YETO Methodology Guide

Yemen Economic Transparency Observatory

Version 1.0 | January 2026

1. Introduction

The Yemen Economic Transparency Observatory (YETO) is a comprehensive platform designed to provide verifiable, evidence-based economic intelligence on Yemen. This methodology guide documents our data collection, verification, and presentation standards.

1.1 Mission Statement

YETO aims to enhance economic transparency in Yemen by:

- Aggregating data from multiple credible sources
- Applying rigorous verification standards
- Presenting information with full source attribution
- Enabling informed decision-making for policymakers, researchers, and stakeholders

1.2 Scope

This platform covers 16 economic sectors:

1. Macroeconomy
2. Currency & Exchange
3. Banking & Finance
4. Agriculture & Food

5. Trade & Commerce

6. Energy & Fuel

7. Labor & Employment

8. Humanitarian & Aid

9. Infrastructure

10. Health

11. Education

12. Telecommunications

13. Transportation

14. Water & Sanitation

15. Poverty & Welfare

16. Governance & Institutions

---

2. Data Source Classification

2.1 Tier System

YETO employs a four-tier classification system for data sources:

Tier	Category	Description	Examples
T0	Primary Official	Direct government/central bank releases	CBY bulletins, Ministry reports
T1	International Organizations	UN agencies, World Bank, IMF	WDI, WEO, OCHA reports
T2	Research & Academic	Peer-reviewed studies, think tanks	ACAPS, Chatham House
T3	Media & Field Reports	News outlets, NGO field reports	Reuters, Al Jazeera, local NGOs

2.2 Source Verification Process

Each data point undergoes:

1. **Origin Verification**: Confirming the source is authentic
2. **Cross-Reference Check**: Comparing with alternative sources when available
3. **Temporal Validation**: Ensuring data currency and relevance
4. **Methodology Review**: Understanding how the original data was collected

3. Confidence Grading System

3.1 Grade Definitions

Grade	Label	Criteria
A	High Confidence	Official source, multiple verification, recent data
B	Moderate Confidence	Credible source, limited verification, reasonably current
C	Low Confidence	Single source, unverified, or older data
D	Estimate/Proxy	Calculated estimate or proxy indicator
E	Contested	Multiple conflicting sources, politically sensitive

3.2 Grade Assignment Process

Grades are assigned based on:

- Source tier classification
- Number of corroborating sources
- Data recency (within 6 months = higher grade)
- Methodology transparency

4. Data Collection Procedures

4.1 Automated Collection

- API integrations with World Bank, IMF, UN agencies
- Scheduled scraping of official government portals
- RSS feed monitoring for news and reports

4.2 Manual Collection

- Document review and data extraction
- Expert interviews and consultations
- Field report analysis

4.3 Update Frequency

Data Type	Update Frequency
Exchange rates	Daily
Market prices	Weekly
Economic indicators	Monthly/Quarterly
Structural data	Annually

5. Quality Assurance

5.1 Data Validation

- Automated range checks and outlier detection
- Historical trend analysis
- Cross-source reconciliation

5.2 Error Correction

When errors are identified:

1. Issue flagged and documented
2. Source contacted for clarification
3. Correction applied with timestamp
4. Correction note added to data record

5.3 Audit Trail

All data modifications are logged with:

- Timestamp
- User/system identifier
- Previous value
- New value
- Reason for change

---

6. Data Presentation Standards

6.1 Visualization Guidelines

- Clear axis labels and units
- Source attribution on all charts
- Confidence grade displayed
- Last update timestamp shown

6.2 Accessibility

- Bilingual support (Arabic/English)
- Screen reader compatibility
- Mobile-responsive design

- Data export options (CSV, JSON, Excel)

7. Limitations and Disclaimers

7.1 Known Limitations

- Data gaps due to conflict conditions
- Dual authority reporting challenges
- Currency conversion complexities
- Delayed official statistics

7.2 Usage Guidelines

- Data should be cited with source attribution
- Confidence grades should be considered in analysis
- Historical data may be revised as new information emerges
- Platform data is for informational purposes only

8. Contact and Feedback

For methodology questions or data corrections:

- Email: methodology@yeto.observatory
- Feedback form: Available on platform

Document Version: 1.0 **Last Updated**: January 2026 **Next Review**: July 2026

© 2026 Yemen Economic Transparency Observatory (YETO)