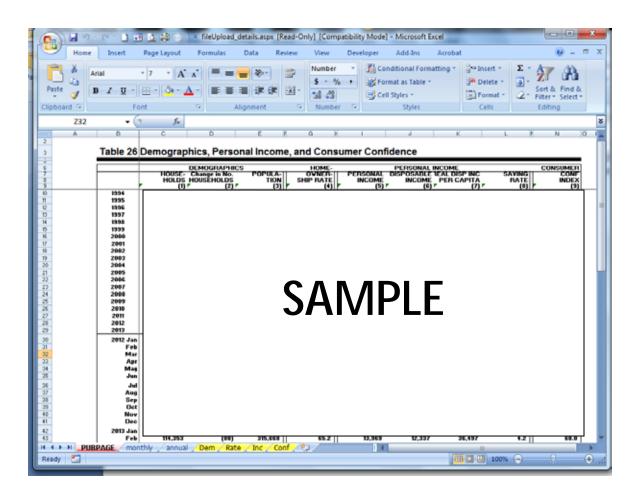


Table 27. Gross Domestic Product (real GDP and percent change (quarter/quarter % changes, annualized)): Quarterly Excel file with 4 worksheets.

- Pubpage worksheet includes annual data from 2008 and quarterly data from 2008.
 Data includes
 - o Real GDP and percent change
 - o Residential fixed investment: total Residential Fixed Investment (RFI), share of GDP, percent change, single family, multifamily, other
 - o Nonresidential fixed investment: structures, equipment
- Quarterly worksheet includes data from March 1995.
- Annual worksheet includes data from 1995.
- GDP worksheet is a graph showing GDP and RFI Growth, quarter over quarter percent change.

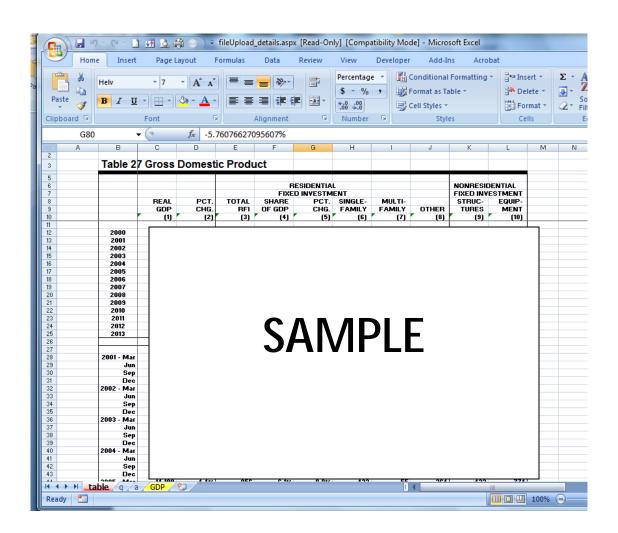


Table 28. Employment Indicators and Industrial Production: Monthly Excel file with 9 worksheets.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2016.
 - o Industrial production: total, manufacturing, construction supplies, consumer goods
 - o Capacity utilization: total, manufacturing
 - o Employment (in millions)-establishment survey: total non-farm, total private, total construction, home builders
 - o Employment (in millions)-household survey: labor force, employed, unemployment rates
- Monthly worksheet includes
 - o Industrial production from 1972.
 - o Capacity utilization from 1972.
 - o Employment-establishment survey from 1972, home builders from 1985.
 - o Employment-household survey from 1972.
- Annual worksheet includes
 - o Industrial production from 1974.
 - o Capacity utilization from 1974.
 - o Employment-establishment survey from 1974, home builders from 1985.
 - o Employment-household survey from 1974.
- Data worksheet includes employment and industrial production indices from 1972.
- IP.CU worksheet is a graph showing industrial production and capacity utilization index.
- IP.CU.M worksheet is a graph showing industrial production and capacity utilization index in the manufacturing sector.
- Emp1 worksheet is a graph showing monthly total payroll, private payroll and unemployment rate.
- Emp2 worksheet is a graph showing monthly labor force, employed and unemployment rate.
- Emp.C worksheet is a graph showing monthly construction payroll employment, construction unemployment rate, home builders payroll employment.

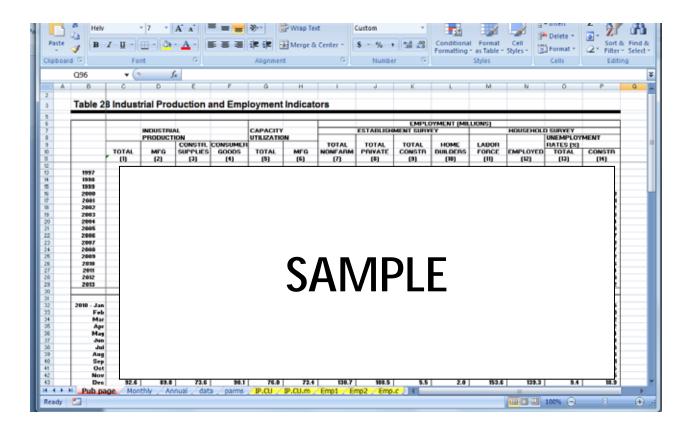


Table 29. Interest Rates & New Home Financing by Lender Source: Monthly Excel file with 6 worksheets.

- Pubpage worksheet includes annual data from 2003 and monthly data from 2016 (type of financing data is quarterly).
 - New homes sold by type of financing: FHA, VA, conventional, rural housing, cash
 - o Interest rates: discount rate, fed funds rate, 30 day paper, 90 day CDs, prime rate, AAA corp
- Monthly worksheet includes interest rates data as follows:
 - o AAA corp from 1931.
 - o Prime rate from 1949.
 - o Discount rate from 1950.
 - o Fed funds rate from July 1954.
 - o 90 day CDs from 1964.
 - o 30 day paper from 1997.
- Quarterly worksheet includes new homes sold by type of financing from 2002.
- Annual worksheet includes
 - o Interest rates:
 - **§** AAA corp from 1930.
 - **§** Prime rate from 1949.
 - Secount rate from 1950.
 - **§** Fed funds rate from 1955.

- § 90 day CDs from 1964.
- **§** 30 day paper from 1997.

o New homes sold by type of financing from 2002.

- Source worksheet is a graph showing new home financing by lender source (FHA, VA, cash, conventional).
- Rates worksheet is a graph showing interest rates on selected securities (prime rate, AAA corp rate, 90 day CD rate, Federal Funds rate).

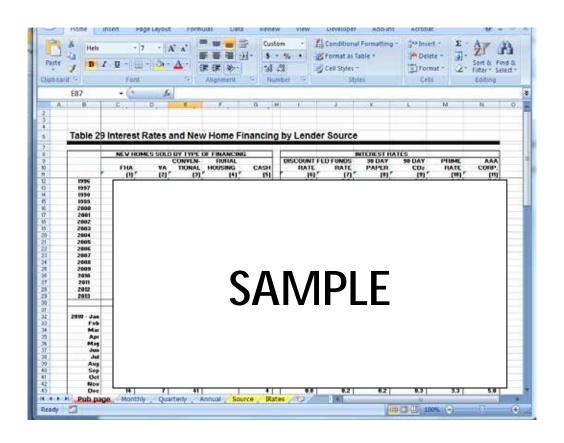
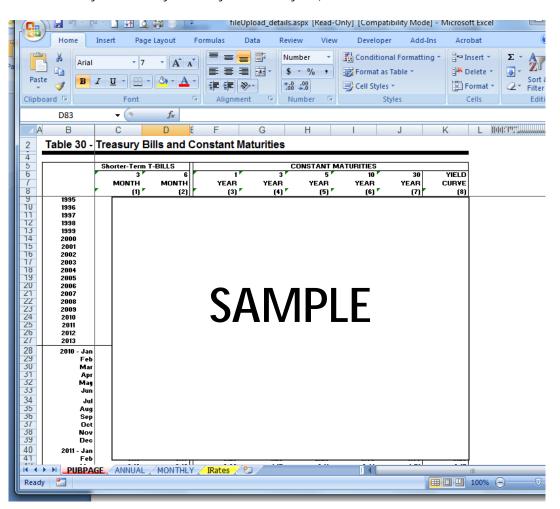


Table 30. Treasury Bills and Constant Maturities: Monthly Excel file with 4 worksheets.

- Pubpage worksheet includes annual data from 2002 and monthly data from 2017.
 - o Short term t-bills: 3 month, 6 month
 - o Constant maturities: 1 year, 3 year, 5 year, 10 year, 30 year, yield curve
- Monthly worksheet includes
 - o T-Bills data as follows:
 - § 3 month from 1953.
 - 6 month from December 1958.
 - o Constant maturities data as follows:
 - § 1, 3, 5, 10 year, and yield curve from April 1953.
 - § 30 year from February 1977.
- Annual worksheet includes
 - o T-Bills data as follows:
 - § 3 month from 1954.
 - § 6 month from December 1959.
 - o Constant maturities data as follows:
 - **§** 1, 3, 5, 10 year, and yield curve from April 1954.
 - § 30 year from February 1978.
- Rates worksheet is a graph showing interest rate on U.S. treasury securities (10 year treasury note, 1 year treasury bill).



FORECASTS

https://www.nahb.org/news-and-economics/housing-economics-plus/why-subscribe-to-housing-economics-plus

Starts Forecast by State

Starts Forecasts by State: This two year forecast includes downloadable Excel table of total, Single-Family, and Multifamily Housing Starts by U.S., Regions and States - Released twice per year – Spring and Fall).

Long Term Forecast

Long-Term Forecast: This ten year annual forecast is in Excel format. Released annually (typically April).

The data includes: Single and multifamily housing starts, New and existing home sales, GDP, PPI, CPI, Case-Shiller price index, Core PCE, interest rates, payroll employment and more.

Remodeling Forecast

Remodeling Forecast: This monthly forecast provides history and a two-year forecast. Excel spreadsheet.

Excel file includes annual and quarterly data as follows:

- Private residential improvements spending and percent change
- Market indicators:
 - o New single family sales
 - o Percent change
 - o Existing single family home sales
 - o Percent change
 - Case-Shiller national HPI

Executive Forecast

Executive Level Forecast: This monthly forecast provides history and a two-year forecast. The Excel spreadsheet includes forecast of economic activity, prices, interest rates, and housing activity.

The Excel file includes 2 worksheets:

- The Exec level forecast worksheet Annual and quarterly data.
- The Annual worksheet