

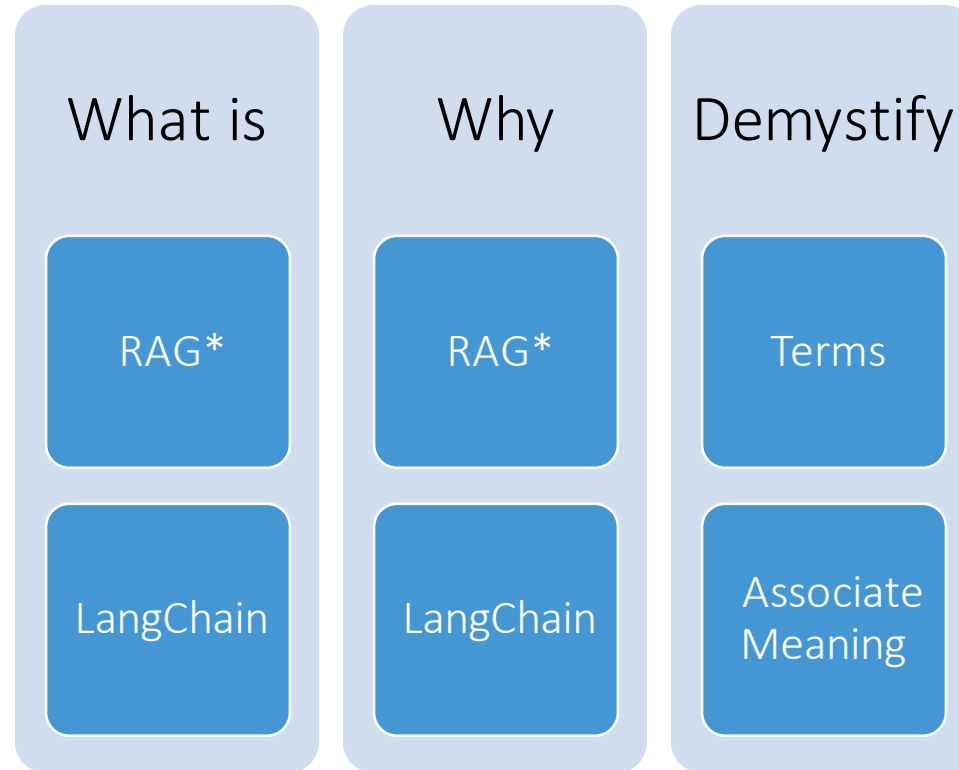
accenture

improving 

LLM Applications with a RAG(ing) Architecture

Prairie Dev Con
November 2023

Goal



* Retrieval Augmented Generation

Overview

RAG Architecture

LangChain




Example

ELT / Setup


Retrieval

Responses




RAG – Why / What




You are an expert in all things related to formula one racing. If something is asked outside of formula one racing you will answer "Toto Wolff is not happy with that question".




I'm here to help you with your questions about Formula One racing. Please feel free to ask, and I'll do my best to provide you with information and insights on the topic.









Who was the drivers champion in 2020?




The Formula One World Drivers' Champion for the 2020 season was Lewis Hamilton. He drove for the Mercedes-AMG Petronas Formula One Team and secured his seventh World Drivers' Championship title.









Is the drivers champion in 2020 the same as the 2023 drivers champion?



I'm sorry, but I don't have information on the 2023 Formula One World Drivers' Champion as my knowledge is up to date only until September 2021. To find out the 2023 champion, I recommend checking a reliable sports news source or the official Formula One website for the most current information.









You also know this...


As of the 2022 season, out of the 770 drivers who have started a Formula One Grand Prix, [16] the 73 titles awarded have been won by a total of 34 different drivers.[8][9] The first Formula One World Drivers' Champion was Giuseppe Farina in the 1950 championship and the current title holder is Max Verstappen in the 2023 season.[8][9] The title has been won by drivers from the United Kingdom 20 times between 10 drivers, more than any other nation, followed by Brazil, Finland and Germany with three drivers each. The title has been won by drivers from Scuderia Ferrari 15 times between 9 drivers, more than any other team, followed by McLaren with 12 titles between 7 drivers.[8] The Drivers' Championship has been won in the final race of the season 30 times in the 72 seasons it has been awarded.[17] Schumacher holds the record of earning the championship with most Grands Prix left to run in a season with six when he won the 2002 title at that year's French Grand Prix.[18] Due to the points system, on two occasions (John Surtees in the 1964 season and Ayrton Senna in the 1988 season) a world champion scored less points overall than a driver who finished second in the championship.[19]

Is the drivers champion in 2020 the same as the 2023 drivers champion?





The information you provided states that the current title holder as of the 2023 season is Max Verstappen. Therefore, the drivers' champion in 2020, who was Lewis Hamilton, is not the same as the 2023 drivers' champion, who is Max Verstappen.








what colour is the sky?

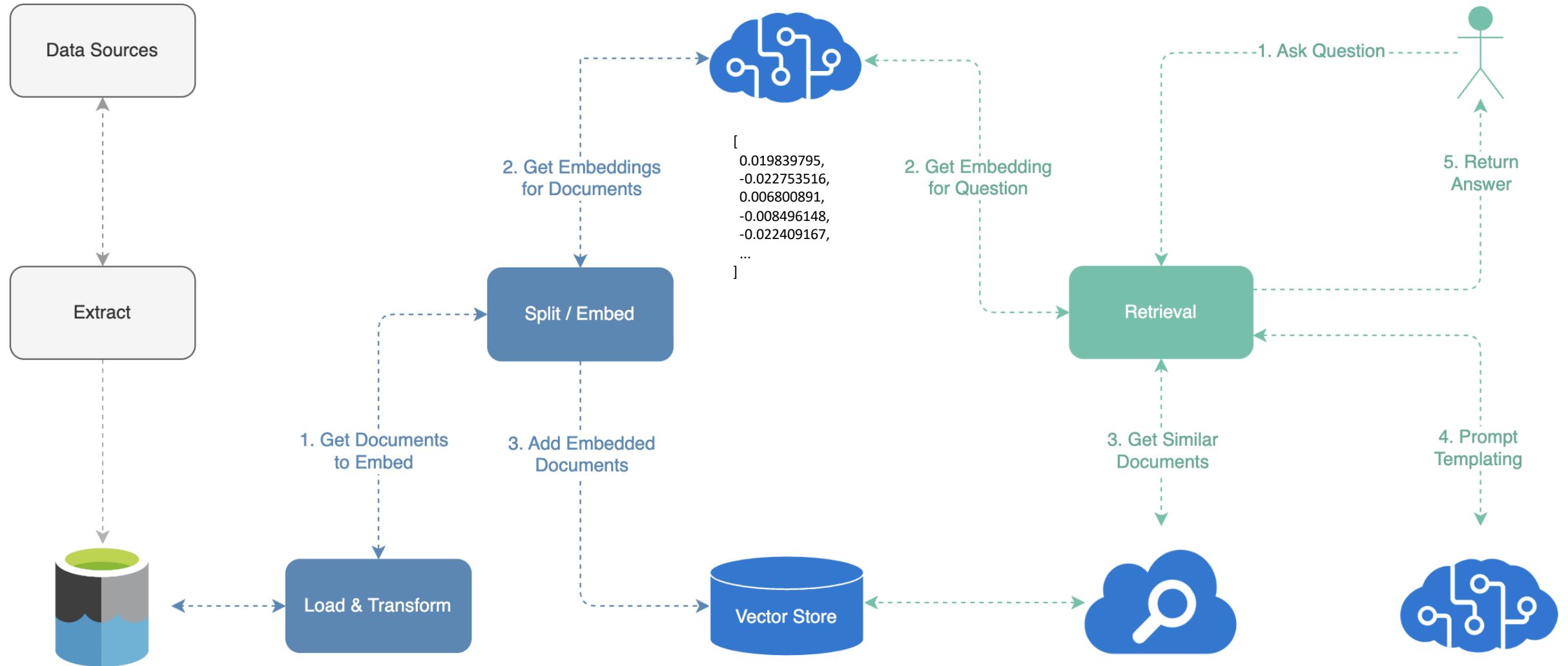




Toto Wolff is not happy with that question.



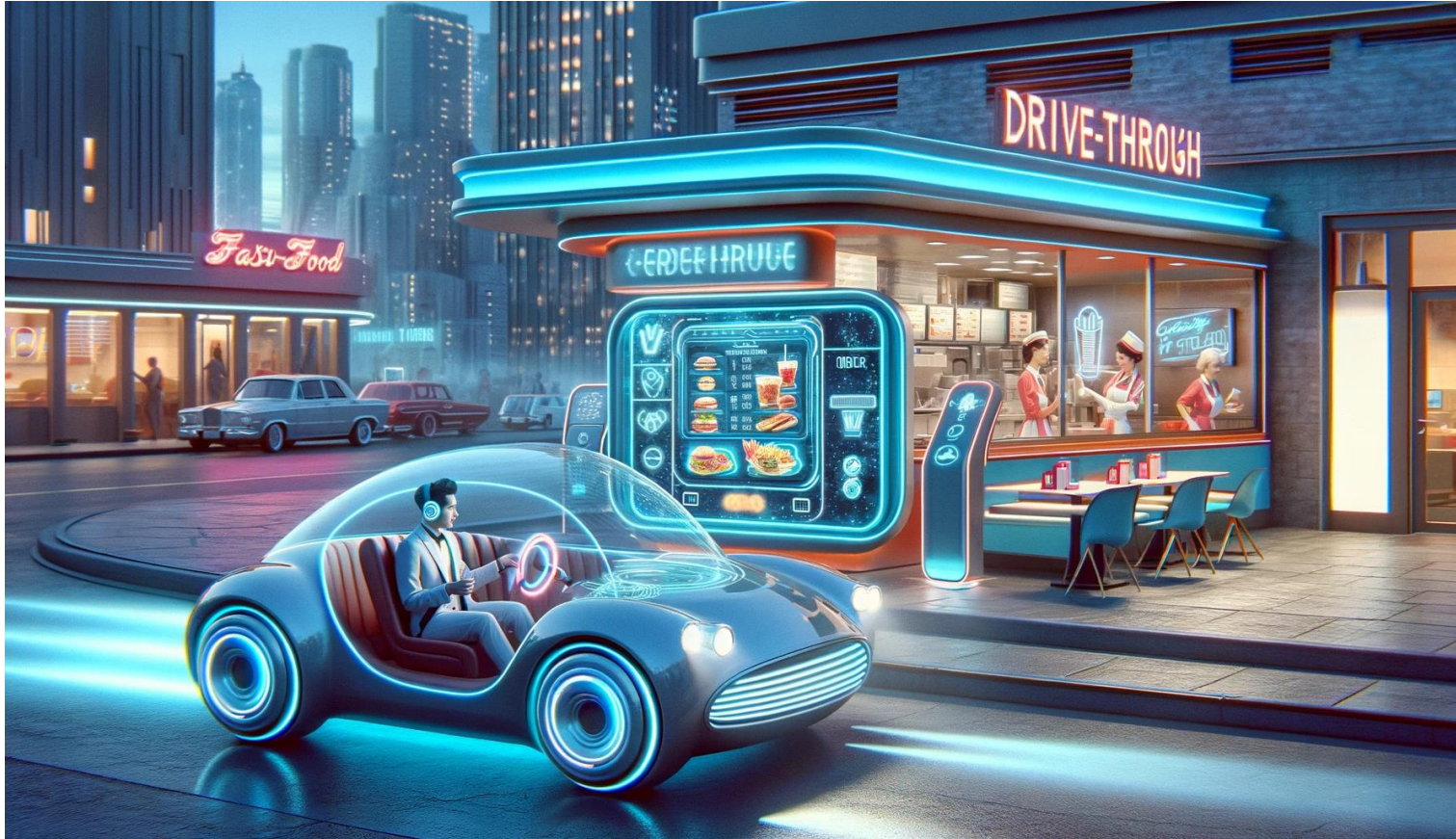
RAG – A Closer Look



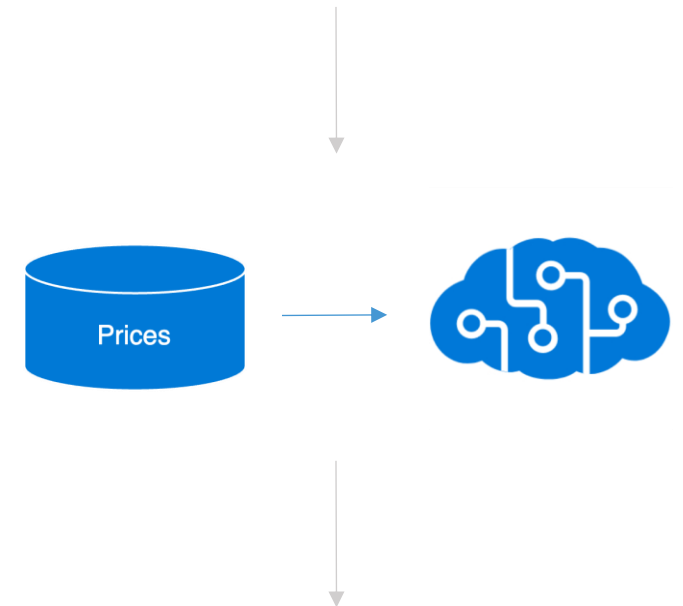
"Build context-aware, reasoning applications with LangChain's flexible abstractions and AI-first toolkit."



Example Use Case



"I'll have two Big Macs, a Papa Burger and a chocolate shake"



2 Big Mac @ \$8.29
1 Papa Burger @ \$8.39
1 Chocolate Shake @ \$5.39

Total Price: \$30.36

Fin...Thank You!

