Annex

Table 1: Comparison of other theoretical frameworks. Modified from Jolliffe et al. (2023)

Area	WDI Frame- work (2024)	Fantom & Khokhar (2014)	Joliffe et al. (2021)	Statistics Canada (2017)	OECD (2011)	UN (2019)	Biemer (2010)
Adequate Coverage	Complete	Completeness	Complete	Coverage			Completeness
overage	Frequent Timely	Timeliness	Frequent Timely	Viability Timeliness & punctuality	Timeling punctuality	eskinelin & punc- tual- ity	nÆsmeliness/ punc- tuality
High Quality	Granular	Extent of detail	Granular	Granularity		J	
	Accurate	Accuracy	Accurate	Accuracy & reliability	Accurace reliability	yAccura & relia- bil- ity; Methodolog- ical sound- ness	c A ccuracy d-
	-	Comparability	yComparable	Standardization or conformance	on	Compa	u Cbilip arability
Easy to Use	Not Redundant Accessible	Accessibility	Accessible	Accessibility	Openner transparency	,	ib Alcty ssibility
	Understanda	a ldl arity	Understanda	decessability and under- standability	parency	Clarity Trans-	r;Usability/ inter- ypretabil- ity
	Interoperabl	eCoherence	Interoperable	eCombinability or likability	Coheren	© ohere	=

Area	WDI Frame- work (2024)	Fantom & Khokhar (2014)	Joliffe et al. (2021)	Statistics Canada (2017)	OECD (2011)	UN (2019)	Biemer (2010)
Trusted & Relevant	Impartial	Plausibility	Impartial	Perception of authority, impartiality & trustwor- thiness	objectivity; integrity; impartiality	& ob- jec- tiv- ity	i Git gdibilit
	Confidentiali@onfidentialityConfidential protected			Security. Protection of sensitive information	Confiden Stality tical pro- con- tected fi- den- tial- ity & data secu- rity		
	DevelopmentRelevance Relevance		Appropriate	Relevance & usefulness	Relevan & use- ful- ness	ıc R eleva	n R ælevance
			Other	Quality assurance; reproducibil- ity; contact ability	Effective stake-holder engage-ment	eMany, see table note	

Note: This figure is inspired by, and takes some information from, Jolliffe et al. (2023) & Marker (2017). The UN framework has many other attributes most of which are related to managing the statistical system and hence do not relate to the framework of this paper: Coordinating the national statistical system, managing relationships, managing statistical standards, professional independence, adequacy of resources, commitment to quality, appropriate statistical procedures, managing the respondent burden, and cost-effectiveness.

 ${\bf Table~2:~WDI~Metadata~Required~Fields}$

Field	Definition		
Definition	Detailed definition of the indicator.		
Definition	Links/sources for the definition.		
references			
Development	Development relevance and importance of the indicator.		
Relevance			
${f Methodology}$	Methodology used to calculate/derive the indicator.		
Statistical	Statistical concepts and standards applied.		
$\operatorname{concept}$			
Measurement	Unit of measurement for the indicator.		
\mathbf{unit}			
Aggregation	Method for aggregating the indicator across geographic levels.		
method			
Sources	Data sources used to compile the indicator.		
Aliases	Different names/aliases for the indicator separated by semicolons.		
Alternate	Any other identifiers used for the indicator in source databases.		
Identifiers			

Table 3: Mapping Between WDI Criteria Dimensions and World Bank Data Quality Policy Principles

Area	Dimension	Data Quality Policy Principle		
Easy to Use	Accessible	Access, Dissemination, and Storage (h)		
	Understandable	Transparency (d)		
	Interoperable	Inter-operability (1)		
Trusted &	Impartial	Impartiality and Independence (a)		
Relevant	_	- , , ,		
	Confidentiality	Responsible Data Management (b)		
	Protected	- , ,		
	Development	Relevance (e)		
	Relevance	. ,		
Adequate	Complete	Efficient Data Collection (i)		
Coverage	-	· · ·		
· ·	Frequent	Efficient Data Collection (i)		
	Timely	Access, Dissemination, and Storage (h)		
High Quality	Accurate	Verifiability (c)		
	Comparable	Coherence and Comparability (f)		
	Granular	Coherence and Comparability (f)		
	Not Redundant	Coherence and Comparability (f)		