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HW 6

1. The knowledge base first starts with a web crawler getting urls starting from a google search of "Rian Johnson". Then the text from each url is scraped and put in a text file for each website. Then each file is read and split into sentences and is outputted to another text file. Then the program goes through each file and records the frequency of each word. Using the top 25 words, I chose the 10 most important words. I then go through IMDB and Wikipedia to find facts for the knowledge base.

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Facts
film : ['Joseph Gordon-Levitt is in all his movies, either as a character or shows up in a cameo', 'He usually shoots in 35mm film']
director : ['Rian Johnson was inspired to become a film director after seeing Annie Hall', 'He directed a music video for the Mountain Goats after the band found out that they were referenced in Brick']
loopier : ['The script was featured on the 2010 Blacklist; a list of the most liked unmade scripts of the year', 'Rian Johnson has been developing this movie since 2002']
jedi : ['The Porgs species in the films were created because Puffins kept getting into the movie', 'The movie was so well recieved in Lucasfilm, he was invited to direct a new trilogy for Star Wars']
knives : ['Rian Johnson came up with the idea of Knives Out after making Brick', 'The movie is based of of Agatha Christie mysteries']
critics : ['He is married to Karina Longworth, a movie writer and critic', 'He directed Ozymandias, and many critics said that it's one of the best episodes on television']
september : ['Looper was released on September', 'Knives Out was shown in September during TIFF']
episode : ['He directed 3 episodes of Breaking Bad, including Ozymandias', 'He wrote an episode for Joseph Gordon-Levitt's show HitRecord']
brick : ['The film's use of language is inspired by Dashiell Hammett novels', 'Cowboy Bebop influenced the movie']
johnson : ['He is in a folk band with his brother Nathan Johnson', 'He plays banjo and sings with his brother in their folk band']
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2.

Hello, I'm Johnson-Bot, a chatbot that only talks about Rian Johnson! What is your name?

Hello, I'm Josh.

Hi Josh, do you like Looper?

I haven't watched that movie.

Looper is a good movie. Did you know that [Looper Fact]?

I didn't know that!

Hello, I'm Johnson-Bot, a chatbot that only talks about Rian Johnson! What is your name?

Hello, I'm Danny.

Hi Danny, do you like Knives Out?

Yes, it was a great movie!

I like that movie too! A similar Rian Johnson movie is Brick.

I don't know about that movie.

Brick is Rian Johnson's first feature length film!