

Datathon 2025 Challenge

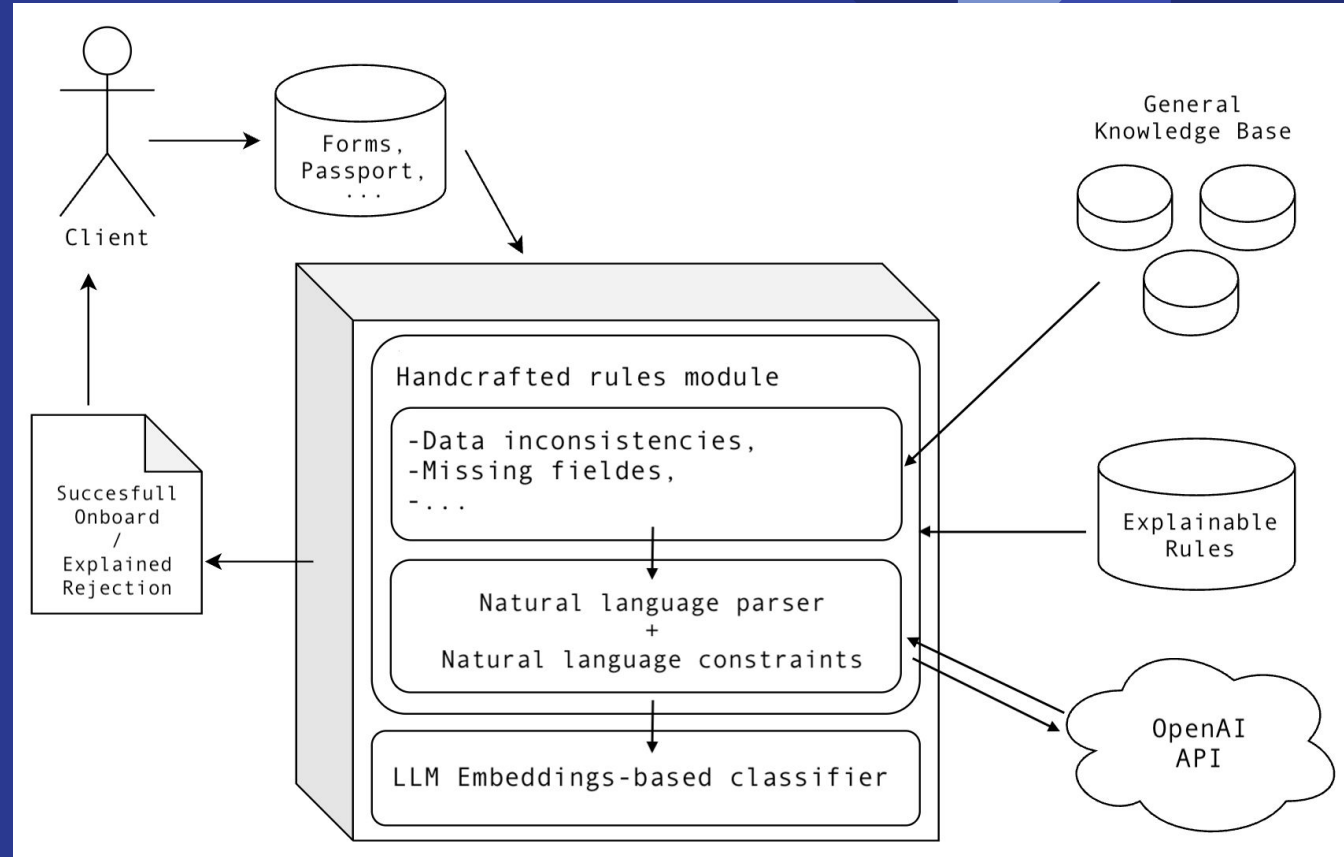
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Considerations for Flagging Clients

- Explainability of rejection reasons
- Usage of LLM powered solutions to address subtle cases
- Avoid incorrectly flagging consistent Clients for client relations
- Scalability

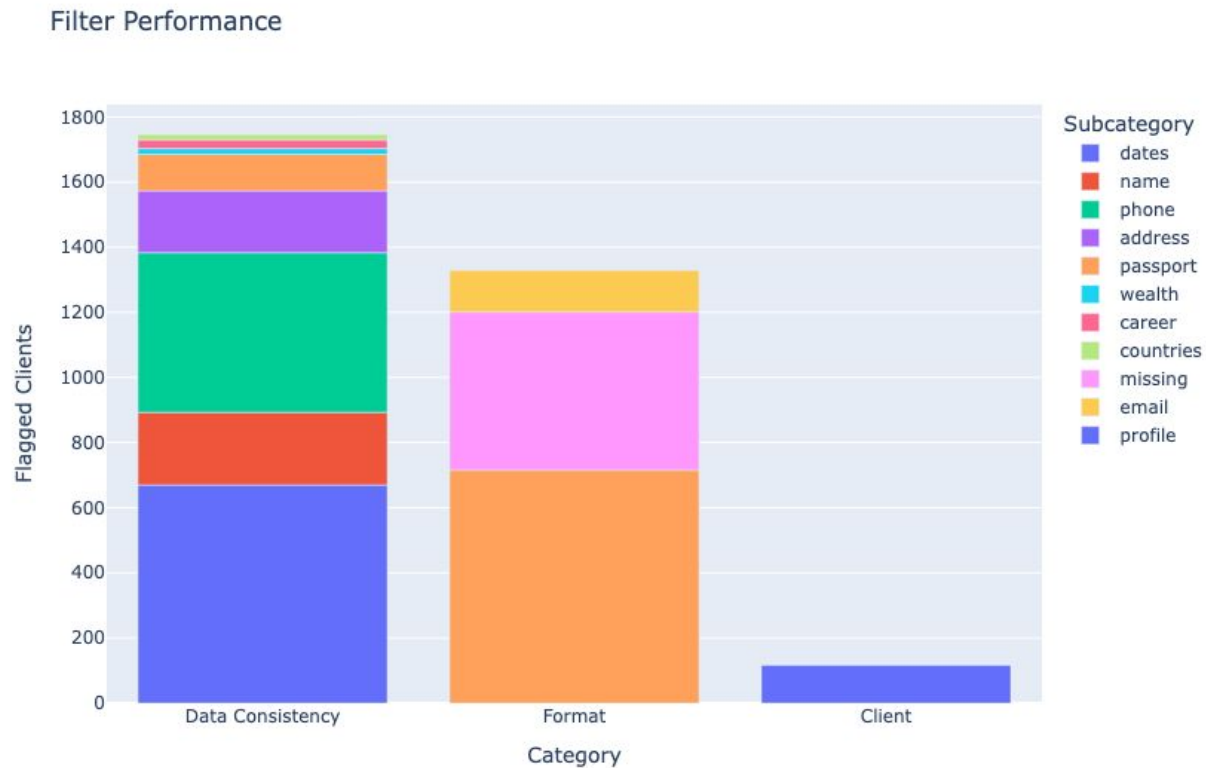


- 1) Fully explainable rules
- 2) Rules on top of natural language parser
- 3) LLM Embeddings based classifier



Results

- **94.5% accuracy**



Results



Conclusions

- Core of the framework is based in explainable rules
 - Provide explanation to client
 - Cannot overfit since rules are semantically correct by construction
- LLMs to handle more complex cases
- High confidence in rejections, very suitable to manage client relationships
- Estimate generalization accuracy of 94.5%
- Could be combined with more methods to prevent accepting inconsistent clients

Thank You For Your Attention! :-)