CBRE forecasting and analytics are driven by economists and leveraged by market makers. We synthesize macro factors and leading indicators into actionable national, sector and market research.

**Coverage and Property Types**
- United States major markets and submarkets for office, industrial, retail, apartment and hotel
- Canada major markets and submarkets for office and industrial
- Europe major markets for office

**Time Series Data Concepts/Scenarios**
- supply, demand, rents, vacancy
- gross income, NOI, cap rate
- population, employment, income
- time series historical updated quarterly
- annual or quarterly frequencies
- baseline, Moody's, upside, downside, severe downside forecast out 10 years updated quarterly

**Summary Statistics**
- under construction total count/sf, multi-tenant and single-tenant count/sf
- availability rate
- gross and net asking rents
- building count and stock
- completion rate, completions multi/single

**Delivery**
- web platform with quarterly updates for licensed authorized users
- data views, data extracts, map concepts, peer selection tool, data warehouse connection tool
- save and export functions

**Thought Leadership and Support**
- sector economists, macro economists
- sector heads of research
- field directors of research and LOB contacts
- client care network

**Documentation**
- methodology papers
- quarterly assumptions and forecast narratives
- quarterly narrative outlooks by property type
- quarterly investment outlook
- backtest papers
- metro definitions
- user guides

**Advantage is CBRE**
Put our perspectives and connections to work for you with commercial and cultural insight aligned with intellectual capital and experience to fuel informed real estate decision-making. Learn more at: cbre-ea.com
CBRE Econometric Advisors monitors and analyzes trends in historical CRE data in order to forecast real estate market fundamentals across markets and sectors. Our forecasts can be invaluable in evaluating the potential risk and opportunity that market changes hold for your investments. We also model prototypical gross income, NOI and cap rate performance to help you benchmark investments.

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<tr>
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<th># of Markets and Submarkets Covered</th>
<th>Market Classifications</th>
<th>Industry Drivers</th>
<th>Time Series History (based on rents)</th>
<th>Supply/Demand</th>
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<th>Rental Rates</th>
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<td>US OFFICE</td>
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<td>US RETAIL</td>
<td>US APARTMENT</td>
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<td>Submarkets: 858</td>
<td>Submarkets: 577</td>
<td>Submarkets: 587</td>
<td>Submarkets: 848</td>
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<td>All Classes, Class A,</td>
<td>All, Warehouse, Manufacturing, R&amp;D, Other</td>
<td>Total Retail, Lifestyle &amp; Mall, Nghbd Community &amp; Strip, Power</td>
<td>All Classes, Class A,</td>
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<td>Class B/C coming in Q2 2016</td>
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<td>Industry Drivers</td>
<td>Total Employment, Ofc-using</td>
<td>Total Employment, Mfg, Distribution, Population</td>
<td>Total Employment, Population, Total Personal Income</td>
<td>Total Employment, Ofc-using</td>
<td>Under Construction, Stock (multi and single), Completions (multi and single), Net Absorption</td>
<td>Total Vacancy, Direct Vacancy, Sublet Vacancy, Total Available, Vacancy Rate</td>
<td>Asking Rents (net and gross), Effective Rents, Real Economic Rent, Rent Index, Real Rent Index</td>
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<td>Under Construction, Stock, Completions, Net Absorption</td>
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<td>Rent Per Unit, Avg. Rent by Unit Type, Avg. Rent by Age, Real Rent Per Unit</td>
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<tr>
<td>Time Series History</td>
<td>Min 9 years</td>
<td>Min 12 years</td>
<td>Min 20 years</td>
<td>Min 22 years</td>
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<td>Max 35 years</td>
<td>Max 36 years</td>
<td>Max 27 years</td>
<td>Max 22 years</td>
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<tr>
<td>Vacancy /Availability</td>
<td>Total Vacancy, Direct Vacancy, Sublet Vacancy, Total Available, Vacancy Rate</td>
<td>Availability by size, Availability Rate</td>
<td>Availability Rate</td>
<td>Avg. Vacancy history by building type, Vacancy by Age, Vacancy Rate</td>
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<tr>
<td>Rental Rates</td>
<td>Asking Rents (net and gross), Effective Rents, Real Economic Rent, Rent Index, Real Rent Index</td>
<td>Asking Rents (net and gross), Economic Rent, Real Economic Rent, Rent Index, Real Rent Index</td>
<td>Asking Rents (net and gross), Nominal Rent Index, Real Rent Index, Nominal Economic Rent, Real Economic Rent</td>
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All historical and forecast data and our accompanying analysis are updated quarterly.
Assemble data in a flash.
Choose from a myriad of reports within our economic, fundamentals and capital markets data views. Sort, refine, and export data views to workbooks.

Display data views geographically.
See how various data concepts look on a map to compare and contrast performance at market and submarket levels. Save and export your customized maps for easy reference.

Leverage CBRE’s proprietary effective rent index.
Compare rent movements across markets and over time accounting for characteristics, composition of stock, and changes in building characteristics. See the market through CBRE’s unique prism with lease transactions data not found elsewhere.

Put our perspective and connections to work for you.
Hear directly from our thought leaders and economists. We are constantly observing trends, monitoring the leading indicators, and analyzing the data. Ask questions and hear our perspectives on major trends affecting performance.

Speed your work with a direct connection to our data warehouse.
Ease the creation and management of your analytical tools by defining queries that pour data directly into your workbooks. Update your workbooks at the click of a button. Clone, edit, and share queries with your team.

See trends for a subset of properties.
Select a group of properties by address and property characteristics to produce a current snapshot, historical trends, and frequency distributions. Save and export reports for refresh over time.
CBRE offers unique insight, experience and solutions to serve the needs of real estate occupiers and investors. Our professionals, unsurpassed in their local market expertise, are supported by industry-leading econometric forecasting, market research and specialized expertise to help clients make informed decisions.

**How do I gain access?**
Through a license agreement. For details and associated fees, please call us at +1-617-912-5200 or submit a request via our “Become a Client” form on our website.

**How often do you offer product training?**
Daily. We offer WebEx training regularly, just let us know what you need help with and we'd be happy to schedule training at your convenience.

**What if I have questions about our data?**
We are responsive. We’ll connect you to the appropriate economist or point you to our documentation.

**What is your market coverage?**
- United States major markets and submarkets for office, industrial, retail, apartment and hotel
- Canada major markets and submarkets for office and industrial
- Europe major markets office

**What data concepts are included?**
- Supply, demand, rents, vacancy
- Gross income, NOI, cap rate
- Population, employment, income

**Do you perform backtesting?**
Econometric modeling and forecasting, like any science, typically improves with time. Throughout our lengthy history, we have repeatedly backtested our forecasting models. Indeed, as the result of our exercise in backtesting, we enhance our forecasting models at appropriate intervals. We evaluate the quality of our models at regular intervals and to keep our clients informed of additional enhancements if we make them.

**Do you share our forecasting methodology?**
The core of our approach reflects the modeling of standard economic theory that relates new capital formation (investment) to asset prices. We provide clients with concise written explanations of our approach.

**How do you compile your data?**
For all property types, as well as capital markets fundamentals, our data are extracted and compiled from internal CBRE sources, including our local market researchers, as well as third-party data vendors. For quality assurance, our data undergo an extensive process of validation before they are used for forecasting. Both our history and forecasts pass through a final process of quality assurance before they are posted to our data warehouse.

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