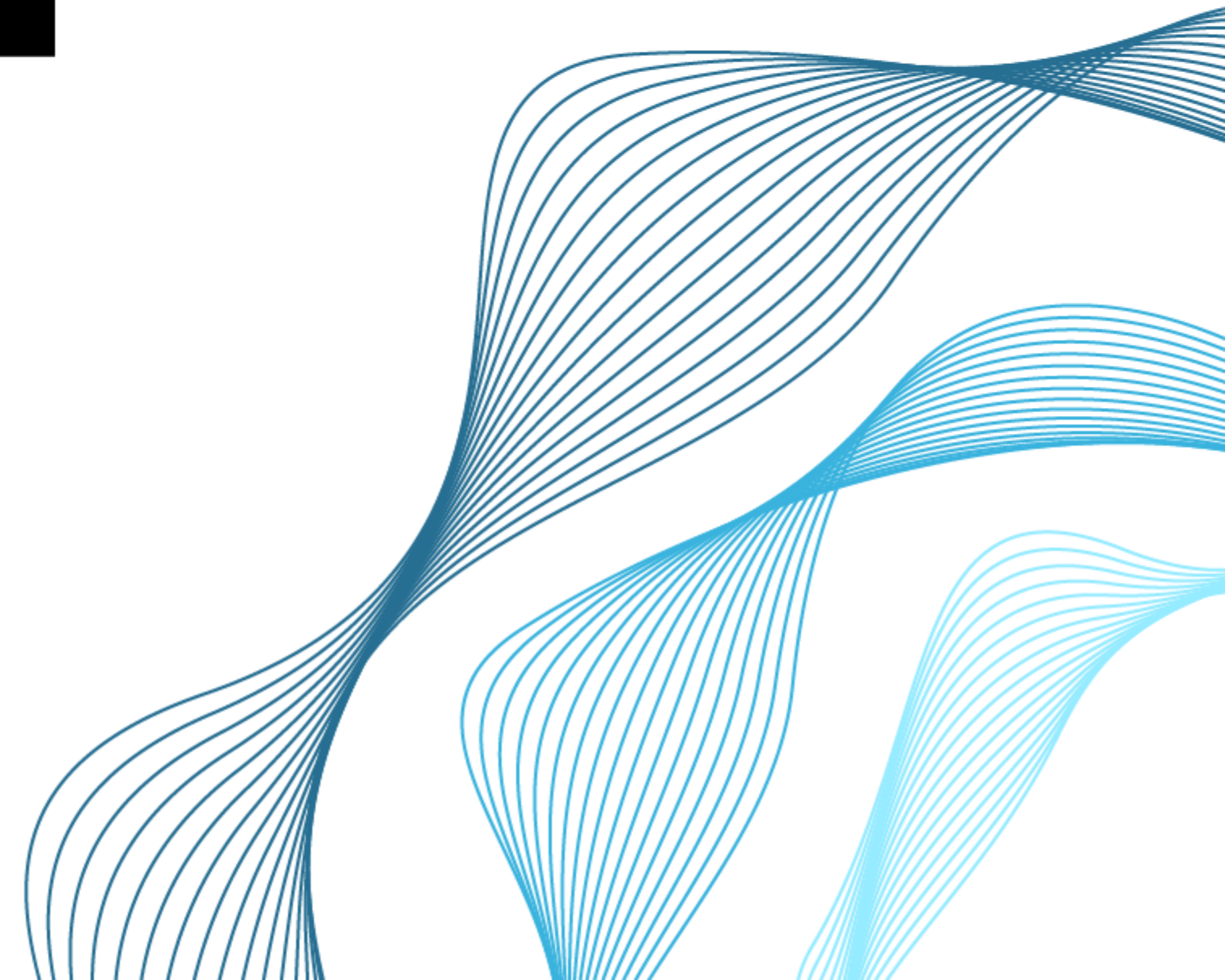
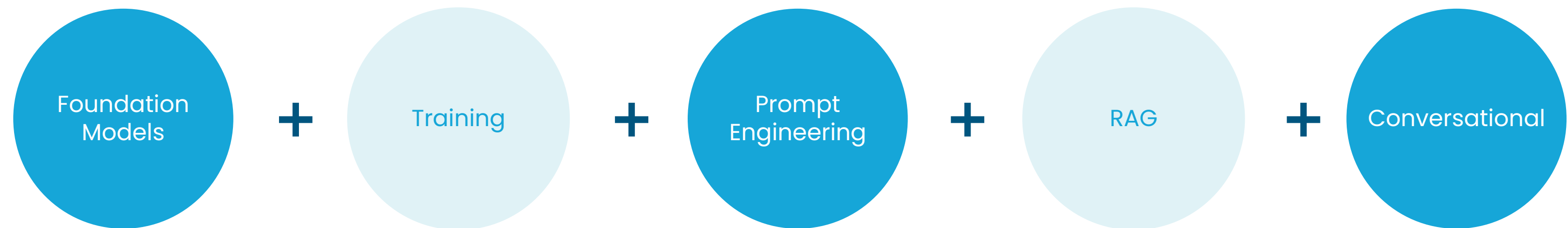


lunar

GenAI Analytical Agents



Most agent builders focus on the formula:

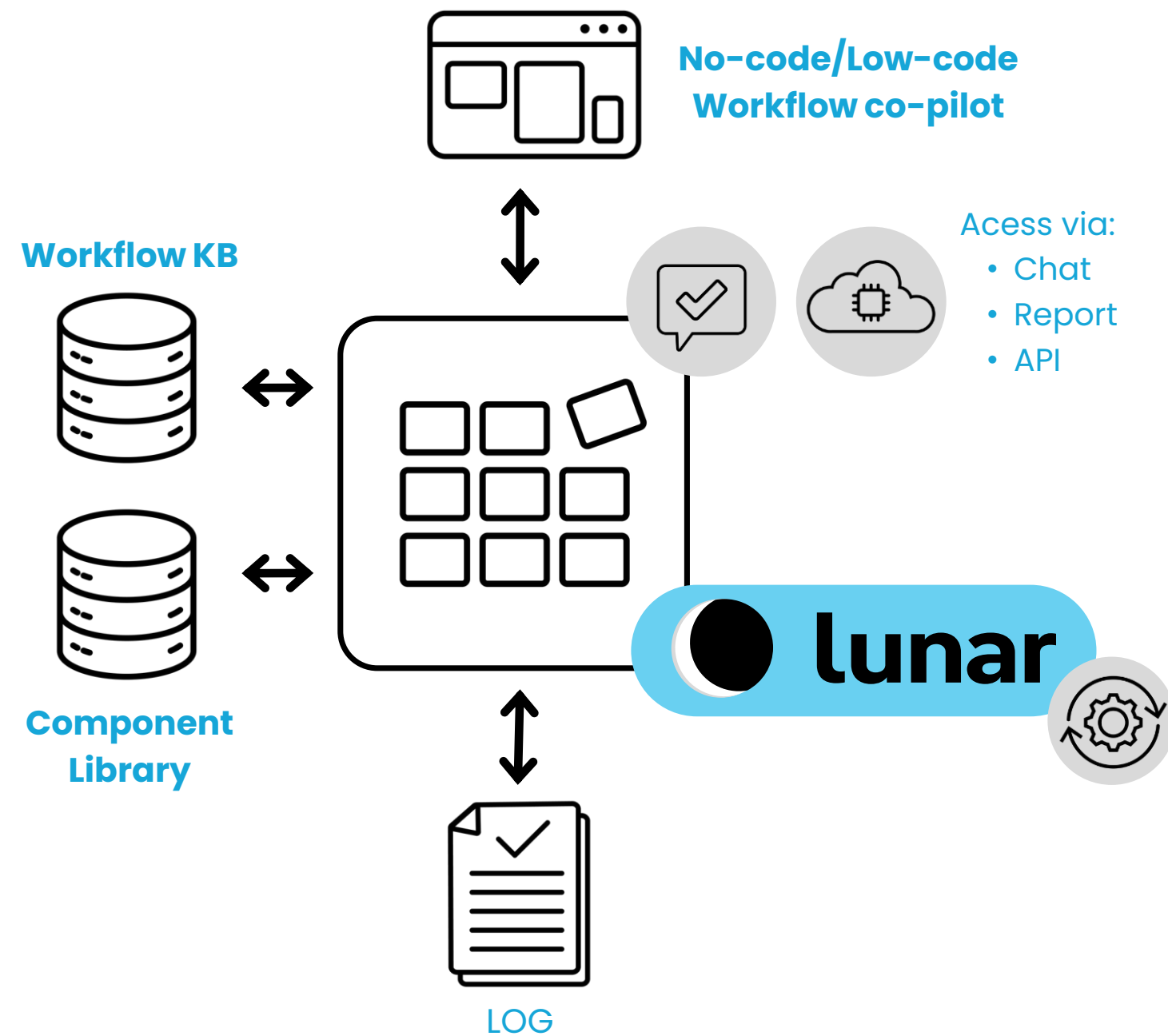


Limitations:

- Insufficient to address real-world problems.
- Lack of specialization & control.
- Focus on AI engineers – not on domain experts.

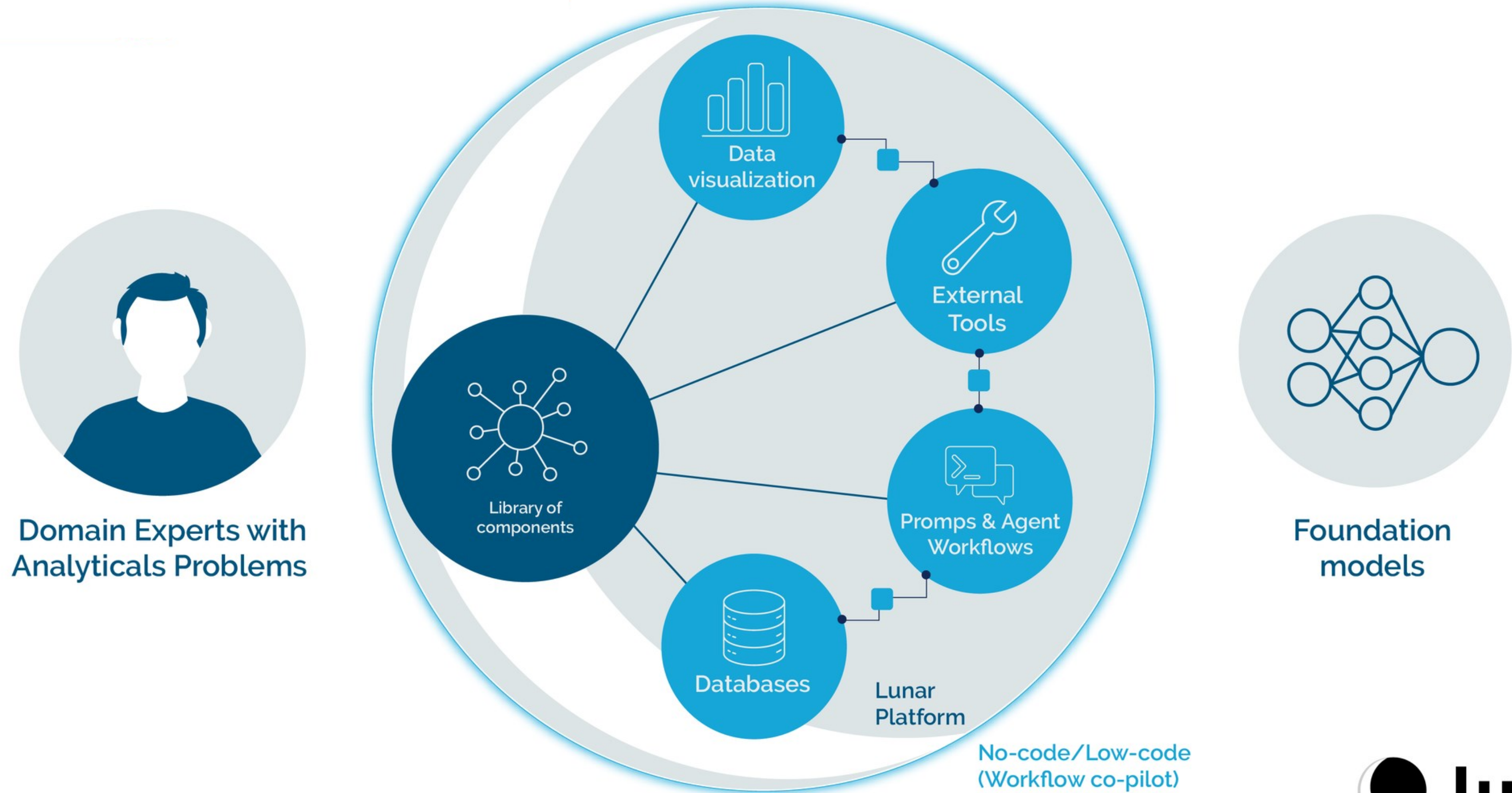
Lunar – a low code analytical agent builder

Five technical pillars



- Controlled reasoning;
- Multi-agent management;
- High usability for domain experts and analysts;
- Rich library of specialized components;
- Heterogeneous data interpretation.

GenAI Analytical Agents



Cases

- Demand forecasting requires the combination of disparate data and the discovery of correlations that can anticipate purchasing intent.
- Lunar has enabled the construction of an expert system for construction demands, combining data from different sources, enabling the creation of sales logic.

The VISIA logo is a white circle containing the word "VISIA" in a dark blue, sans-serif font.

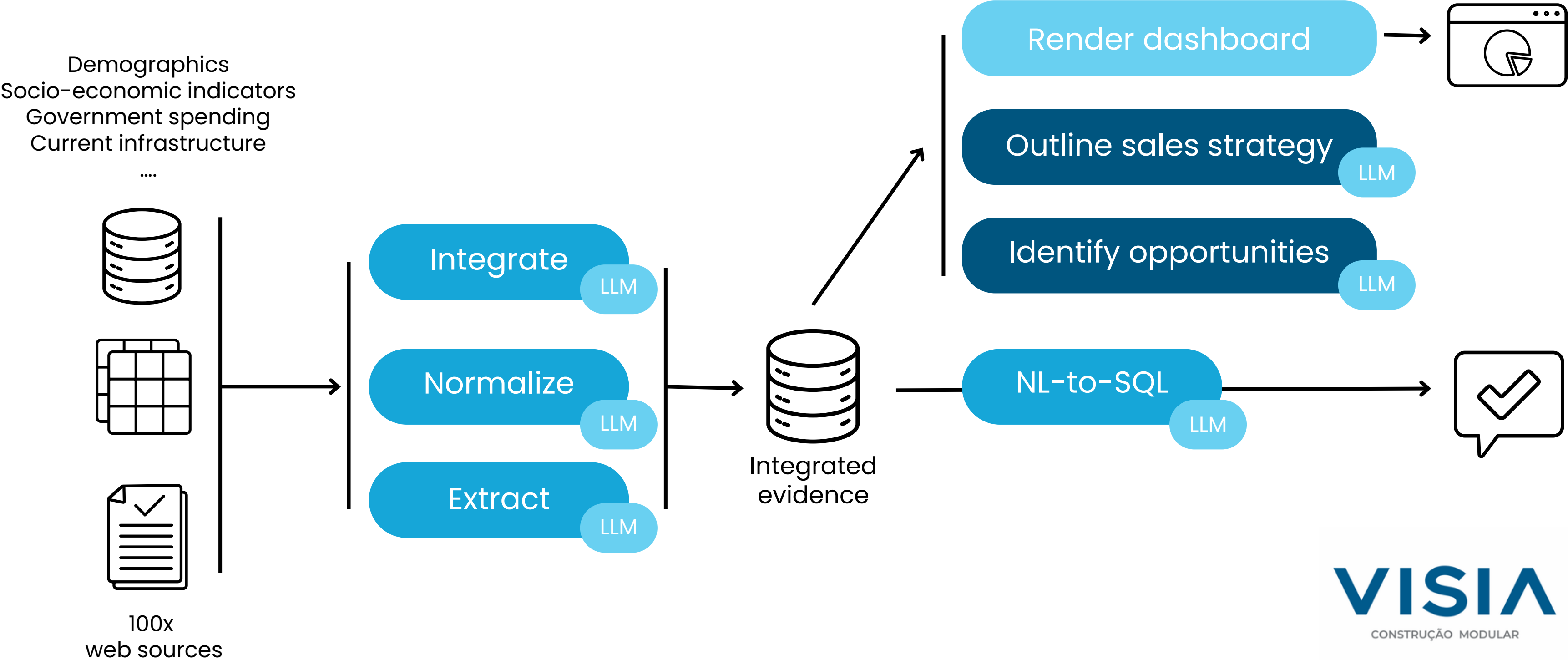
VISIA



- Messages in credit card fraud buying and selling groups help identify new schemes and strategies, enabling early action.
- Using AI analytical agents, Lunar identified fraudulent messages, allowing the analysis of thousands of messages that were previously processed manually.

Use case

Demand Forecast



Use case

Demand Forecast



Q: Which cities have a school or hospital deficit, with a growing demand, and a positive investment outlook?

Q: Which cities have a school or hospital deficit, with a growing demand, and a positive investment outlook?

Exibindo resultados para

Rio de Janeiro

Gerar PDF para impressão

Selecionar outro local

Indicadores Socioeconômicos e Educacionais

Uma visão abrangente dos aspectos socioeconômicos do município, com foco na demografia e educação da população.

Perfil Socioeconômico do Município

Município

Rio de Janeiro

UF

Rio de Janeiro

Área Total

1.200,329 km²

IDHM

0.799 - *alto*

PIB

359.634.753 mil (2022)

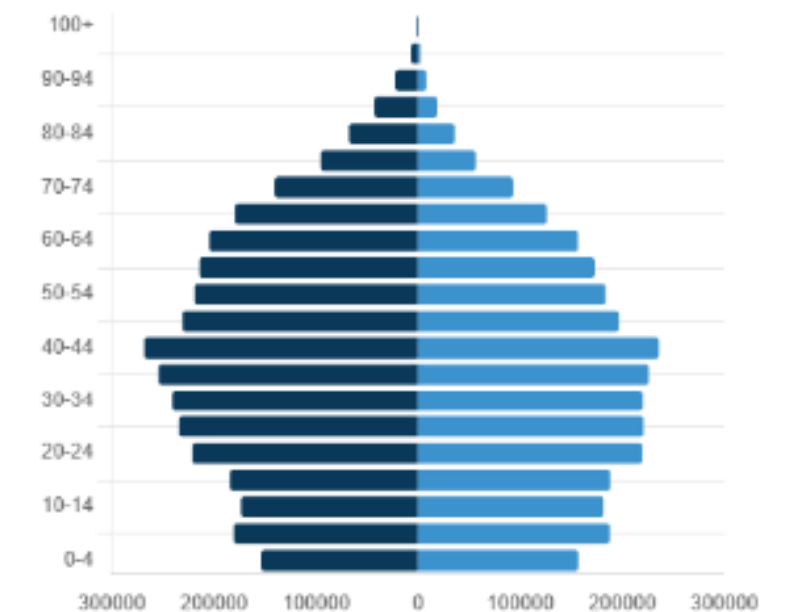
População Total

6.211.223 hab. (2022)

Número de Nascidos Vivos

65242 crianças (2022)

Pirâmide etária - 2022



Número de Nascidos Vivos por Ano



Número de Estudantes Matriculados na Educação Básica por Ano



Número de Estudantes Matriculados na Educação Básica por Faixa Etária

| Faixa etária | 2022 | 2023 | População |
|-----------------|---------|---------|-----------|
| 3 anos ou menos | 114.822 | 113.935 | 240.144 |

Consulta de Dados

[Exportar dados como CSV](#)[Dashboard](#)

what are the top5 richest cities in brazil?

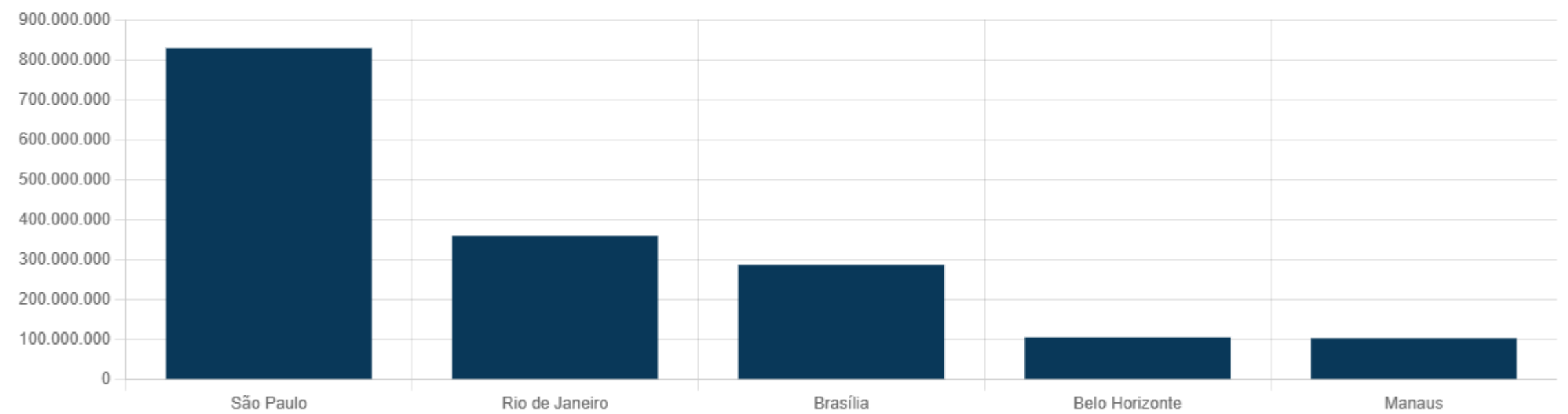
[Consultar](#)

| nome_municipio | piib_2021_mil_reais |
|----------------|---------------------|
| São Paulo | 828980608,00 |
| Rio de Janeiro | 359634753,00 |
| Brasília | 286943782,00 |
| Belo Horizonte | 105829675,00 |
| Manaus | 103281436,00 |

Talking with the data



draw a graphic



Here is the bar chart representing the GDP of the listed municipalities for the year 2021.

Talking with the data

Talking with the data



analyse the data



The data provided represents the Gross Domestic Product (GDP) in thousands of reais for five major municipalities in Brazil for the year 2021. Here is an analysis of the data:

1. São Paulo:

- GDP: 828,980,608,000 BRL
- São Paulo has the highest GDP among the listed municipalities, significantly higher than the others. This reflects its status as the economic powerhouse of Brazil, with a diverse economy that includes finance, commerce, services, and industry.

2. Rio de Janeiro:

- GDP: 359,634,753,000 BRL
- Rio de Janeiro has the second-highest GDP. The city's economy is driven by tourism, oil and gas, entertainment, and services. Despite being less than half of São Paulo's GDP, it still holds a significant economic position in Brazil.

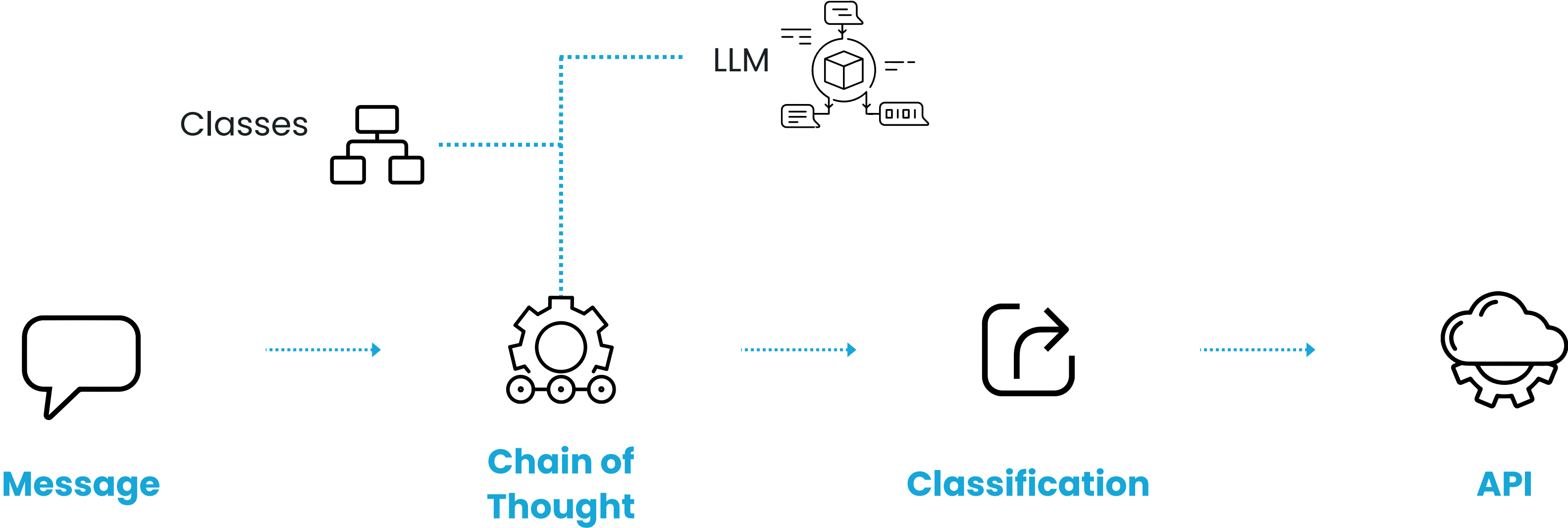
3. Brasília:

- GDP: 286,943,782,000 BRL
- Brasília, the capital of Brazil, has the third-highest GDP. The economy is primarily driven by public administration and services, given its role as the political center of the country.

4. Belo Horizonte:

- GDP: 105,829,675,000 BRL
- Belo Horizonte has the fourth-highest GDP. The city's economy is diversified, with strong sectors in services, commerce, and industry, particularly mining and metallurgy.

Case: Fraud Detection



Message

“Declined ❌

Card:

5526374299255342|02|2026|128

Gateway: Braintree Auth

Response: RISK: Retry this BIN later.

Info: MASTERCARD – CREDIT – BUSINESS

Issuer: BANCO DO ESTADO DO RIO GRANDE DO SUL S.A. (BANRISUL S.A.)

Country: BRAZIL BR

Time: 6.81 seconds"

Classification

Vazamento de Cartão

Justification

A mensagem contém dados de cartão de crédito no formato
XXXXXXXXXXXXXXXXXX|YY|ZZZZ|AA
A, o que se encaixa claramente na definição de 'Vazamento de Cartão'.

Precision

High

Projects using Lunar



raízen



ClearSale



FUJITSU



VISIA
CONSTRUÇÃO MODULAR

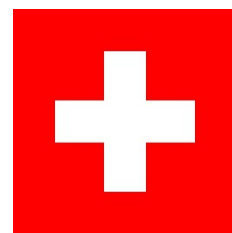


Partners



About us

Lunar is a spin-off from the IDIAP Research Institute in Switzerland, delivering a low code platform to create expert agents and expert systems with generative AI.



Martigny, Valais



Rio de Janeiro and Sao Paulo, Brazil

We are currently in
Brazil and Switzerland

Founding team



André N. Freitas, PhD
Research & Product Lead

- **Leading** expert in Natural Language Inference;
- **20 years** experience in CS;
- **15 years** in AI/NLP;
- **> 150 publications** in AI;
- **Research** Group Leader IDIAP (CH);
- **Associate Prof.** University of Manchester (UK);
- **PhD** in Computer Science (Galway University).



Marcos C. Martins, MsC, MBA
Management Lead

- **Entrepreneurship** expert;
- **20 years** business analysis;
- **15 years** developing and growing businesses;
- **Director** of Coppe Incubator;
- **Partner** of Bunker.vc (Venture Builder);
- **MsC** in Production Eng. – Federal Univ. Rio de Janeiro.



Alex T. Bogatu, PhD
Technology Lead

- **AI & Data** expert;
- **12 years** in software engineering;
- **8 years** in AI and databases research and IT management;
- **Leader** of AI projects in cancer diagnosis and information retrieval;
- **PhD** from the University of Manchester



Danilo G. Miranda
Lead Developer

- **Full Stack** Software Engineer;
- **Apple** Developer Academy alumnus;
- **Diversified** experience in sw development across multiple sectors and domains;
- **Computer Science** and Engineering degrees from UNICAMP.

Thank You

