

Exploring Data Sources

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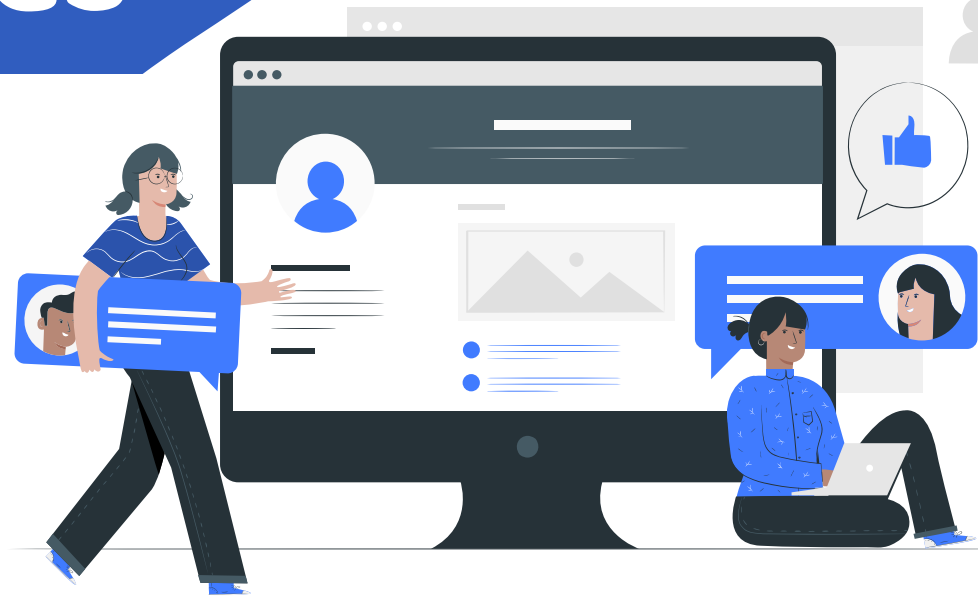


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DATA!

Data is a collection of discrete values that convey information, describing quantity, quality, fact, statistics, other basic units of meaning, or simply sequences of symbols that may be further interpreted

...[Wikipedia](#)

“DATA is the new oil”

—Clive Humby

“Above all else, show the DATA”

—Edward R. Tufte



Data and Relevance

Data is central to research, investment, policy, planning, and general decision-making.

- Data is very useful in report writing
- Poor data, poor analysis and conclusion and poor report
- Important that a writer to pay attention to sources and availability of data
- Knowledge of where to obtain specific data is very useful and time-saving

Data Challenges

- Unavailability of required data and information
- Inaccessibility of relevant data
- Lack of data in readily usable format
- Unfamiliarity with available data sources

Forms of Data



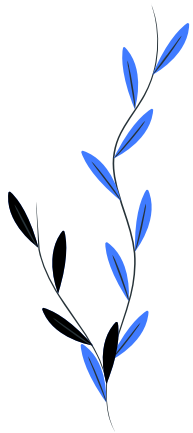
Primary

Individual /
Researchers



Secondary

Institutions
Private / Commercial
Platform



* For this class, we concentrate on economic and financial data sources for Nigeria. Although, there are other social-political data

Data

Primary

Individuals /
Researchers

Secondary

Institutions

(WB, UN, IMF, EU, WTO,
CBN, NBS and more)

Private / Commercial
Platform

(Bloomberg, Refinitiv,
Capital IQ, COMPUSTAT,
WRDS and more)

Data Sources



Global Sources and Data



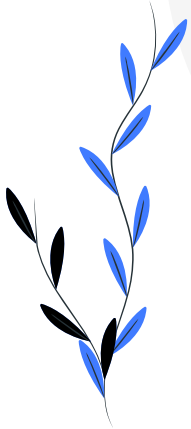
Economic

Official statistics released by countries' statistical agencies and intergovernmental organizations



Market

Data of financial instruments such as stocks, bonds, funds, options, futures and currencies across different markets



Global: Economic Data

- Many development-based institutions provide comprehensive data on Nigeria and they allow cross-country comparisons over a number of years.
 - World Bank: World Development Indicators (WDI), Global Economic Outlook (GEM), World Integrated Trade Solution (WITS)
 - IMF's: International Financial Statistics (IFS), World Economic Outlook (WEO), Direction of Trade Statistics (DOTS).
 - United Nations: COMTRADE, UNCTAD statistics, UNStat
 - Other Private: Economic Intelligence Unit (EIU), Trading Economics, Eurasia Group, Financial Times, Moody's Analytics

Global: Market Data

Data vendors aggregate data from different sources, such as regulatory filings, stock exchange feeds, companies' financials, and open sources and present them as products and solutions directed at investors, analysts, advisors, asset managers and researchers

- 💡 Bloomberg Professional
- 💡 Thomson Research
- 💡 Datastream (Refinitiv, formerly Thomson Reuters)
- 💡 COMPUSTAT
- 💡 Capital IQ
- 💡 Centre for Research in Security Prices (CRSP)
- 💡 Wharton Research Data Service (WRDS)
- 💡 Global Financial Data (GFD)

Local Sources and Data



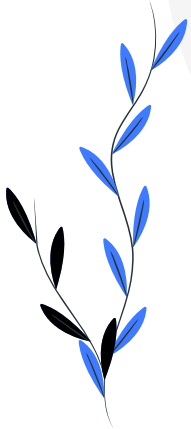
Government

Data generated by MDAs depending on their respective activities and industry of operations



Private

Data from private sources, aided by the development in the technology space



Local: Government Data

Many government data sources exist in Nigeria. The focus is on information they make publicly available as against those generated for their internal use.

Let's explore data, sources & platform

Local: Government Data

NBS

National Accounts,
Consumer Price Index (CPI),
series of household surveys,
other MDAs statistics

E-library Platform

SEC

Compiles data on securities
registration and trading.

Statistical Bulletin

NDIC

Deposit insurance coverage &
indicators of financial sector
soundness and stability

Annual Report



National
Bureau of
Statistics

Central
Bank of
Nigeria

Securities &
Exchange
Commission

Debt
Management
Office

Nigeria
Deposit
Insurance
Corporation

CBN

Compiles monetary and financial
data for monetary policy

Statistical Bulletin,
Annual Report

DMO

FGN bond issuances and
subscriptions

Annual Report,
Statement of Accounts,
Debt Profile & Bond Reports

Local: Government Data

PENCOM

Pension industry data.
Annual Report & Statement
of Accounts as well as its
monthly & quarterly reports

National
Pension
Commission

National
Insurance
Commission

NAICOM

Releases insurance sector data
through its sector statistics reports.

OAGF

Ensures value for money in the
governments financial activities
Federation Account Allocation
Committee (FAAC) Report and
Fiscal Account Reports

Office of
the
Accountant
General

Budget
Office of
the
Federation

BOF

Data publications include Budget
Documents and Budget
Implementation Reports

NNPC

Key statistics on the Nigerian upstream,
midstream & downstream oil & gas activities.
Monthly Petroleum Information (MPI), Annual
Statistical Bulletin (ASB) & Monthly Financial
Operation Reports.

Nigerian
National
Petroleum
Corporation

Nigerian
Communica
tions
Commission

NCC

Data and information on the
Nigerian communication
industry.
NCC Statistics and Reports

Local: Private Data

Many private data sources exist in Nigeria and it is a growing business area, being aided by the development in the technology space

Local: Private Data

Public Companies

Financial reports of public companies, both audited and un-audited.

CMOs

Brokers/Dealers, Custodians, Fund Managers, Issuing Houses, Registrars etc, each compiles data for operations and analyses

Academic Institutions

Some professors, researchers and libraries maintain databases from studies they have conducted in their fields over the years.

Public
Companies

Securities
Exchanges

Capital
Market
Operators

Research
Firms &
Institutions

Academic
Institutions

Local Data
Vendors

Securities Exchanges

NSE, NASD, FMDQ, AFEX, NCX, each provides data on securities prices and capitalisation, volume and value of transactions and corporate actions

Research Firms

Financial Derivatives Company, Augusto and Co., Economic Associates, Kainosedge Consulting, Brickfield Road Associates, PwC, Delloite, KPMG, Nairametrics, ADSR

Local Data Vendors

Activities now growing in Nigeria; e.g. Global Trybe Solutions, Infoware Ltd. & Applied Logic, Proshare.

Unstructured Data Sources

Unstructured data is information that either does not have a pre-defined data model or is not organized in a pre-defined manner. - [Wikipedia](#)

- Content analysis: Content analysis is a research tool used to determine the presence of certain words, themes, or concepts within some given qualitative data
- Newspapers: Newspapers and other news outlets with business focus are good sources of economic and financial information in Nigeria.
- Big Data: Big data refers to data sets that are too large or complex to be dealt with by traditional data-processing application software.
- Social media(Twitter, WhatsApp)

Conclusion

- It will be great to have a comprehensive database of relevant economic, financial and social data on the continent which will provide robust and timely data and information – **Anastat**
- Capital markets
- Companies' financials/
fundamentals
- Corporate Governance &
Social Responsibility
- Industrial Macroeconomic
- Governments Macroeconomic
- Aggregate Macroeconomic
- Policies and Proxies
- Global Indicators

Thanks



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