

# Global Malnutrition Trends: A Power BI Analysis (1983-2019)

## 3.2. Data Quality Report:

### Data Preparation for Visualization:

Preparing the data for visualization is a crucial step that ensures the datasets are accurate, consistent, and ready for analysis. In this project, the malnutrition data collected from and Kaggle was carefully reviewed to ensure completeness and correctness. The preparation process involved cleaning the data by removing blank and null values, standardizing numerical formats, fixing decimal precision, and converting proportion-based columns into percentage format. The datasets were then organized and structured to be easily imported into visualization tools like **Power BI**.

1. The data has been loaded into power BI. The Next step is to clean the data
2. For this transform data to the power Query Editor.
3. After loading the data select each column and remove null and blank values for data consistency and accuracy.

ry	Survey Year	Year	Income Classification	LDC	LIFD	LLDC or SID2	Survey Sample (N)	Severe Wasting	Wasting	Overweight	Stunting	Underweight	Notes
	2008-09	2009	2	0	0	0	14	Sort ascending			23.2	6.3	
	2017-18	2017	2	0	0	0	23	Sort descending			11.3	1.5	
	2015-16	2015	1	1	0	0	74	Clear sort			37.6	19	
	1996-97	1997	1	1	1	0	52	Clear filter			59.6	53.6	
	1999-00	2000	1	1	1	0	60	Clear all filters			51.1	42.4	
	2004	2004	1	1	1	0	62	Number filters			50.5	42.8	
	2007	2007	1	1	1	0	54	(Select all)			43.2	41.3	
	2011	2011	1	1	1	0	81	(Blank)			41.3	36.7	
	2014	2014	1	1	1	0	76	267			36.2	32.8	
	2017-18	2018	1	1	1	0		289			30.8	21.9	
	2001	2001	0	1	1	0	41	283			36.2	19.5	
	2017-18	2018	0	1	1	0	128	315			32.2	16.8	
	1996	1996	2	0	0	0	41	351			13	4.5	
	2000	2000	1	1	0	0	36	403			49	39.7	
	2005-06	2005	1	1	0	0	36	412			42.8	28.3	
	2010-11	2010	1	1	0	0	40	449			39.8	28.9	
	2014	2014	1	1	0	0	50	500			32.4	24.1	
	1991	1991	1	0	1	0	24	581			31.6	12.9	
	2004	2004	1	0	1	0	38	582			35.6	15.1	
	2011	2011	1	0	1	0	60	584			32.6	15.2	
	1995	1995	2	0	0	0	44	592			19.6	6.3	
	2000	2000	2	0	0	0	41	600			18.2	4.9	
	2004-05	2004	2	0	0	0	127	615			16	5	
	2009-10	2010	2	0	0	0	157	624			12.6	3.4	
	2005	2005	1	0	1	0	46	630			31.2	11.9	
	2011-12	2011	1	0	1	0	46	639			24.4	11.8	
	1998-99	1998	1	0	1	0	16	665			31.2	18.2	
	2011-12	2012	1	0	1	0	3680	1.8	7.6	3.2	29.9	15.7	
F THE CONGO (THE)	2007	2007	0	1	1	0	4149	4.8	10.4	7	45.8	25.6	
F THE CONGO (THE)	2013-14	2013	0	1	1	0	9397	2.9	8.1	4.4	42.7	23.4	
	1992-93	1993	1	0	0	0	7644	1.8	4	14.3	31.1	8.2	

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Data Source / Dataset	Data Quality Issue	Severity	Resolution Plan
Country-wise	Blank or null values in columns	Moderate	Removed all blank and null values from the dataset
Country-wise Average	Unorganized numerical data	Low	Sorted and arranged numerical columns for easier analysis
Country-wise Average	Inconsistent decimal precision in numerical columns	Low	Converted decimal columns into fixed decimal format for uniformity and readability
Country-wise Average and Malnutrition Estimates	U5 population columns not in percentage format	Low	Converted population proportion columns into proper percentage format for clarity
Malnutrition Estimates	Blank or null values in columns	Moderate	Removed all blank and null values from the dataset
Malnutrition Estimates	Unorganized numerical data	Low	Sorted and arranged numerical columns for easier analysis