

MOODY'S  
ANALYTICS

# Forecast and Historical Databases

EXTENSIVE ECONOMIC, CONSUMER CREDIT AND FINANCIAL DATA  
AT THE NATIONAL AND SUBNATIONAL LEVEL

# FORECAST AND HISTORICAL DATABASES

Moody's Analytics provides comprehensive and extensive historical and forecast data at the national and subnational/regional levels representing more than 93% of global GDP. Our historical databases contain more than 200 million time series covering 180 countries and their subregions from more than 600 sources, and are updated daily, at the global, macro and subnational/regional levels. We seek the highest frequency, smallest geographic granularity, and greatest industry detail as the basis of our extensive historical catalog.

We provide a key set of primary metrics for each country, using nationally sourced data whenever possible, supplemented by databases from international and regional organizations that provide standardized and cross-comparable views. Cross-country sources include: World Bank, International Monetary Fund, Organization for Economic Co-operation and Development, Bank for International Settlements, European Central Bank, Eurostat, Dow Jones, and World Trade Organization. Key indicators include: banking, cyclical indices, demographics, interest rates, foreign exchange rates, government finance, industry, labor and wages, national accounts, prices, real estate, retail sales and trade. These offerings are the foundation of our estimates and model-based forecasts.

Our forecasts are developed using the most relevant indicators for over 47 countries, and are updated on a monthly basis. Standardized alternative scenarios for more than 13 countries, the U.S., and U.S. states and metropolitan areas are also provided. These alternative scenarios are driven by market demand for stress-testing purposes and continue to grow. Additionally, through relationship with Equifax, Moody's Analytics forecasts extensive data on conditions for consumer loans and forecasts for ongoing performance. Lastly, through partnership with Fiserv, we are the exclusive provider of the industry standard measure for U.S. house prices, the Case-Shiller Home Price Index.

With more than 10 million series added per year, if it exists and is relevant to understanding conditions, we likely have it. Accuracy and timeliness are two of the hallmarks of Moody's Analytics economic databases. Our dedicated Data Services staff regularly runs data accuracy routines to verify the integrity of our databases. With offices in London, Sydney and the U.S., our data specialists update the global databases in real time, ensuring up-to-the-minute data.

## GLOBAL

### Global Macro Forecast Database

- » Coverage: 46 major countries
- » Variables: Includes standard national income accounts (GDP) as well as trade, government, households, business investments, financial markets, demographics, prices, and more.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years + Alternative Scenarios

### Global Metropolitan Areas Forecast Database

- » Coverage: Global Metropolitan Areas
- » Variables: Includes employment, gross product, and wages by industry, unemployment rate, labor force, population, births, deaths, net migration, housing prices, housing starts.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years

## CANADA

### Canada Forecast Database

- » Coverage: Canada
- » Variables: Includes standard national income accounts (GDP) as well as trade, government, households, business investments, financial markets, demographics, prices, and more.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years + Alternative scenarios

### Global Metropolitan Areas Forecast Database

- » Coverage: Abbotsford, Barrie, Brantford, Calgary, Edmonton, Greater Sudbury, Guelph, Halifax, Hamilton, Kelowna, Kingston, Kitchener, London, Moncton, Montréal, Oshawa, Ottawa-Gatineau, Peterborough, Québec, Regina, Saguenay, Saint John, Saskatoon, Sherbrooke, St. Catharines-Niagara, St. John's, Thunder Bay, Toronto, Trois-Rivières, Vancouver, Victoria, Windsor, Winnipeg
- » Variables: Includes employment, gross product, and wages by industry, unemployment rate, labor force, population, births, deaths, net migration, housing prices, housing starts.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years

# FORECAST DATABASES

## U.S.

### U.S. Macro Forecast Database

- » Coverage: U.S.
- » Variables: Includes GDP, employment, prices, interest rates, banking, credit quality, construction, industry and demographics.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years + Alternative Scenarios

### U.S. States Forecast Database

- » Coverage: all U.S. states, Puerto Rico, Guam and the Virgin Islands.
- » Variables: Includes employment, income, demographics, construction activity, home prices, banking, and credit quality.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years + Alternative Scenarios

### U.S. Metropolitan Areas Forecast Database

- » Coverage: All U.S. metro areas and nine metro areas in Puerto Rico.
- » Variables: Includes employment, income, prices, demographics, construction activity, banking, and credit quality.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years + Alternative Scenarios

### U.S. State & Metro Detailed Employment & Output Database

- » Coverage: The U.S., all U.S. states and metro areas.
- » Variables: Historical coverage beginning as early as 1970 of government, military personnel, farm employment and industrial output forecasts. Includes employment, real and nominal output, and nominal wages for 21 two-digit NAICS categories, 84 three-digit NAICS categories, 281 four-digit NAICS categories, 510 five-digit NAICS categories (U.S. only), one-digit manufacturing aggregates and totals
- » Periodicity: Quarterly (except for the four-digit NAICS for states and metropolitan areas for output and wages and five-digit NAICS for U.S., which are annual).
- » Updates: Monthly
- » Forecast: 30 years

### U.S. County Forecast Database

- » Coverage: All U.S. counties.
- » Variables: Includes one-digit employment, total and wage & salary income, population, labor force and unemployment rate, bankruptcies and retail sales, single-family and multifamily housing stock, existing sales, sales price, affordability index, and mortgage originations.
- » Periodicity: Annual
- » Updates: Monthly
- » Forecast: 30 years

### U.S. County Detailed Employment & Output Database

- » Coverage: All U.S. counties.
- » Variables: Historical coverage beginning as early as 1970 of government, military personnel, farm employment and industrial output forecasts. Includes employment, real and nominal output, and nominal wages for 21 two-digit NAICS categories, 84 three-digit NAICS categories, 281 four-digit NAICS categories, 510 five-digit NAICS categories (U.S. only), one-digit manufacturing aggregates and total
- » Periodicity: Annual (counties); Quarterly (except for the four-digit NAICS for states and metropolitan areas for output and wages and five-digit NAICS for U.S., which are annual)
- » Updates: Monthly
- » Forecast: 30 years

### CreditForecast.com

CreditForecast.com provides insight into consumers' balance sheets earlier and at a finer level of detail than is available from other sources. It contains history and forecasts for a wide range of household credit, economic and demographic variables at a detailed level of geography. Users are able to examine, segment and stratify credit risk and economic data across states, metropolitan areas, and nonmetro areas of states.

- » Coverage: U.S. national, regional, states, top 200 metropolitan areas and non metro areas of states.
- » Variables: Total Trades, Total Balances, High Credit/Loan Amount, Utilization/Balance Outstanding, Delinquency rates (% of number), Total, 30-day, 60-day, 90-day, 120+ day/Collections, Severe Derogatory
- » Periodicity: Quarterly
- » Updates: Data updated monthly, forecast updated quarterly
- » Forecast: 5 years + Alternative scenarios

# FORECAST DATABASES

## Consumer Forecast Database

Covers approximately 700 U.S. Forecast & Consumer Forecast variables, over 200 variables specific to the consumer economy.

- » Variables: Includes macroeconomic, demographic and financial concepts necessary to track consumer activity; personal consumption expenditures, retail sales, income data, GDP, employment, prices, interest rates, banking, credit quality, construction, industry, and demographics.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years + Alternative Scenarios

## Case-Shiller® Home Price Index Forecasts

Moody's Analytics's fully specified equilibrium model, based on Case-Shiller Home Price Indexes (CSI), forecasts single-family home prices and identifies long-term influences on prices such as income trends and demographics, and cyclical factors such as joblessness and changes in mortgage rates.

- » Coverage: U.S., 4 Regions, 9 Divisions, 50 States, 29 Metropolitan Divisions, 366 Metropolitan Areas
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years + Alternative Scenarios

## RealtyTrac Foreclosures

Moody's Analytics and RealtyTrac have partnered to create the most trustworthy and authoritative foreclosure data available for forecasting of house prices/performance of consumer loans regionally.

- » RealtyTrac forecasts are available for inventories and starts for three stages of foreclosure – In Process, REO (real-estate owned) and Total Properties – at the national, regional, state and metro levels.
- » Coverage: The U.S., All census regions and divisions, All states, metropolitan areas & divisions, over 400 U.S. counties, over 4,000 U.S. zip codes
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 30 years

## Housing Stock

- » Coverage: U.S. states, metropolitan areas and counties.
- » Variables: Single-family, multifamily and mobile home stock, separated into owner occupied, renter occupied and vacant stock.
- » Periodicity: Quarterly
- » Updates: Monthly.
- » Forecast: 30 years

## EMEA

### Global Macro Forecast Database

- » Coverage: Austria, Belgium, Czech Rep., Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Russia, South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom.
- » Variables: Includes standard national income accounts (GDP) as well as trade, government, households, business investments, financial markets, demographics, prices, and more.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years + Alternative Scenarios

### Global Metropolitan Areas Forecast Database

- » Coverage:
  - Austria: Graz, Linz, Wien (Vienna)
  - Belgium: Antwerp, Brussels, Liege
  - Bulgaria: Sofia
  - Czech Republic: Brno, Ostrava, Pilsen, Prague,
  - Denmark: East Jutland (Aarhus), Copenhagen,
  - Estonia: Tallinn
  - Finland: Helsinki, Oulu, Tampere, Turku
  - France: Bordeaux, Lille, Lyon, Marseille, Montpellier, Nantes, Nice, Paris, Rennes, Rouen & Le Havre, Strasbourg, Toulouse
  - Germany: Augsburg, Berlin, Bielefeld, Bonn, Bremen, Chemnitz, Cologne, Dresden, Düsseldorf, Erfurt, Frankfurt, Freiburg, Halle, Hamburg, Karlsruhe, Kiel, Leipzig, Munich, Nuremberg, Ruhrgebiet, Saarbrücken, Stuttgart
  - Greece: Athens, Thessaloniki
  - Hungary: Budapest, Győr, Szekesfehervar
  - Ireland: Cork, Dublin, Galway, Limerick, Waterford
  - Italy: Bologna, Catania, Florence, Genoa, Milan, Naples, Palermo, Rome, Turin, Venice, Verona
  - Latvia: Riga
  - Lithuania: Vilnius
  - The Netherlands: Amsterdam, Rotterdam, The Hague, Utrecht
  - Norway: Bergen, Drammen, Fredrikstad/Sarpsborg, Grenland, Haugesund, Kristiansand, Mjøsa, Oslo, Stavanger, Trondheim
  - Poland: Krakow, Poznan, Warsaw, Wroclaw
  - Portugal: Lisbon
  - Romania: Brasov, Bucharest
  - Russia: Moscow, St. Petersburg
  - Slovak Republic: Bratislava, Kosice

# FORECAST DATABASES

- Slovenia: Ljubljana
  - South Africa: Cape Town, Johannesburg
  - Spain: Barcelona, Bilbao, Las Palmas de Gran Canarias, Madrid, Malaga, Oviedo-Gijon-Aviles, Sevilla, Valencia, Zaragoza
  - Sweden: Greater Gothenburg, Greater Malmö, Greater Stockholm
  - Switzerland: Basel, Geneva-Lausanne, Zurich
  - Turkey: Istanbul
  - Ukraine: Dnipropetrovsk, Donetsk, Kharkiv, Kiev, Odessa
  - United Kingdom: Birmingham, Bristol, Cardiff, Edinburgh, Glasgow, Leeds, London, Manchester, Newcastle
- » Variables: Includes employment, gross product, and wages by industry, unemployment rate, labor force, population, births, deaths, net migration, housing prices, housing starts.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years

## ASIA/PACIFIC

### Global Macro Forecast Database

- » Coverage: Australia, China, Hong Kong, India, Indonesia, Japan, New Zealand, South Korea, Malaysia, Philippines, Singapore, Thailand, Taiwan
- » Variables: Includes standard national income accounts (GDP) as well as trade, government, households, business investments, financial markets, demographics, prices, and more.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years
- » Alternative Scenarios

### Global Metropolitan Areas Forecast Database

- » Coverage:
- Australia: Adelaide, Brisbane, Canberra, Darwin, Hobart, Melbourne, Perth, Sydney
  - China: Beijing, Chongqing, Shanghai, Tianjin
  - Hong Kong
  - Japan: Chukyo, Fukuoka-Kitakyushu, Hiroshima, Kyoto-Osaka-Kobe, Sapporo, Sendai, Tokyo
  - Singapore

- South Korea: Seoul, Busan, Daegu
  - Taiwan: Chiayi, Hsinchu, Tainan, Taipei-Keelung
- » Variables: Includes employment, gross product, and wages by industry, unemployment rate, labor force, population, births, deaths, net migration, housing prices, housing starts.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years

## LATIN & CENTRAL AMERICA

### Global Macro Forecast Database

- » Coverage: Argentina, Brazil, Chile, Columbia, Mexico, Peru, Venezuela
- » Variables: Includes standard national income accounts (GDP) as well as trade, government, households, business investments, financial markets, demographics, prices, and more.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years + Alternative Scenarios

### Global Metropolitan Areas Forecast Database

- » Coverage:
- Brazil: Rio de Janeiro, Sao Paulo
  - Chile: Santiago
  - Mexico: Guadalajara, Leon, Monterrey, Mexico City, Puebla, San Luis Potosi, Tijuana, Toluca
- » Variables: Includes employment, gross product, and wages by industry, unemployment rate, labor force, population, births, deaths, net migration, housing prices, housing starts.
- » Periodicity: Quarterly
- » Updates: Monthly
- » Forecast: 10 years

# HISTORICAL DATABASES

## GLOBAL

### Global Database

Our flagship database offering includes access to all our historical databases.

- » Coverage: (National & Regional) Includes access to all of our historical databases. 380+ countries and extensive regional data
- » Variables: Major indicators for over 380 countries (from cross-country sources), key data for over 50 countries (from national sources), and specialized supplemental data for selected countries, subnational areas and supranational groupings.
- » Sources: Individual country and cross-country data sources.

### Global Macro Database

- » Coverage: (National) 380+ countries
- » Variables: Contains national historical data publically available for 384 countries.
- » Sources: Individual country and cross-country data sources.

### International Monetary Fund (IMF) Direction of Trade

The Direction of Trade Statistics database contains data on the value of merchandise exports and imports between each country and all its trading partners. Total bilateral and multilateral exports and imports are aggregated at national or regional group level. For each reporting country or group, all the trading partners are listed. The corresponding monetary values of total imports and total exports are then provided as time series for each country / trading partner pair. All exports are valued free on board (f.o.b.). Imports are usually reported cost including insurance and freight (c.i.f.), although a small number of countries report imports f.o.b.

Along with data from reporting countries, estimates are provided by partner countries for non-reporting countries or for those that are slow to report. All the data in the Direction of Trade are expressed in U.S. dollars.

### IMF Government Finance Statistics

The Government Finance Statistics (GFS) contain statistical data on government financial operations for IMF member countries.

Detailed annual data are presented on revenue, expenditure, and financing transactions. All data conform to basic standards and are comparable from country to country.

The GFS is a specialized macroeconomic statistical system designed to support fiscal analysis. It provides a comprehensive conceptual and accounting framework suitable for analyzing and evaluating fiscal policy, especially the performance of the general government sector and the broader public sector of any country.

### IMF International Financial Statistics

This database is dedicated to the IMF International Finance statistics and contains over 9,000 data series. Data are available for over 178 countries and 13 regional aggregates and start from as early as 1970. The data can be estimated or forecasted by the IMF. The IMF collects data from the primary sources and creditors. International Financial Statistics is a standard source of international statistics on all aspects of international and domestic finance. The IMF reports, for most countries of the world, current data needed in the analysis of problems of international payments and of inflation and deflation, i.e., data on exchange rates, international liquidity, international banking, money and banking, interest rates, prices, production, international transactions, government accounts, and national accounts.

### World Bank Development Indicators

The World Bank Development Indicators are the premium annual statistics of the World Bank, which compiles data on development. The WDI contain over 900 indicators per country and cover these main topics: balance of payments, business demographics, external debt defense, interest rates, education energy, health, income, land and urbanisation, pollution, purchasing power parity, technology, tourism, government finance, labour and employment, industry indicator, national accounts, tax, trade polices, and trade.

## CANADA

### Global Database

- » Coverage: Canada
- » Variables: Major indicators for over 380 countries (from cross-country sources), key data for over 50 countries (from national sources), and specialized supplemental data for selected countries, subnational areas and supranational groupings.
- » Sources: Individual country and cross-country data sources.

### Global Macro Database

- » Coverage: Canada
- » Variables: Contains national historical data publically available for 384 countries.
- » Sources: Individual country and cross-country data sources.

### Canada National Database

Provides access to Canada's macroeconomic variables, including national accounts, labor markets, prices, government accounts, population, stock market, bond indexes.

- » Coverage: Canada.
- » Sources: Statistics Canada, IMF, U.N., OECD and Dow Jones.

# HISTORICAL DATABASES

## U.S.

### U.S. National & Regional Database

Provides access to one of the largest repositories of economic, demographic and financial data from over 100 government and private sources. Data set coverage includes U.S. and regional data on national accounts, banking and finance, demographics, personal income, prices, leading indicators, industrial production, retail sales, labor market, energy, financial markets, and more.

- » Coverage: U.S. , states, metro areas, counties, cities and zip codes.
- » Sources: Bureau of Labor Statistics, Bureau of Census, Federal Reserve Board, The Conference Board, National Association of Realtors, Dow Jones, and various other government and private sources.

### U.S. National Database

Provides access to all our U.S. macroeconomic variables. Data set coverage includes U.S. data on national accounts, banking and finance, demographics, personal income, prices, leading indicators, industrial production, retail sales, labor markets, energy, financial markets, etc.

- » Coverage: U.S.
- » Sources: Bureau of Labor Statistics, Bureau of Census, Federal Reserve Board, The Conference Board, National Association of Realtors, Dow Jones, and various other government and private sources.

### CreditForecast.com

CreditForecast.com provides insight into consumers' balance sheets earlier and at a finer level of detail than is available from other sources. It contains history and forecasts for a wide range of household credit, economic and demographic variables at a detailed level of geography. Users are able to examine, segment and stratify credit risk and economic data across states, metropolitan areas, and nonmetro areas of states. CreditForecast.com is a joint product of Equifax and Moody's Analytics, leaders in the collection, research, analysis and forecasting of household credit trends.

Credit trend data for bankcards; consumer finance, unsecured personal, auto finance and auto bank loans; and first mortgages and home equity loans; and student loans including subcategories by prime and sub-prime score splits.

- » Blended credit and economic series (including Loan to Value and Debt Service Burden).
- » Historic and forecast risk (ERS 3.0, Smart Score 2.0, Telco Risk Score, Adv. Energy Risk Score, Adv. Wireless Risk Score) and bankruptcy (BNI 3.0) scores.

Historical data and projections are available at the national, regional, state and metropolitan area levels for the following variables:

Total Trades	Total, 30-day, 60-day, 90-day, 120+ day/Collections, Severe Derogatory
Total Balances	
High Credit/Loan Amount	Delinquency Rates (% of dollar)
Utilization/Balance Outstanding	Total, 30-day, 60-day, 90-day, 120+ day/Collections, Severe Derogatory
Delinquency Rates (% of number)	

- » Periodicity: Quarterly
- » Updates: Quarterly

### American Bankers Association's Delinquency

The American Bankers Association's Delinquency Database Service (D-LINQ) contains all of the information found in the Consumer Credit Delinquency Bulletin. This information is based on a quarterly survey of 450 banks nationwide, offering a representative view of the banking industry dating as far back as 1972. Specifically, the survey provides data for past due loans as a percentage of loans with outstandings and as a percentage of dollars outstanding for all states and the nation for the following types of loans:

Automobile (direct and indirect)	Marine
Bankcard Credit	Mobile Home
Education	Noncard Revolving Credit
Home Equity Lines of Credit	Personal
Home Equity/Second Mortgages	Property Improvement
	Recreational Vehicle

### Case-Shiller® Home Price Indexes

The CSI Historical database provides subscribers with the Case-Shiller Repeat Sales Home Price Indexes for all zip codes, counties, metropolitan areas, metropolitan divisions, states, and census divisions currently covered by the source. Super High Tier Repeat Sales Home Price Indexes are also available for selected areas. The national index, a population-weighted average of the census divisions, is also included. For many regions, indexes for both single-family homes and condominiums are available. Where market conditions allow, the single-family home indexes are calculated by CSI in three price tiers (low-priced, medium-priced, and high-priced houses). The price range for each tier is calculated individually for each region and time period to divide the market into three approximately equal segments. An index for the overall market is also supplied for areas with three price tier indexes. Condominium indexes are currently available only at the aggregate level.

# HISTORICAL DATABASES

## CoreLogic® Home Price Indexes

The CoreLogic Home Price Index (HPI) delivers a comprehensive early view of current home price trends. From January 1st 1976, it includes more than 102 million sales transactions spanning 2,197 counties in the United States. With over 97,450 monthly time series, it incorporates more than thirty years of repeat sales transactions to create monthly home prices indices covering home price trends at the national, state, county, CBSA (metro areas), and zip code levels. Includes an index for the overall, plus a separate one for distressed sales. Updated monthly.

- » Coverage: The U.S.(featuring whole-market national index), states, core based statistical areas(CBSAs) and more than 6,000 zip code areas.
- » Updates: Monthly

## LPS Home Price Indexes

Lender Processing Services HPI shows historical price trends for residential properties in the United States, offering cost-effective estimates of property values that underlie residential mortgage portfolios and securities. LPS HPI offers broad coverage with high geographic resolution. REO discounts down to the ZIP code level are also provided and used to correct for distortions that otherwise occur when REO sales are included in HPI calculations. Inputs to the index come from two LPS data repositories – SiteX Real Estate and McDash Loan Data. Updated monthly.

- » Coverage: More than 75% of existing loans; 98% of these loans to the ZIP code level. More than 13,000 ZIP codes nationwide, including many in non-disclosure states. Each zip code is broken down into five price tiers (10th, 30th, 50th, 70th and 90th percentiles) to show price range and patterns of change for entry-level homes, high-end homes and homes in the middle market.
- » Updates: Monthly

## RealtyTrac Foreclosures

Moody's Analytics and RealtyTrac have partnered to create the most trustworthy and authoritative U.S. foreclosure data available. RealtyTrac Foreclosures allows for forecasting of house prices and performance of consumer loans regionally using both flow measures (starts) and inventory counts at the aggregate level for every stage of foreclosure—pre-foreclosure, auction and bank-owned.

RealtyTrac Foreclosures consists of available inventories (in foreclosure on the last day of the month) as well as starts (properties added in the month) for:

- » Stages: Pre-foreclosure (Notice of Default, Loss Pending), Auction (Notices of Trustee Sale, Notice of Foreclosure), Bank-owned (REO) and Total Number of Filings
- » Coverage: U.S., 4 regions, 9 divisions, 50 states, 29 metropolitan divisions, 366 metropolitan areas, 40,000 ZIP Codes

- » Periodicity: Quarterly
- » Updates: Monthly

## National Association of Realtors: Monthly Supply of Homes

This database is dedicated to the National Association of Realtors' (NAR) supply of homes series. The series—obtained directly from the NAR—cover more than 100 OMB-defined metropolitan statistical areas (MSA) and metropolitan divisions.

Beginning in the first quarter of 1990, NAR Months' Supply series (listing/sales) is derived from a sample of Multiple Listing Services (MLS) representing different metropolitan areas. All the data in NAR Monthly Supply of Homes are expressed in months on the market. The months' supply of home sales statistic can be used to gauge the state of a local market. It is commonly held that a six months' supply of home sales shows a market to be in equilibrium. Deviation from that figure can tell you about the current status of the market and may help to anticipate future behavior

## National Association of Realtors: Pending Home Sales Index

This database is dedicated to the National Association of Realtors' (NAR) pending home sales with 79 series—obtained directly from the NAR—covering various OMB-defined metropolitan statistical areas (MSA) and micropolitan areas. The series begin in the first quarter of 2001, and all of the series are indexed to that year.

Since pending home sales measure actual existing-home sales, the PHSI provides an accurate and reliable indicator of future home sales activity, and therefore can be thought of as a leading indicator for existing-home sales.

According to the NAR, the majority—more than 80%—of pending home sales become home sales transactions within two months, and a majority of the rest close during the following two months. Some pending home sales do not go to closing; thus, a certain percentage of properties that go under contract do not reach settlement.

## Housing Stock Database

Moody's Analytics Historical Housing Stock Database contains historical data on U.S. housing stock for all geographic regions in the country down to the county level (nation, census region and division, state, MSA, metropolitan division, county). For each locale, housing stock is available at the single family, multi-family and mobile home level, each of which is further broken down by occupied (owner and renter) and vacant home stock. The data are available on a quarterly frequency and are seasonally adjusted.

# HISTORICAL DATABASES

## EMEA

### Global Database

- » Coverage: Europe
- » Variables: Major indicators for over 380 countries (from cross-country sources), key data for over 50 countries (from national sources), and specialized supplemental data for selected countries, subnational areas and supranational groupings.
- » Sources: Individual country and cross-country data sources.

### Global Macro Database

- » Coverage: European Countries
- » Variables: Contains national historical data publicly available for 384 countries.
- » Sources: Individual country and cross-country data sources.

### Europe Database

Provides access to data for the EU27 (aggregates and individual countries), Eastern Europe, Iceland, Norway, Russia, Sweden, Switzerland and Turkey. Available indicators cover a wide spectrum of the economy including national accounts, prices, foreign trade and unemployment statistics. More industry-specific data such as electricity consumption, patent applications and transportation statistics are also available.

- » Coverage: EU27 (aggregates and individual countries), Eastern Europe, Iceland, Norway, Russia, Sweden, Switzerland and Turkey.
- » Sources: Central banks and national statistical offices, European Central Bank, European Commission, and Eurostat. Third party sources include Dow Jones Global Indices, Bank for International Settlements, European Automobile Manufacturers Association (ACEA), the IMF, OECD, U.N., World Bank, World Trade Organization.

### Euro Zone Database

Provides detailed coverage of the euro zone and its 16 member countries. Available indicators cover a wide spectrum of the economy including national accounts, prices, foreign trade and unemployment statistics. More industry-specific data such as electricity consumption, patent applications and transportation statistics are also available.

- » Coverage: Euro zone and its 16 member countries. Regional and national data are available.
- » Sources: Central banks and national statistical offices, including the European Central Bank, European Commission. Third party sources include Dow Jones Global Indices, European Automobile Manufacturers Association (ACEA), the IMF, OECD, U.N., World Bank and World Trade Organization.

### United Kingdom Database

Provides access to the U.K.'s macroeconomic variables including national accounts, prices, labor and wages, foreign trade, home prices, consumer credit, interest rates, public debt, and industrial production.

- » Coverage: U.K. (national).
- » Sources: Bank of England, Council of Mortgage Lenders, Halifax, HM Land Registry, HM Revenue & Customs, Office for National Statistics, Nationwide Building Society, Northern Ireland Research and Statistics Agency (NISRA), Department for Communities and Local Government (DCLG), Rightmove, and StatWales. Third party sources include Dow Jones Global Indices, European Automobile Manufacturers Association (ACEA), the IMF, OECD, U.N., World Bank, World Trade Organization.

## ASIA/PACIFIC

### Global Database

- » Coverage: Asia/Pacific
- » Variables: Major indicators for over 380 countries (from cross-country sources), key data for over 50 countries (from national sources), and specialized supplemental data for selected countries, subnational areas and supranational groupings.
- » Sources: Individual country and cross-country data sources.

### Global Macro Database

- » Coverage: Asia/Pacific Countries
- » Variables: Contains national historical data publicly available for 384 countries.
- » Sources: Individual country and cross-country data sources.

### Asia Database

Provides access to economic and financial data for major Asian economies. Data such as national accounts, production, inflation, foreign trade, consumer and business surveys, and monetary and banking indicators are available.

- » Coverage: Australia, China, Hong Kong, India, Indonesia, Japan, Malaysia, New Zealand, Philippines, Singapore, South Korea, Thailand and Taiwan.
- » Sources: Central banks, national statistical offices. Third party sources include Dow Jones Global Indices, IMF, U.N., OECD, World Bank, and World Trade Organization.

### Japan Database

Provides access to a wide variety of Japan's economic, financial and demographic indicators from various public and private sources. Data sets include national accounts, consumer and business surveys, TANKAN Judgment Survey, prices, wholesale and retail sales, monetary aggregates, labor markets, foreign trade, and industrial production.

- » Coverage: Japan macro and metro areas.
- » Sources: Bank of Japan, Economic Social and Research Institute (ESRI), Ministry of Finance, Japan Statistics Bureau, and Ministry of Trade, Economy, and Industry. Third Party sources include Dow Jones Global Indices, IMF, U.N., OECD, World Bank and World Trade Organization.

# HISTORICAL DATABASES

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## LATIN & CENTRAL AMERICA

### Global Database

- » Coverage: Latin & Central America
- » Variables: Major indicators for over 380 countries (from cross-country sources), key data for over 50 countries (from national sources), and specialized supplemental data for selected countries, subnational areas and supranational groupings.
- » Sources: Individual country and cross-country data sources.

### Global Macro Database

- » Coverage: Latin & Central American Countries
- » Variables: Contains national historical data publically available for 384 countries.
- » Sources: Individual country and cross-country data sources.

### South America Database

Provides access to economic and financial data for major South American economies. Data sets include national accounts, consumer prices, labor markets and industrial production.

- » Coverage: Argentina, Brazil, Chile, Colombia, Peru and Venezuela.
- » Sources: Central banks, national statistical offices such as INDEC, Chile National Institute of Statistics, and INE. Third party sources include Dow Jones Global Indices, IMF, U.N., OECD, World Bank, and World Trade Organization.

### Mexico National Database

Provides access to Mexico's macroeconomic variables including prices, interest rates, labor markets, industrial production, demographics, and trade.

- » Coverage: Mexico
- » Sources: Bank of Mexico, INEGI, IMF, U.N., OECD and Dow Jones.

# HISTORICAL DATABASES

## CROSS-COUNTRY DATA SETS

We use nationally sourced data whenever possible, supplemented by databases from international and regional organizations that provide standardized and cross-comparable views. Sources include: Bank for International Settlements, European Central Bank, Eurostat, Dow Jones, International Monetary Fund, Organization for Economic Co-operation and Development, World Trade Organization.

### International Monetary Fund

- » Balance of Payments
- » Currency Composition of Official Foreign Exchange Reserves
- » Direction of Trade
- » Government Finance Statistics
- » International Financial Statistics: The standard statistical source on all aspects of domestic and international finance since 1948. For most countries, includes exchange rates, SDR position, monetary authorities, banking, nonbank finance, money supply, interest rates, prices, trade, and balance of payments.
  - Highest frequency: Monthly
  - Start: As early as 1970
  - Areas: Groupings and nations
- » Primary Commodity Prices
- » SDR Exchange Rates
- » World Economic Outlook: History and short-term projections of balance of payments, commodity prices, external debt, government finance, inflation, interest rates, national accounts, employment and trade. Indicators vary by area. WEO is updated twice a year.
  - Frequency: Annual
  - Start: 1980
  - Areas: World, groupings and selected nations

### Organization for Economic Co-operation and Development

- » Annual National Accounts (ANA)
- » Business and Consumer Confidence (BCI, CCI): Standardized, internationally comparable confidence indicators for 36 countries and four groupings: OECD, Europe, euro zone and G-7.
  - Frequency: Monthly
  - Start: 1985
  - Areas: Groupings and nations
- » Composite Leading Indicators (CLI): Provides early signals of turning points in economic activity. Compiled for 29 OECD countries, six nonmember countries, and seven groupings.
  - Frequency: Monthly
  - Start: As early as 1960
  - Areas: Groupings and nations
- » International Trade by Commodity Statistics (ITCS)

### World Bank

- » Africa Development Indicators
- » Education Statistics
- » Enterprise Surveys
- » Gender Statistics
- » Global Economic Monitor
- » Health Nutrition and Population Statistics
- » Quarterly Public Sector Debt
- » Joint External Debt Hub: Bilateral and multilateral loans, debt securities, credit exposure, and foreign assets; not all indicators are available for all 200 areas.
  - Frequency: Quarterly
  - Starts: As early as 1990
  - Areas: Nations
- » Millennium Development Indicators: Progress on achieving the eight Millennium Development Goals in over 200 countries.
  - Frequency: Annual
  - Starts: As early as 1990
  - Areas: Nations
- » Quarterly External Debt Statistics: Debt position and payment schedule for 106 member countries that subscribe to the IMF SDDS or GDDS standards.
  - Frequency: Quarterly
  - Starts: As early as 1998
  - Areas: Nations
- » World Development Indicators: A full range of over 900 indicators for over 150 countries; including defense, education, energy, pollution, technology, taxes and trade policies.
  - Frequency: Annual
  - Starts: As early as 1960
  - Areas: Groupings and nations

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