

A Voz da Arte – Making Off

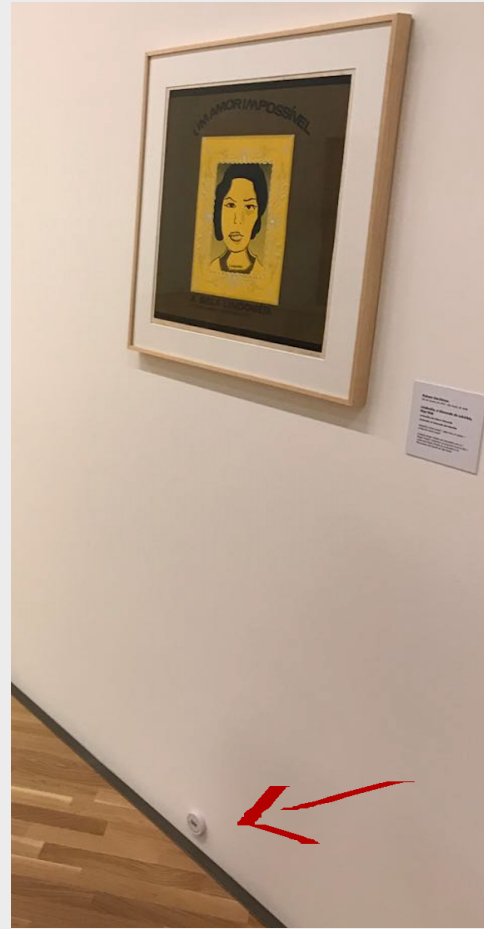
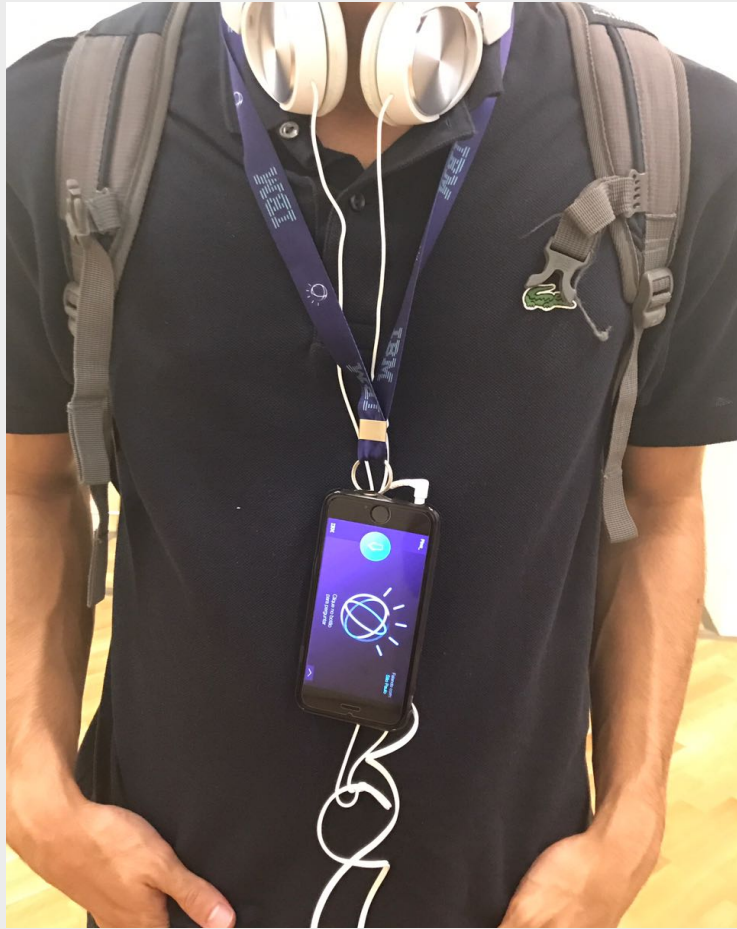
Watson

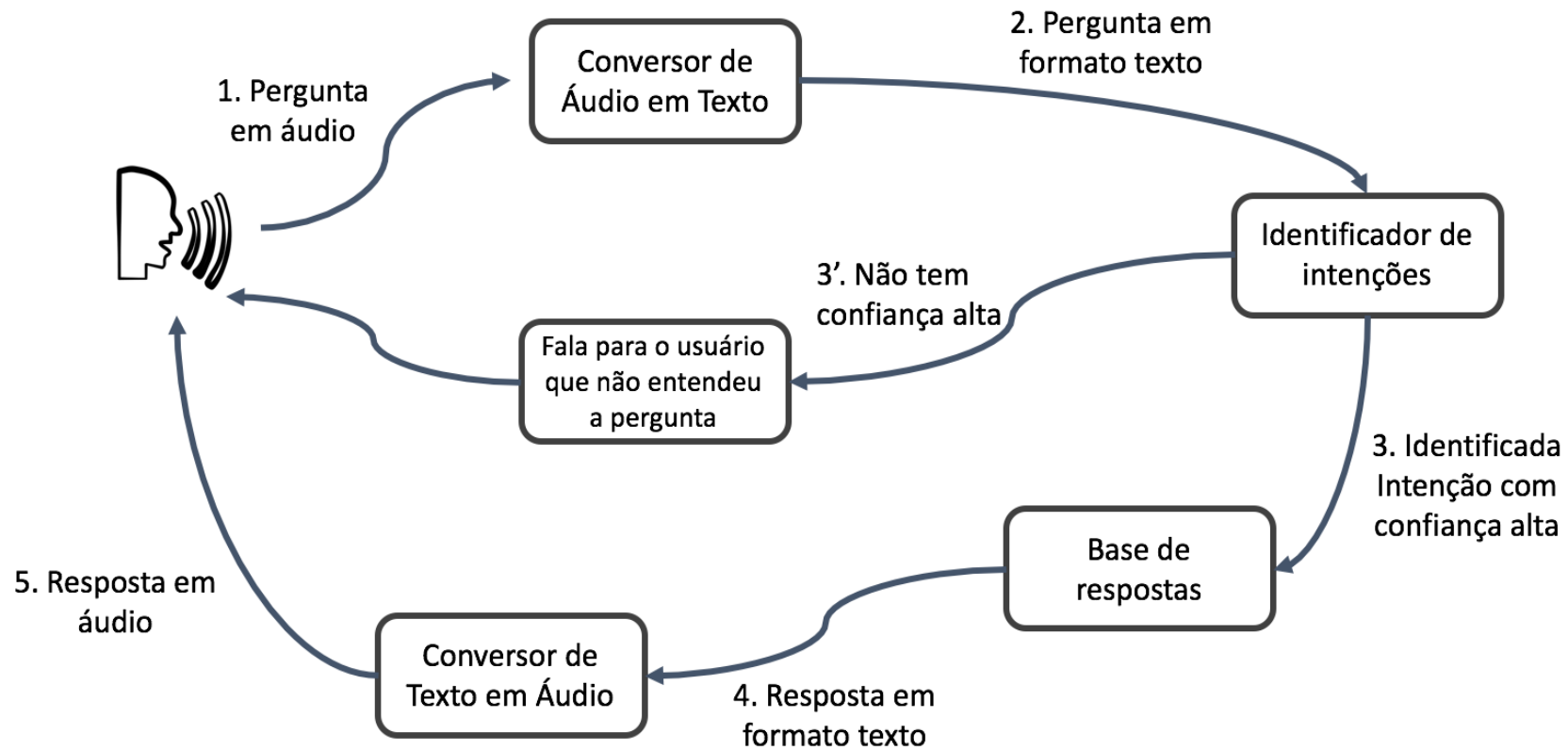
Fabício Barth e Marco A. B. Cardoso

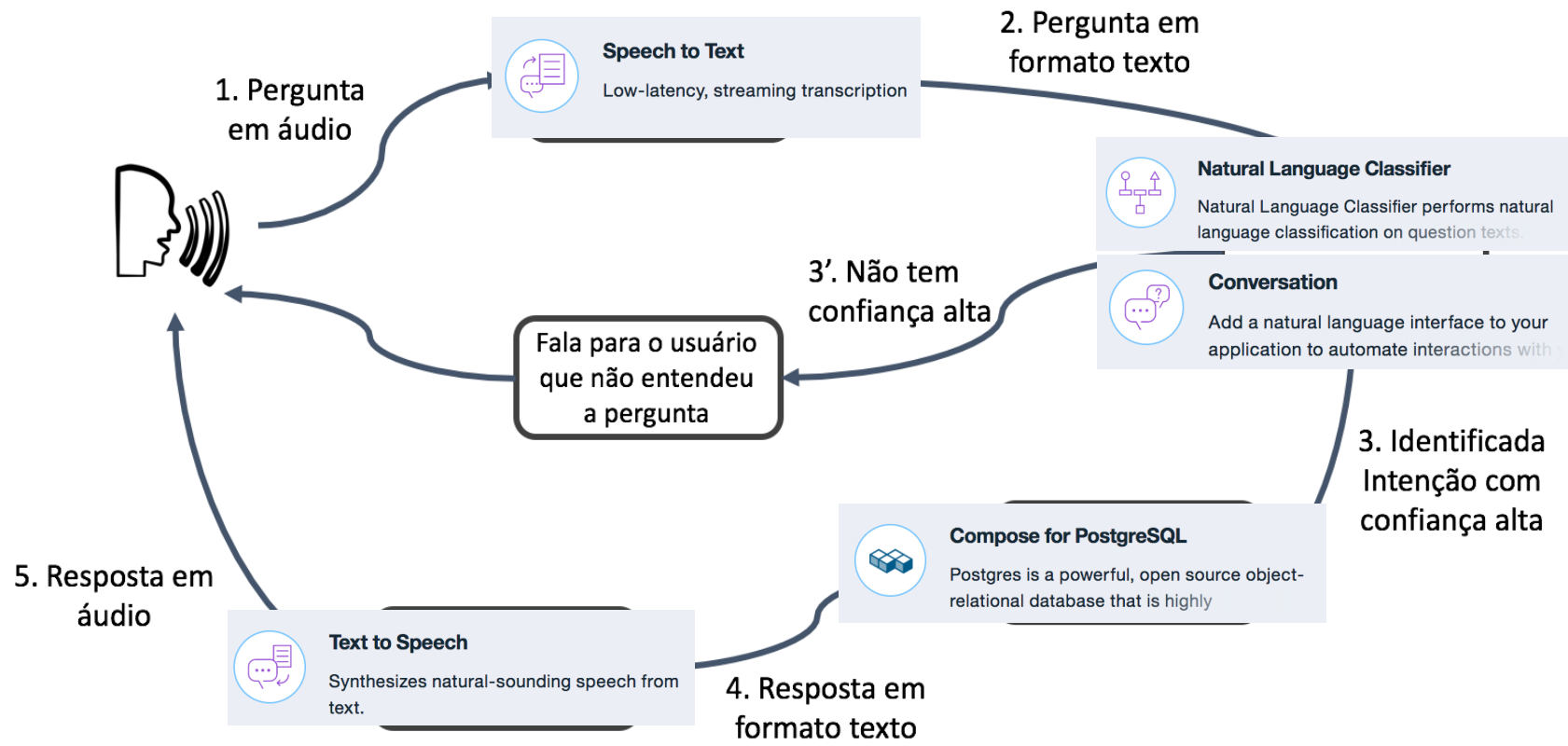
fbarth@br.ibm.com

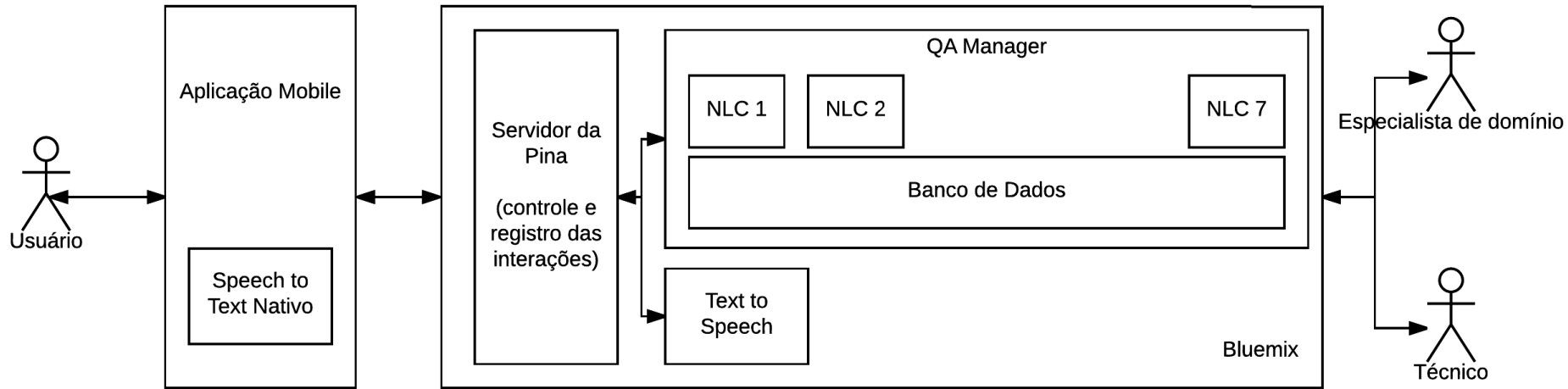
mbigelli@br.ibm.com











Speech to Text

Low-latency, streaming transcription



Text to Speech

Synthesizes natural-sounding speech from text.



Natural Language Classifier

Natural Language Classifier performs natural language classification on question texts.



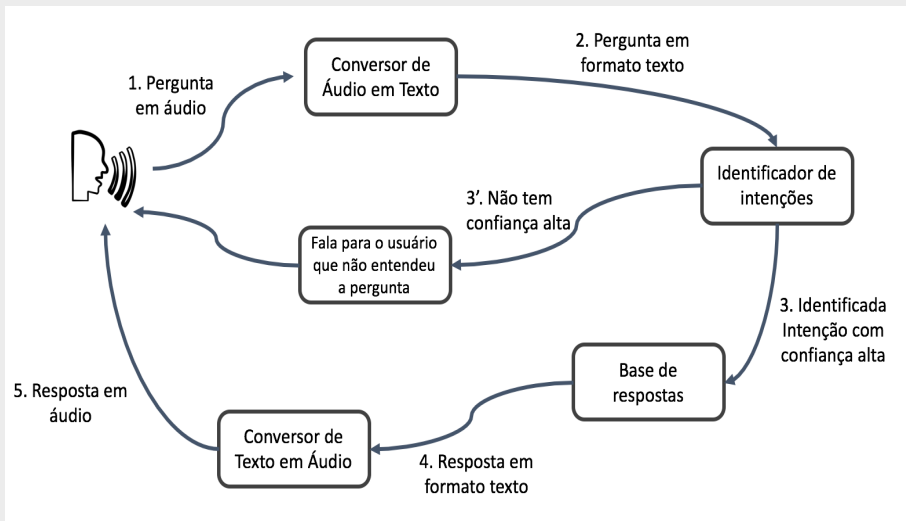
Conversation

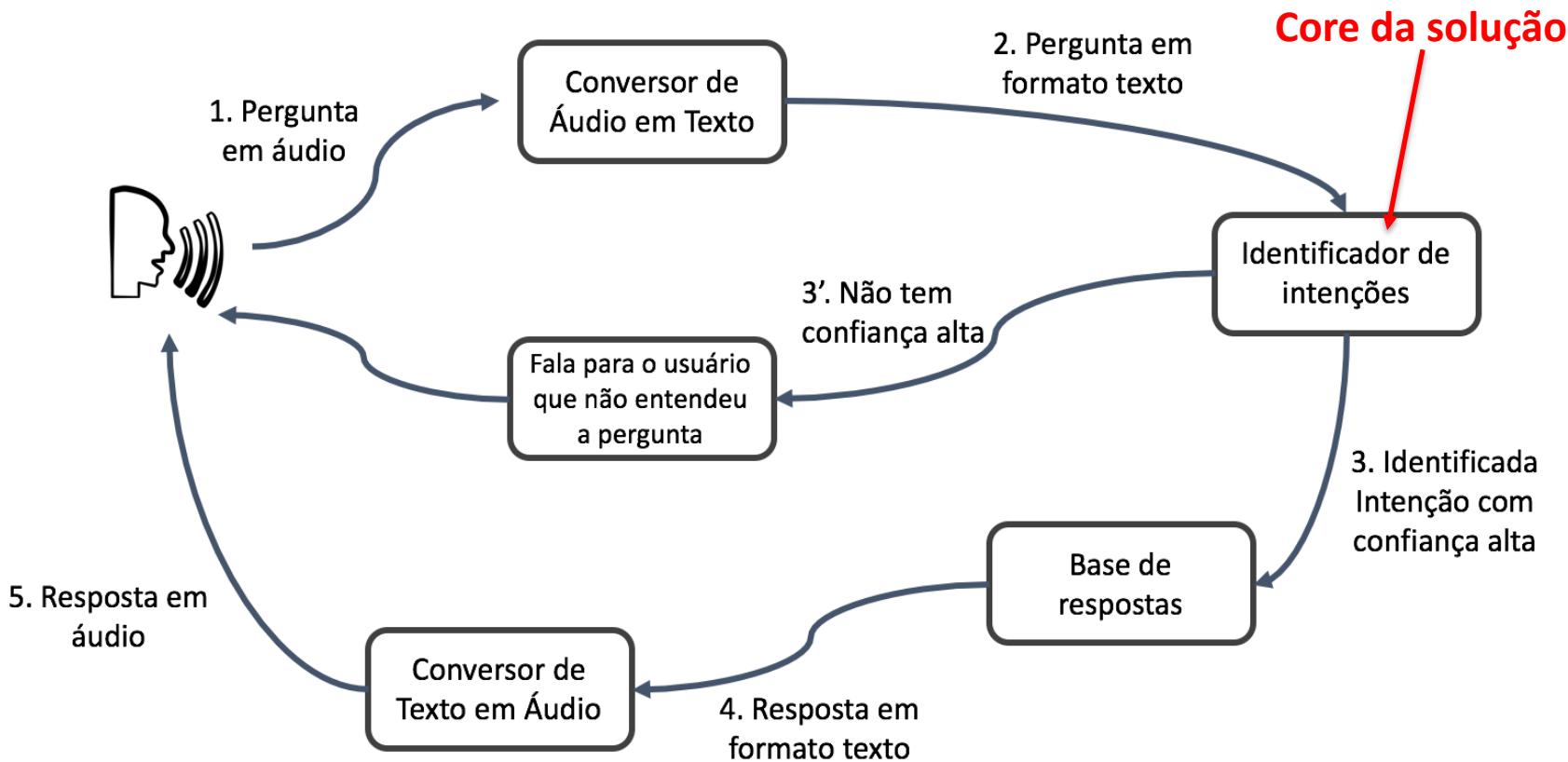
Add a natural language interface to your application to automate interactions with



Compose for PostgreSQL

Postgres is a powerful, open source object-relational database that is highly

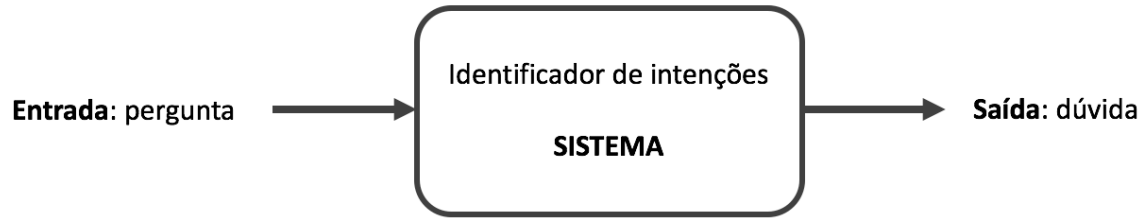




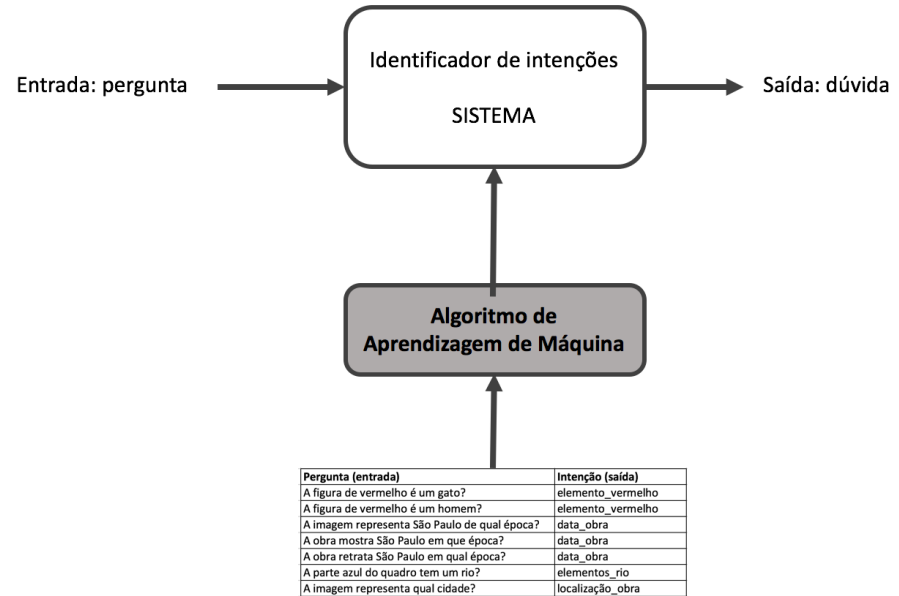


Como desenvolver um sistema capaz de entender toda e qualquer pergunta sobre esta obra de arte e fornecer a melhor resposta para a maioria das perguntas?

Método tradicional para desenvolvimento de software



Método usando aprendizagem de máquina



Atividades:

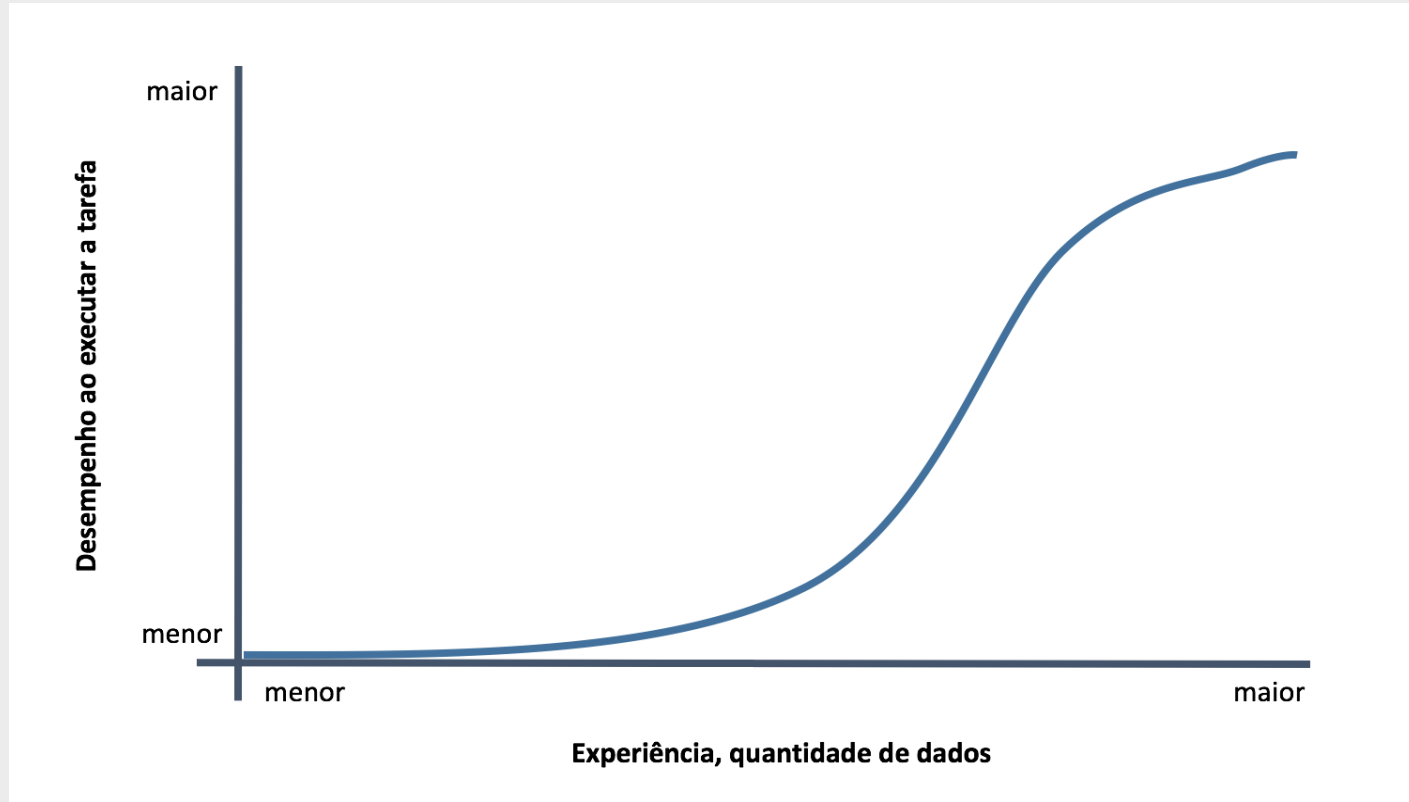
1. Configurar um conversation para responder dúvidas sobre o quadro São Paulo baseado neste arquivo <https://goo.gl/Cc9zsF>;
 1. Fazer alguns testes via tooling do Conversation;
 2. Fazer alguns testes via API;
2. Conectar um aplicativo mobile com o conversation;

Atividades:

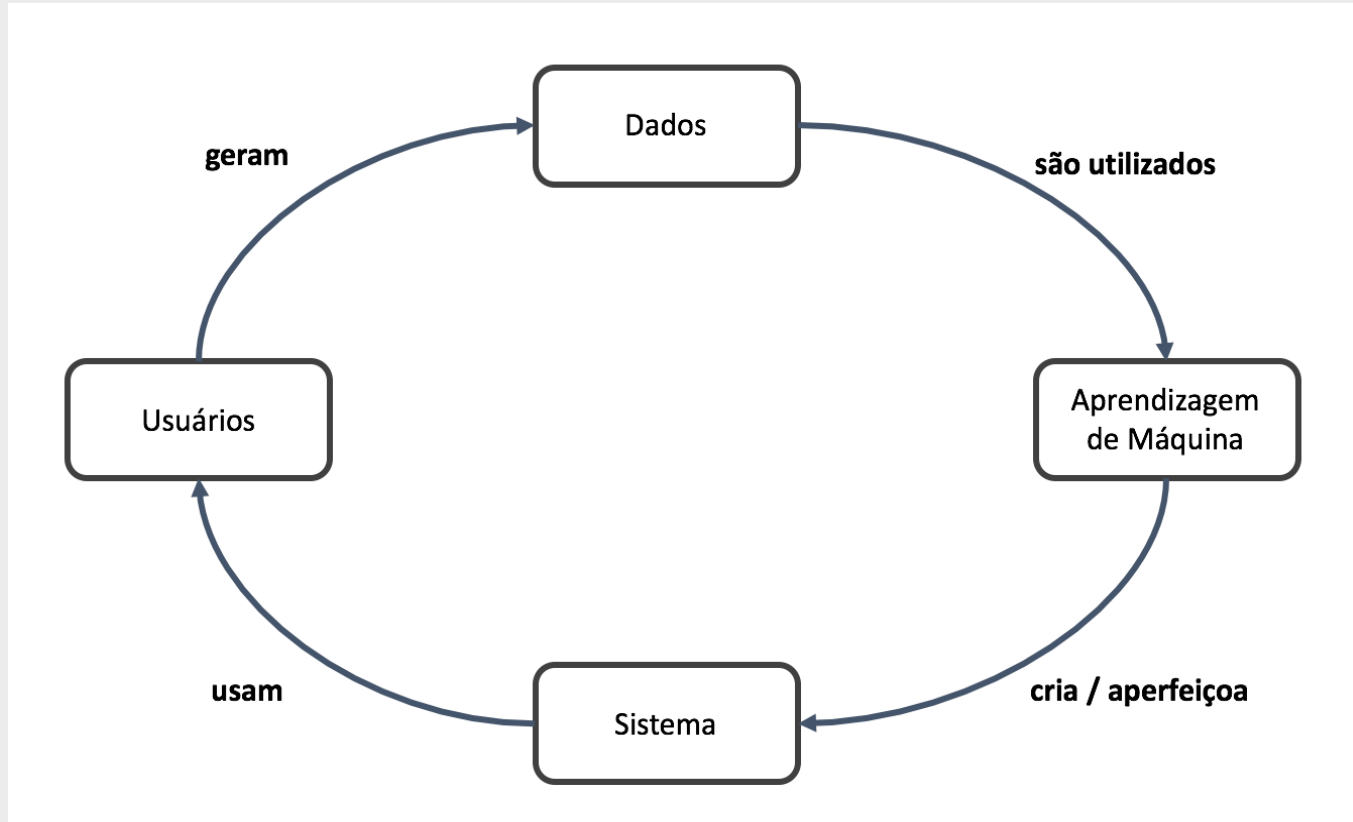
1. Configurar um conversation para responder dúvidas sobre o quadro São Paulo baseado neste arquivo <https://goo.gl/Cc9zsF>;
2. Conectar um aplicativo mobile com o conversation;
3. **Configurar um conversation para responder dúvidas sobre o quadro Abaporu da Tarsila do Amaral**



Alguns aspectos importantes sobre o desenvolvimento de aplicações baseadas em Aprendizagem de Máquina



Alguns aspectos importantes sobre o desenvolvimento de aplicações baseadas em Aprendizagem de Máquina



Referências

- Watson Developer Cloud: <https://www.ibm.com/watson/developercloud/>
- Watson Developer Cloud no GitHub: <https://github.com/watson-developer-cloud>
- Bluemix: bluemix.net (<https://console.ng.bluemix.net>)
- API Reference do Conversation: https://www.ibm.com/watson/developercloud/conversation/api/v1/#send_message
- Watson API Explorer do Conversation: <https://watson-api-explorer.mybluemix.net/apis/conversation-v1#!/message/message>
- A Voz da Arte | IBM Watson: <https://www.youtube.com/watch?v=WLVi5ePu36E&t=2s>
- Alguns detalhes técnicos e desafios do projeto: A voz da arte - IBM | Watson:
<https://www.linkedin.com/pulse/alguns-detalhes-t%C3%A9cnicos-e-desafios-do-projeto-voz-da-fabr%C3%ADcio-barth>