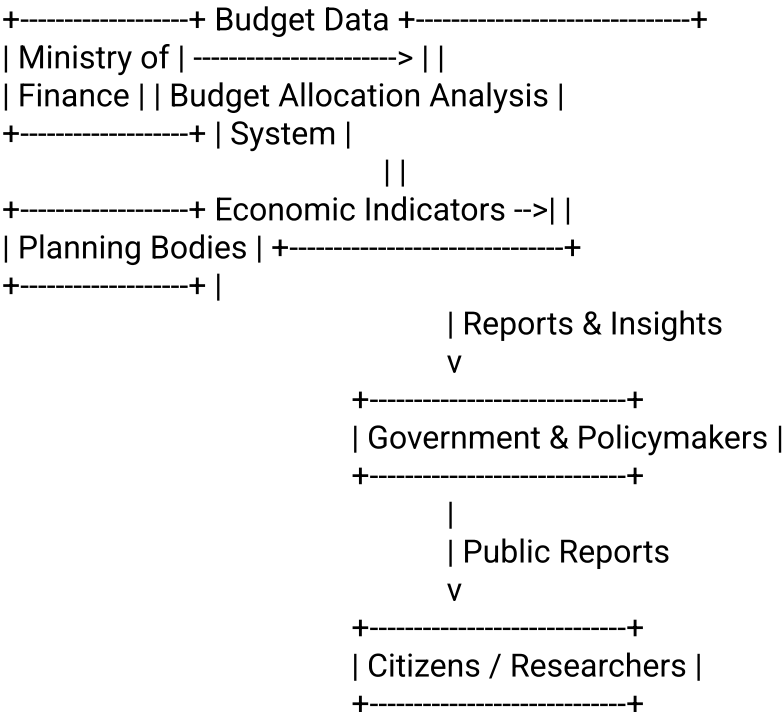


# Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth in this topic data flow diagram

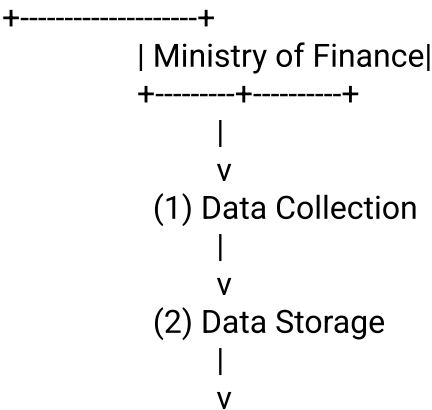
Below is a clear, structured Data Flow Diagram (DFD) design for the topic:

“Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth”  
You can use this directly for documentation, project reports, or system design.

- ◆ Level 0 DFD (Context Diagram)  
Shows the system as a single process and its interaction with external entities.  
Copy code



- Explanation
- Inputs: Budget data, economic indicators
- Process: Budget Allocation Analysis System
- Outputs: Insights, sustainability reports, visualizations
- ◆ Level 1 DFD (Major Subsystems)  
Breaks the system into main functional processes.  
Copy code



(3) Data Processing & Cleaning

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v

(4) Trend & Growth Analysis

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v

(5) Sustainability Impact Analysis

|

v

(6) Report Generation

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v

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Government & Policymakers Citizens/Researchers

Key Processes

Data Collection – gathers budget & economic data

Data Storage – stores historical and current budgets

Data Processing – cleans & normalizes data

Trend Analysis – studies allocation changes over time

Impact Analysis – maps spending to sustainability goals

Report Generation – dashboards, charts, summaries

♦ Level 2 DFD (Detailed View of Analysis Module)

Focuses on how trend & sustainability analysis works.

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From Data Storage

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(3.1 Budget Comparison)

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(3.2 Sector-wise Analysis)

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(3.3 Growth Rate Calculation)

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(3.4 Sustainability Mapping)

|

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(3.5 Visualization Engine)

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v

Reports & Dashboards

Subprocess Explanation

Budget Comparison: Year-wise allocation changes

Sector-wise Analysis: Health, Education, Energy, Infrastructure

Growth Rate Calculation: CAGR, YoY growth

Sustainability Mapping: SDGs alignment

Visualization Engine: Graphs & charts

♦ Data Stores Used

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D1: Historical Budget Database

D2: Economic Indicators Database

D3: Sustainability Metrics Database

D4: Report Repository

- ◆ Symbols Used (DFD Notation)

Process: Circle / Rounded rectangle

Data Store: Open-ended rectangle

External Entity: Square

Data Flow: Arrow

✅ How You Can Use This

Convert into draw.io, Lucidchart, or Visio diagrams

Add screenshots in project report

Use Level 0 → Level 2 for clear academic presentation

If you want, I can also:

✓ Convert these into diagram-ready Mermaid code

✓ Create DFD images

✓ Add use-case diagram or ER diagram

Just tell me 👍

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