



Innovations for Influential Evaluation

2–5 September | Conrad Hotel Shanghai, People's Republic of China

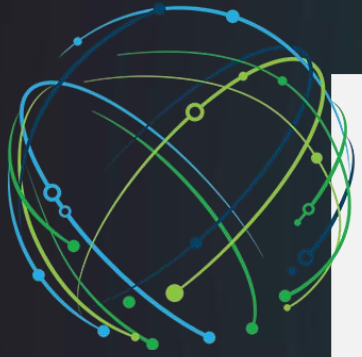
[#AsianEvaluationWeek](#) [#AEW2024](#)



Session 9 - AI & ML in Action: Revolutionizing Efficiency and Innovation in Evaluation

EVA: Empowering Access to Evaluation Knowledge

Maya Vijayaraghavan, Asian Development Bank



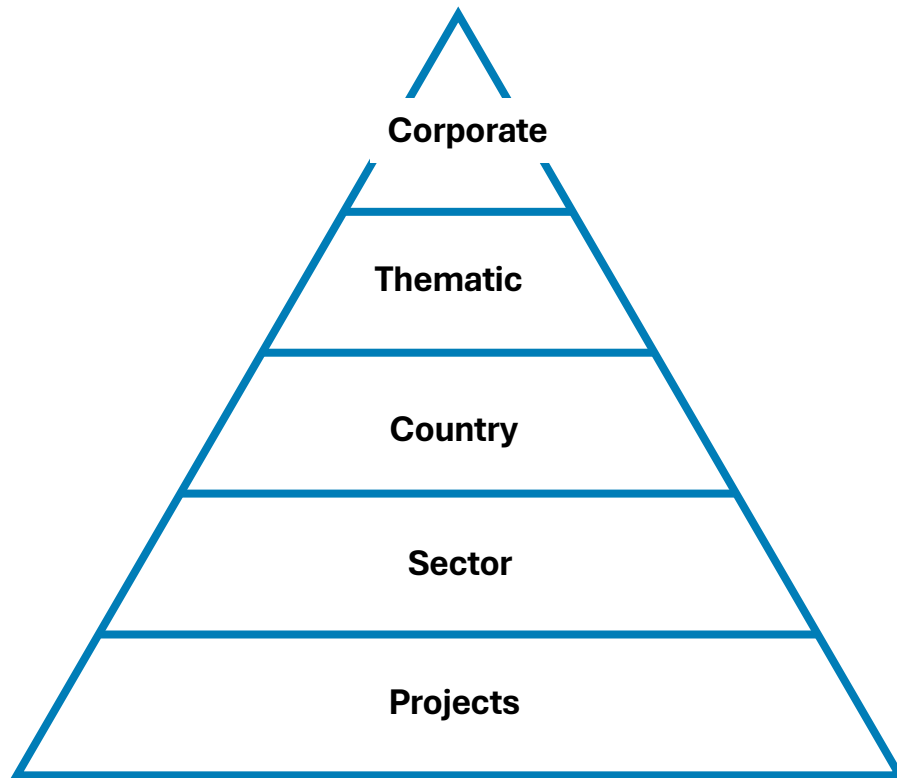
EVA

Empowering Access to Evaluation
Knowledge



A Wealth of Lessons from Evaluation

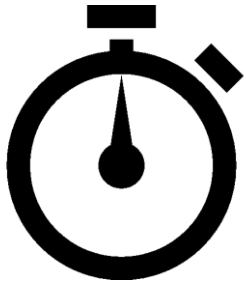
Levels of evaluation at the Asian Development Bank



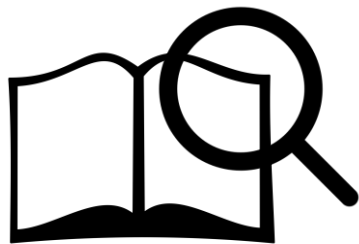
Accessible

EVALUATION
KNOWLEDGE

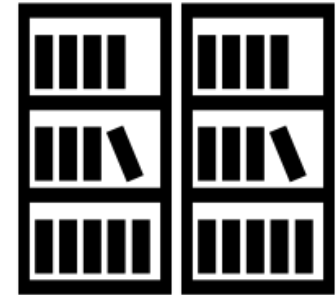
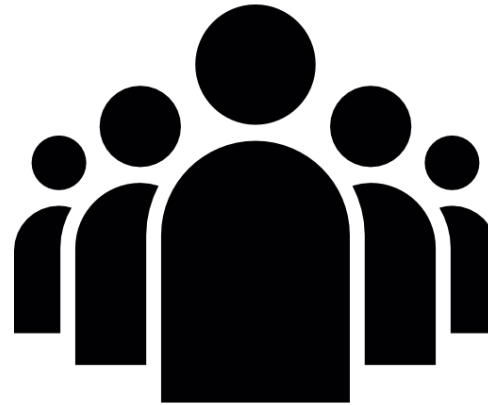
Looking for a Needle in a Haystack



Time-
consuming



Manual search



Multiple sources

Different strokes for different folks

- ❑ Project preparation: Project-level lessons by theme, sector or country
- ❑ Inputs to evaluation: Downloadable list of lessons by theme, sector, or country
- ❑ Synthesis: High-level summaries of lessons from evaluation

EVA can help

*A new generation of enterprise search solutions that employ AI technologies such as **natural language processing** and **machine learning** to ingest, understand, organize, and query digital content from multiple data sources*



Get valuable insights



Improve work efficiency



Learn from AI solutions



Create opportunities to innovate

EVA's Journey

At-a-glance



IDEATION

Brainstorming, outlining core concepts, and gathering stakeholder input

2021

Jun



PROOF OF CONCEPT

Validate the concept with initial data annotation, model development, and testing

2022

Feb



MINIMUM VIABLE PRODUCT

Product development, user feedback integration, minimum viable product launch

2023

Mar



POWERED BY ADB GENIE

Integration with ADB Genie, A research assistant for ADB Trusted Sources

2024

July



PILOT LAUNCH

Lesson Search
Chat with Lessons
Summarization
AI Generated Lessons
Feedback Mechanism

2024

Sep

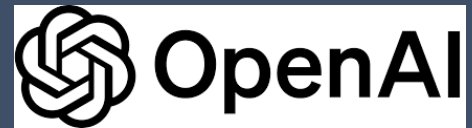


ADB Genie Workbench

Supported Language Models



Claude 3.5 Sonnet
Claude 3 Haiku



GPT-4



Llama 3

What is included in EVA?

**Annual Evaluation
Reviews**

**Corporate and Thematic
Evaluations**

**Country Assistance
Program Evaluations**

Sector-wide Evaluations

**Sector Assistance
Program Evaluation**

**Evaluation Topical
Papers**

**Extended Annual Review
Reports**

Impact Evaluations

**Project Performance
Evaluation Reports**

**Project/Program
Completion Reports**

**Technical Assistance
Completion Reports**

**Technical Assistance
Performance Evaluation
Reports**

**Validation of Technical
Assistance Completion
Reports**

**Validations of Country
Partnership Strategy
Final Reviews**

**Validations of Project
Completion Reports**

5000+ evaluation documents, 1981-2024

How does EVA work?



Text Extraction

Parse documents to extract both text and layout information.



Lesson Classification

Identify lessons by applying a specialized classification model.



Data Indexing

Index the extracted data into a searchable system.



Search and Summarization

Allow users to search the indexed data, with a summary generated from the search results.

What do we get from EVA?

- ❑ Project preparation: Fully referenced project-level lessons for use in new project preparation
- ❑ Inputs for evaluation: Fully referenced downloadable table of lessons for further analysis
- ❑ Synthesis: Fully referenced high-level summary of lessons on trends, what worked, and what did not work

What did we learn from testing EVA?

- ❑ High ease of adoption by new users
- ❑ AI tools offer enormous potential for efficiency gains
- ❑ Treat AI tools as enthusiastic and efficient research assistants
- ❑ Ensure that a human checks and confirms the output quality
- ❑ Continuously test and refine the tools



EVA

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