

(1) My knowledge base was created in a simple way: aggregating files which mention the term and associating all of there texts with the given phrase. This served to capture all possible information on a term without any loss of information, but it has yet to be well refined. In the future, I'm going to further filter and cut down this text by only including sentences or groups of words which include the term, and try to use context to determine if surrounding words add information to a given term.

A summary of the knowledge base can be viewed with the knowledge_base_visualizer.py script. Some sample output is below:

Keyword: pokémon

Number of files: 11

alpha pokémon bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page
bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page pokémon national
changes pronoun field bulbagarden home forums new posts search forums

Keyword: bulbapedia

Number of files: 13

alpha pokémon bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page
bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page pokémon national
changes pronoun field bulbagarden home forums new posts search forums

Keyword: box

Number of files: 6

bulbagarden home forums new posts search forums new new posts
list pokémon trading card game expansions bulbapedia pokémon encyclopedia news
pikmin 3 pikipedia pikmin wiki pikmin 3 pikipedia pikmin wiki
pokémon trading card game bulbapedia pokémon encyclopedia news bulbapedia bulbapedia
smashwiki super smash wiki main pagefrom smashwiki super smash wikijump

Keyword: starter

Number of files: 4

bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
changes pronoun field bulbagarden home forums new posts search forums
list pokémon trading card game expansions bulbapedia pokémon encyclopedia news
pokémon trading card game bulbapedia pokémon encyclopedia news bulbapedia bulbapedia

Keyword: collection

Number of files: 5

bulbagarden home forums new posts search forums new new posts
halopedia halo wiki sign login navigation games original trilogy halo
list pokémon trading card game expansions bulbapedia pokémon encyclopedia news
pokémon trading card game bulbapedia pokémon encyclopedia news bulbapedia bulbapedia
smashwiki super smash wiki main pagefrom smashwiki super smash wikijump

Keyword: games

Number of files: 15

alpha pokémon bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page
bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page pokémon national
halopedia halo wiki sign login navigation games original trilogy halo

Keyword: nintendo

Number of files: 13

bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page pokémon national
halopedia halo wiki sign login navigation games original trilogy halo
kingdom hearts wiki kingdom hearts encyclopedia main page kingdom hearts

Keyword: player

Number of files: 7

alpha pokémon bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page
bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
kingdom hearts wiki kingdom hearts encyclopedia main page kingdom hearts
piklopedia pikmin wiki main page piklopedia pikmin wiki jump navigation
pikmin 3 piklopedia pikmin wiki pikmin 3 piklopedia pikmin wiki

Keyword: battle

Number of files: 9

alpha pokémon bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page
bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
halopedia halo wiki sign login navigation games original trilogy halo
kingdom hearts wiki kingdom hearts encyclopedia main page kingdom hearts

Keyword: series

Number of files: 13

bulbagarden original pokémon community news bulbapedia bulbapedia main page pokémon
bulbagarden home forums new posts search forums new new posts
bulbapedia pokémon encyclopedia news bulbapedia bulbapedia main page pokémon national
halopedia halo wiki sign login navigation games original trilogy halo
kingdom hearts wiki kingdom hearts encyclopedia main page kingdom hearts

(2) Sample Dialogue:

User: "Can you tell me what a Pokémon is?"

ChatPKMN: "Pokémon are fictional creatures that are central to the Pokémon franchise. Inherent to them are several fantastic powers not demonstrated by most real animals, such as the manipulation of elements/aspects of life, such as electricity or fire."

User: "What is the Pokémon franchise?"

ChatPKMN: “Pokémon, sometimes shortened to PKMN, is an overarching media franchise owned by Nintendo, Creatures, Inc., and Game Freak”

User: “What is bulbapedia?”

ChatPKMN: “Bulbapedia is an encyclopedia about Pokémon to which anyone can contribute. Since its launch in February 2005, it has grown to become one of the largest Pokémon resources on the internet”

My primary intent is to have the chat AI regurgitate information on the series by responding to simple queries on some of the main keywords in its corpus.