

InsureBot Performance Report

Retrieval Accuracy@5: 20.00%

Average Response Time: 0.038 seconds

Sample Input/Output:

Sample Query: what are the types of insurance?

Top Retrieved Chunks:

3. Immediate/Emergency Financial Needs/Medical emergency and hence not paying premiums

- Specific due dates by which premium needs to be paid, and on your not paying premium, life insurance worth Rs. 10,00,000 is has been reduced to NIL

Suggest the customer to pay the premium by credit card

After paying the current outstanding amount and reviving the policy you can switch to half-yearly, quarterly or monthly frequency for future premiums (right now the customer will have to pay full outstanding amount and this option can be only applied from next premium onwards)

Only applicable if policy has completed 5 years You have the option of partial withdrawal to address your emergency needs

Premium Amount - 100000

Premium Frequency - Yearly

Sum Assured - 1000000

Policy Term - 10 years

Premium Payment Term - 7 years

Due Date - 25th September 2024

Fund Value - 553089

Premium paid till date - 400000

Growth @ 8% - Pay all premium and stay till end - 1184000, Effective Returns - 7.73%, Charges - 1.61%, Pay 1 and stay - 1036844

Growth @ 4% - Pay all premium and stay till end - 972576, Effective Returns - 4.78%, Charges - 1.46%, Pay 1 and stay - 840104

Historical Growth (17.33%) - Pay all premium and stay till end - 1999690, Effective Returns - 15.60%,

How it works:

1. User submits a query via the chat interface or this script.
2. The system embeds the query and retrieves the most relevant knowledge chunks using FAISS.
3. The retrieved context is sent to a language model to generate a grounded, accurate answer.
4. The answer is returned to the user in real time.

Efficiency Summary:

- The system achieves 20.00% retrieval accuracy on sample queries.
- Average response time per query is 0.038 seconds.
- The retrieval process is efficient and suitable for real-time applications.

Response Time Graph:

