fidelra.africa@fidelra.ai
fidelra.ai
linkedin.com/company/fidelra

NAIROBI CITY TWIN / ECONOMY

# Economy

## Domain Guide

Review the economic context around the city, including dated evidence, sector structure and the limits of modeled responses.

| | |
|---|---|
| City | Nairobi |
| Coverage | Published documentation |
| List price | Access and scope to be agreed |
| Guide edition | Striped Donkey V5.89 - 7 September 2026 |

## Use this guide

Read the documented coverage and limitations alongside the published sample and release evidence. Model counts and sample distributions describe their stated source and period. The final accepted order specifies licensed scope, usage rights, duration and delivery.

## Useful questions

- Review economic periods and source evidence
- Distinguish economic context from business records
- Check the disclosed response boundaries

## Scope and limitations

Unlike Housing or Land, the current release combines employment-linked economic context, dated historical events and a legacy city economic layer - related capabilities that are not yet presented as one converged standalone domain.

The Nairobi release includes historical economic context, sector/investment representations and certification. Physical deployment assets, table counts and target volumes are not published.

Some internal governance metadata does not perfectly describe which downstream certification outcomes consume the Economy model. Public pages report verified behavior rather than internal release record details.

Employment responds to economic conditions at population level, but the public site does not claim every termination pathway is directly driven by the same condition signal.

## Inside this guide

01 How Economy fits the City Twin.

02 Known and possible relationships.

03 Conditions travel through the City Twin without publishing the response formula.

04 Economy models the conditions, not the enterprises.

05 1940-2026: the city's economic conditions, dated and sourced.

06 Sector structure is city-specific; exact synthetic shares remain controlled.

07 From dated economic evidence to a queryable city context.

08 Does the synthetic economy resemble the real one?

09 Economy is a real mechanism, not yet a graduated domain.

10 When the economy changes, the city notices.

## 01 How Economy fits the City Twin.

FCTE represents economic conditions through dated historical context, sector structure and a city-level condition signal that can influence connected employment analysis. The exact transformation from evidence to engine parameters is controlled.

When the economy changes, the city notices.

Nairobi City Twin™ · 1940-2026

# 02 Known and possible relationships.

Connections follow the published domain scope. Optional, contextual and planned relationships retain their stated limits below.

| Domain or context | Relationship and published scope |
|---|---|
| Employment | Dated city economic conditions provide the documented context for employment formation and termination pressure; exact response parameters remain controlled. |
| Business | Sector and enterprise activity can be analysed alongside city economic conditions. A shared year or sector is analytical context, not a per-business causal claim. |
| Taxation and Public Finance | Revenue and budget outcomes can be compared with the city economic period. The fiscal record models remain separate. |
| Households | Household circumstances can be studied alongside city economic conditions; no automatic household-level outcome is asserted. |

Supporting links

Business

Employment

Public Finance

Households

Finance

Taxation

# 03 Conditions travel through the City Twin without publishing the response formula.

Hover a connected domain to trace the public semantic path back to the root domain. Dashed relationships are contextual or explicitly disclosed boundaries rather than asserted internal dependencies.

□□ Public semantic relationship · □□ Contextual or disclosed boundary.

FCTE summarizes active economic context into a yearly city-level signal used by selected connected analyses, especially Employment. The public site exposes the direction of response and evidence provenance-not the exact formula, neutral baseline, clamps, thresholds or overlap weights.

Contractionary periods move formal/informal and termination tendencies in the expected direction. Exact response magnitudes are controlled.

Expansionary periods move the same population-level tendencies in the opposite direction, without asserting a causal outcome for any specific person.

Supporting links

Business

Employment

Public Finance

Taxation

Households

## 04 Economy models the conditions, not the enterprises.

Public claims are backed by release evidence or certification. Internal transformation logic and generation model design are intentionally not published.

A yearly city-level condition signal summarises the direction of active economic context. Exact scale, formula and overlap handling are controlled.

Dated economic shocks, reforms and expansion periods grounded in published historical evidence.

Representative sector categories and relative structure by city. Exact synthetic share weights are controlled.

Synthetic investment and incentive context represented by sector, period and project type.

Household, employment and business activity can be analysed alongside annual economic conditions so consumption changes are visible through time. Exact propagation weights remain controlled.

Economy is currently a cross-domain analytical layer rather than a single standalone graduated domain. That boundary is disclosed explicitly - see Limitations.

Synthetic by design: FCTE economic records are analytical representations of conditions and sector structure. They are not GDP statistics, national accounts, or a substitute for published macroeconomic data. If a capability isn't in the public model below, this page doesn't claim it exists.

Business models the enterprises. Employment models labor participation. Finance models public fiscal activity. Economy models the conditions surrounding all three - not another name for any one of them.

| Domain | Core Question | Key Objects |
|---|---|---|
| Economy | What are the macro conditions this year? | HistoricalEvent (Economic), annual economic context, SectorProfile |
| Business | What enterprises exist? | Business, Ownership, OperatingStatus |
| Employment | How do citizens participate in labor? | Contract, Termination, Payroll |
| Finance | What public fiscal activity happens? | TaxAssessment, Revenue, Budget |

Supporting links

Business

## 05 1940-2026: the city's economic conditions, dated and sourced.

A static, honest representation of real event severities over time - not a literal interactive chart. Every event below is a real row in HistoricalEvent, category 'Economic'.

The Nairobi event registry preserves dated, sourced economic context. Public pages show event timing and qualitative impact bands; exact severity coefficients and category-to-engine mappings are controlled.

View Historical Event Sources →

| Event | Country | Years | Impact band | What it represents |
|---|---|---|---|---|
| KENYA-INFORMAL-SECTOR-1971 | Kenya | 1971- | Moderate | Landmark ILO report first uses "informal sector" - the term's global origin |
| STRUCTURAL-ADJUST-1990 | Kenya | 1990-1995 | Material | IMF/World Bank SAPs - public-sector cuts, informal economy growth |
| ECON-CRISIS-1997 | Kenya | 1997-1999 | Material | Asian Financial Crisis regional slowdown |
| MPESA-EXPANSION | Kenya | 2007-2012 | High | M-PESA launch and rapid adoption transform the informal economy |
| KENYA-NSSF-ACT-2013 | Kenya | 2013- | Moderate | Tiered contributory pension model replaces flat-rate NSSF |
| COVID-RECOVERY | Kenya | 2022-2023 | Moderate | Post-pandemic recovery, digital-adoption acceleration |
| VALUATION-ROLL-RESET-2022 | Kenya | 2022-2026 | Material | First new Nairobi land valuation roll since 1980 |
| KENYA-certification check | Kenya | 2023-2024 | Material | Housing Levy enacted, struck down, reinstated on a corrected legal basis |
| SHIF-TRANSITION-2024 | Kenya | 2024- | Moderate | NHIF replaced by SHIF - flat 2.75% of gross salary, no cap |
| NSSF-PHASED-RATES-2025 | Kenya | 2025- | Moderate | Third phase of the NSSF Act 2013's five-year contribution increase |

Supporting links

View Historical Event Sources →

## 06 Sector structure is city-specific; exact synthetic shares remain controlled.

Sector categories and relative emphasis are public; exact calibration shares and synthetic weights are not.

Neither list was forced to match the other.

Published economy evidence and documented city context anchor the public release at aggregate level.

Per-year Modifier value, computed from overlapping active events via internal calibration logic - not itself a published statistic.

Macroeconomic event effects and city-year conditions are calibrated against documented historical evidence and release-level plausibility checks. Exact modifiers and propagation coefficients remain controlled.

Individual synthetic assignments are generated under controlled domain rules. Exact sampling, assignment order and parameterization are not published.

FCTE does not fabricate a GDP series. Aggregate, dated evidence about real economic shocks and reforms constrains a modifier that an already-generated Employment system actually reacts to.

M-PESA's real launch and expansion (2007-2012), a major evidence-backed transition in Kenya's economic history record. Exact event coefficients are controlled.

NHIF→SHIF transition (Oct 2024); NSSF Act 2013's phased contribution increases; Kenya's Housing Levy enacted/struck down/reinstated (2023-24).

Open Economy Evidence Catalogue →

| Nairobi - top sectors | Share | Share |
|---|---|---|
| Financial Services & Banking | Controlled | Controlled |
| ICT, Software & Telecommunications | Controlled | Controlled |
| Wholesale & Retail Trade | Controlled | Controlled |
| Transport, Logistics & Warehousing | Controlled | Controlled |
| Construction & Real Estate | Controlled | Controlled |
| Agriculture & Horticulture (smallest) | Controlled | Controlled |

Supporting links

Open Economy Evidence Catalogue →

## 07 From dated economic evidence to a queryable city context.

The public Economy domain exposes dated events, sector context and representative investment/economic condition outputs. Exact signal coefficients, event-combination logic, target volumes and physical dependencies are controlled.

| Public entity family | Represents | Disclosure boundary |
|---|---|---|
| Historical economic context | Documented macro events and city economic history | Exact response coefficients and modifier mechanics are controlled |
| Annual conditions | Year-level economic and labour context | Internal scoring and threshold logic are controlled |
| Sector structure | Sector mix and economic composition | Exact calibration shares are controlled |

| Public entity family | Represents | Disclosure boundary |
|---|---|---|
| Investment context | Public/private investment and project context | Physical dependency model is controlled |

## 08 Does the synthetic economy resemble the real one?

Economy certification reports release-level outcomes for Nairobi. Internal condition-signal design, internal data structures, generated volumes and cross-domain execution paths are not published.

Open Economy Realism Report →

Economy certification reports release-level outcomes for Nairobi. Internal condition-signal design, internal data structures, generated volumes and cross-domain execution paths are not published.

Explore Every Employment Check →

• certification check - annual economic context populated: PASS, 87 years (1940-2026), Nairobi. Re-confirmed live.

• Release certification verifies the Economy model and neutral-condition integrity; exact internal checks are controlled.

• economic model - RELEASE-VALIDATED, Nairobi, 2026-08-06

• Release certification verifies the Economy model and neutral-condition integrity; exact internal checks are controlled.

Supporting links

Open Economy Realism Report →

Explore Every Employment Check →

## 09 Economy is a real mechanism, not yet a graduated domain.

Unlike Housing or Land, the current release combines employment-linked economic context, dated historical events and a legacy city economic layer - related capabilities that are not yet presented as one converged standalone domain.

The Nairobi release includes historical economic context, sector/investment representations and certification. Physical deployment assets, table counts and target volumes are not published.

Some internal governance metadata does not perfectly describe which downstream certification outcomes consume the Economy model. Public pages report verified behavior rather than internal release record details.

Employment responds to economic conditions at population level, but the public site does not claim every termination pathway is directly driven by the same condition signal.

Any resemblance beyond structure - like Nairobi' 18.50% Finance share - is a genuine coincidence, not an enforced rule.

FCTE does not generate a GDP time series, inflation index, or balance-of-payments figures. Economic conditions are represented through event severity and the Employment Modifier - a behavioral proxy, not a macroeconomic accounting system.

Synthetic investment context is represented, but its detailed internal consistency checks are less mature than the strongest graduated domains.

View All Economy Limitations →

Supporting links

View All Economy Limitations →

## 10 When the economy changes, the city notices.

A real, dated Economic-category event in HistoricalEvent - the global pandemic, intensity multiplier 3.00.

A real SectorGrowth row for 2020, sourced to KNBS - the same year as the documented shock above.

The annual economic condition signal is reflected in the formal/informal employment context for the same period. Exact adjustment logic and coefficients remain controlled.

Synthetic citizens experience a different formal/informal balance than a neutral year would have produced.

Sector activity, households and consumption inherit a condition that started as one dated historical event.

When the economy changes, the city notices.

Available as Standalone Domain · Multi-Domain Bundle · Full City Twin™

Supporting links

Explore This Record →

View the analysis example →

See the Evidence →

Review licensing & delivery details →

Get This Domain →

Browse Economy Data →

Explore Multi-Domain Access →