

District 93 Chatbot

Scope:

- District 93, Russell L. Ott
- Python

Data:

- Three of six types:
 1. Personal Info
 2. Contact Info
 3. Service
- Static only

Queries Snapshot:

```
-python .\myrep-chatbot.py

Please enter the name of the district you would like information on: district 93

===== DISTRICT CHATBOT =====
Welcome! Enter any questions about this representative and I'll try to answer. Type 'quit' or 'q' after any prompt to exit.
Hi how are you doing today?
You asked: 'Hi how are you doing today?'; sorry, I don't know anything about that.

What's your next question? Who is my representative?
You asked: 'Who is my representative?', here's what I found:    Representative Russell L. Ott

What's your next question? What district do you support?
You asked: 'What district do you support?', here's what I found:    District Name: District 93
                                Region: Calhoun, Lexington & Orangeburg

What's your next question? quit

Take care!

-python .\myrep-chatbot.py -sc 200

No chat with session number 200 found within the specified csv file; there are only 13 total. Please choose a valid number.

-python .\myrep-chatbot.py -scs 13

Chat 13 has user asking 3 times and system successfully answering 2 times (66.667% success rate). Total duration is 24.85 seconds.
```

Code Organization:

- PA1: Dynamic info retrieval, local data failsafe
- PA2: InfoContainer, inheritance
- PA3: “runui” method, query config
- PA4: “thefuzz”, Levenshtein, partial matching
- PA5: Two-part: ChatSessionLogger, stat recovery
- PA6: Straightforward, path config

Video Link: <https://youtu.be/Gk4YqgykRxY>

Experience:

- Trade-offs for reusability
- Straightforward but frequent testing
- General flexibility vs. accuracy with user requests
- Overall interesting