

Sample Questions to test Emma Analytics

What Data Is Available in This Prototype

The prototype uses a **PostgreSQL (SQL) database** containing **10,000 synthetic records**.

Each record represents a journal entry approval request and includes information such as:

- Employee (submitter)
- Supervisor or approver
- **Status** (approved, rejected, pending)
- Workflow stage
- **Dates and timestamps**
- Time spent in each stage
- Amount
- Organizational attributes (site, business unit, etc.)

EMMA can only answer questions based on this data.

🕒 Time Coverage and Key Assumptions

This is **very important** for using the prototype correctly.

The dataset covers a **fixed time period**:

September through December 2025

All questions should reference a **time period**, for example:

- A single month (e.g., October 2025)
- Multiple months (e.g., October–December 2025)
- The full period (September–December 2025)

If a question refers to a period outside this range, EMMA will say that the **data is not available**.

❓ Sample Questions to Try

These questions are **aligned with the data** and guaranteed to work.

Volumes and Status

- "How many journal entry requests were **submitted in October 2025?**"
- "How many requests were pending approval in November 2025?"

Approvals and Rejections

- "What percentage of requests were **rejected between September and December 2025?**"
- "Which supervisors approved the most requests in December 2025?"

Time and Bottlenecks

- "What was the **average approval time** in November 2025?"
- "Which workflow stage took the longest on average in October 2025?"

People and Organization

- "Which employees submitted the **most requests** in September 2025?"
- "How did approval times differ by **business unit** between October and December 2025?"

How to Validate EMMA's Answers

You can validate EMMA's responses by:

- Opening the **provided dataset**
- **Filtering** by the same time period and fields
- Comparing counts, averages, and totals

This confirms that answers come **directly from the data**, not assumptions.

How to Test the Prototype (Required Sequence)

Please follow this **sequence exactly**.

Step 1: Ask a Question

Ask a specific analytics question, including a **time period**.

Example:

"How many journal entry requests were approved in October 2025?"

EMMA will return a **direct answer**.

Step 2: Request a Chart

After receiving the answer, ask EMMA to:

"Create a chart for this."

The chart will appear in the interface based on the **previous answer**.

Step 3: Request an Email Report

After the chart is created, ask EMMA to:

"Create a report and send it by email."

The report will include:

- The answer
- The chart
- **Structured results**