



Database Chatbots

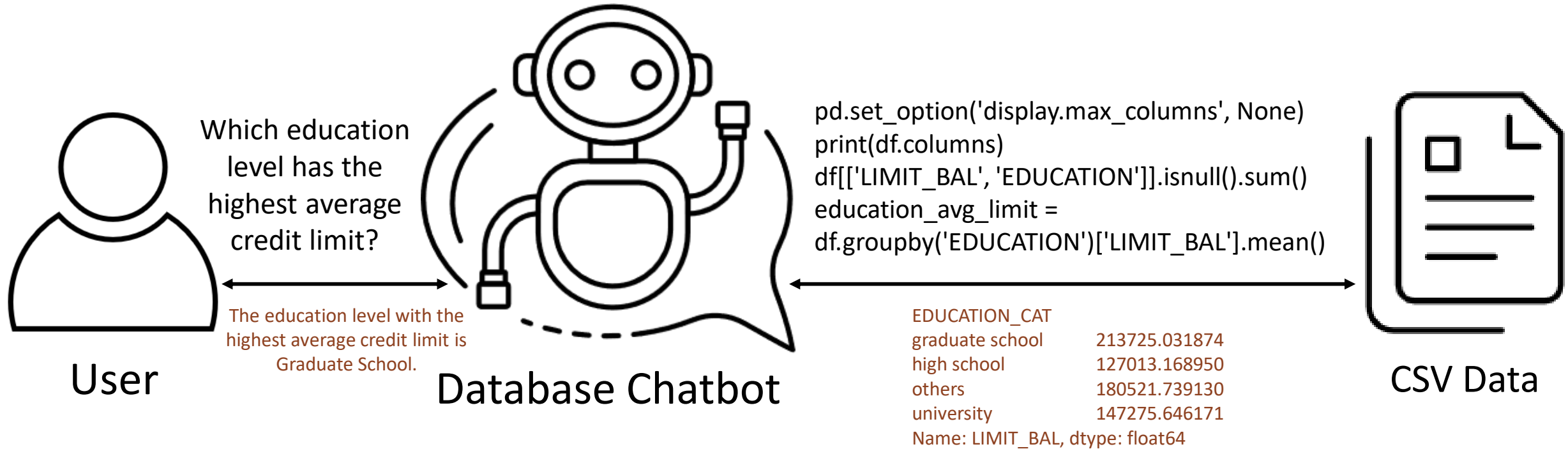
by Alina Yildir

This project aims to build AI agents that interact with databases using natural language. The agents simplify the querying and extracting insights from various datasets, enhancing the efficiency of data-driven decision-making.

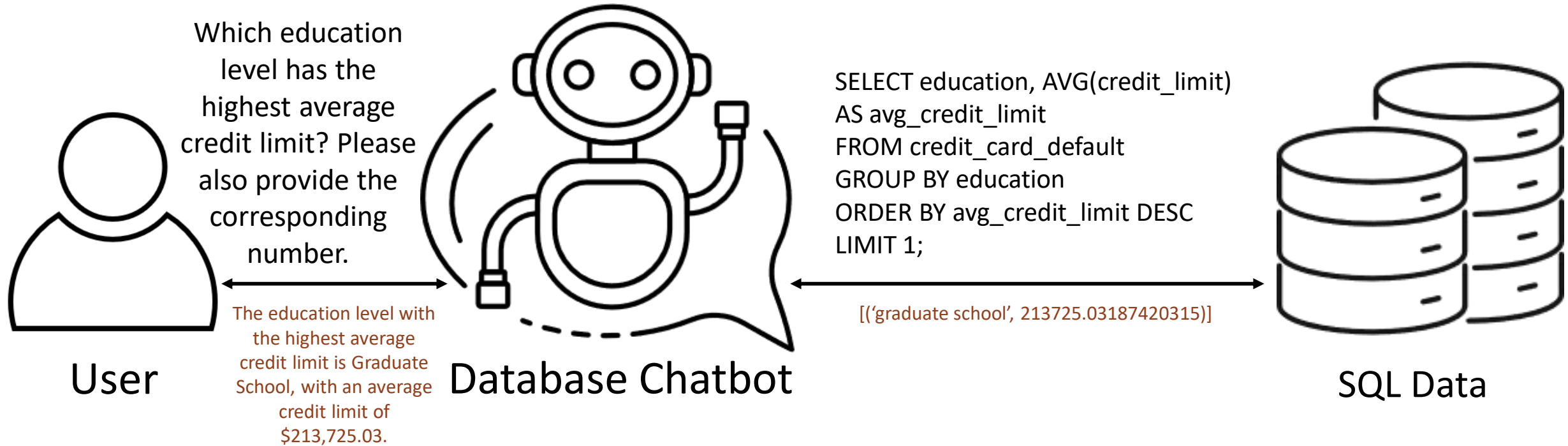
Filename	Description
basic_chatbot.py	Contains the script for a basic chatbot handling general inquiries using the OpenAI API for natural language processing.
csv_database_chatbot.py	Implements a chatbot that interacts with CSV files via a Streamlit interface, enabling users to query and extract insights from CSV data.
sql_database_chatbot.py	Provides a chatbot interface for querying SQL databases, simplifying database interactions through natural language.
helper.py	Contains helper functions that facilitate database interactions, including connection handling and query execution.
func_call_sql_db_chatbot.py	Implements function-calling capabilities for SQL queries, enhancing the chatbot's ability to perform complex database operations.
assis_api_sql_db.py	Integrates the OpenAI API to provide advanced assistance for SQL database interactions, allowing for more intuitive and efficient querying.
requirements.txt	Lists the project dependencies necessary for the chatbot scripts to function, including libraries for database interaction, natural language processing, and web interfaces.

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Database Chatbots: Interacting with CSV Data



Database Chatbots: Working with SQL Data





Thank You!
