



FCTE · METHODOLOGY

Understand the model. Follow the evidence.

Trace the path from reference sources to a released City Twin. Understand what each check establishes and where a further review is needed.

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Methodology overview · Marketplace V5.98

Read the scope with the result. This overview explains the review process; it does not grant independent assurance or authenticate a publisher.

[Read the current online methodology \[open\]](#)

**01 · EVIDENCE CHAIN**

From source to released asset.

A useful result has a traceable history. Read each stage alongside the sources, assumptions and checks published for its scope.

01**Reference evidence**

City, national and global sources.

[Find reference sources \[open\]](#)

02**Calibration context**

Published targets, historical anchors and calibration categories.

[Understand comparisons \[open\]](#)

03**Synthetic model**

Connected entities and lifecycle behavior.

[Explore the model \[open\]](#)

04**Release certification**

Structural, temporal and realism checks.

[Review certification \[open\]](#)

05**Released asset**

A city, version and published evidence state.

[Verify release identity \[open\]](#)

**02 · SIX REVIEW QUESTIONS**

What does each check establish?

01**Structural integrity**

Do identities, required structures and relationships hold?

[Review audits \[open\]](#)

02**Statistical integrity**

Do distributions and aggregate behavior remain within the published bands?

[Find benchmarks \[open\]](#)

03**Historical integrity**

Do events respect chronology and known historical anchors?

[Review chronology \[open\]](#)

04**Privacy assurance**

Does the product remain synthetic and non-identifying?

[Read use & governance \[open\]](#)

05**Reproducibility**

Can a release be identified and evaluated as a stable asset?

[Verify the release \[open\]](#)

06**Explainability**

Can a reviewer trace the sources, assumptions and quality evidence?

[Explore the evidence \[open\]](#)

**03 · INTERPRET THE RESULT**

Structural validity and empirical fit.

WITHIN THE MODEL**Structural validation**

Release checks assess chronology, integrity and cross-domain consistency within the stated assurance scope.

[Inspect audit findings \[open\]](#)

AGAINST EXTERNAL REFERENCES**Empirical benchmarking**

Where suitable external benchmarks exist, compare the reference family, synthetic result, directional difference and disclosed status.

[Review the evidence library \[open\]](#)

A passed structural check alone does not establish fitness for every intended use. Read empirical comparisons and disclosed limitations alongside it.

04 · LEVELS OF REVIEW

Make the level of review explicit.

These describe distinct kinds of review. A release needs evidence for each level it claims.

Engine validated

Automated checks executed by FCTE against a release.

Evidence validated

Selected synthetic measures compared with published benchmark families.

Independent review

Only claimed when an external institution has reviewed a defined scope. FCTE certification alone does not establish this.

Customer validated

The customer tests suitability against the empirical context of the intended use.



05 · RELEASE IDENTITY

Know what you downloaded.

Covered artifact integrity

Compare the file's verification value with its release record. Inspect signature state separately.

[Open release verifier \[open\]](#)

Public review boundary

Data models, representative relationships, samples, outcomes and audit findings are public. Internal construction methods remain controlled.

[Understand the boundary \[open\]](#)

Current marketplace inventory: unsigned. No publisher signature is supplied. File integrity checks and publisher authentication are separate.

06 · CONTINUE YOUR REVIEW

Choose a city. Inspect its evidence.

Nairobi evidence

Sources, checks and release records

[Open Nairobi evidence \[open\]](#)

Lagos evidence

Sources, checks and release records

[Open Lagos evidence \[open\]](#)

[Inspect sample data \[open\]](#)

[Explore Nairobi \[open\]](#)

[Explore Lagos \[open\]](#)

Start with measurable evidence

[Inspect published checks and sample results \[open\]](#)

[Python + SQL quick start \[open\]](#)

[Compare Nairobi + Lagos \[open\]](#)