

## Homework 06

For my topic, I chose famous poet and musician Bob Dylan, whose influence has permeated through music history and popular culture since his debut in the early 1960s. Due to time constraints, the "knowledge base" I was able to collect is rather sparse, currently consisting only of general definitions of my chosen terms, persisted in a pickled Python dictionary. This information was gathered from Wikipedia and my own personal knowledge of the subject.

```
>>> with open("./db.pickle", "rb") as f:
...     db = pickle.load(f)
...
>>> db
{'Beat': 'A literary subculture movement whose central elements were the rejection of standard narrative values, making a spiritual quest, the exploration of Eastern religions, the rejection of economic materialism, explicit portrayals of the human condition, experimentation with psychedelic drugs, and sexual liberation and exploration.', 'Woodstock': 'A music festival held during August 15-18, 1969 that has become widely regarded as a pivotal moment in popular music history as well as a defining event for the counterculture generation.', 'folk': 'Music transmitted orally, music with unknown composers, music that is played on traditional instruments, music about cultural or national identity, music that changes between generations (folk process), music associated with a people's folklore, or music performed by custom over a long period of time.', 'Columbia': 'An American record label owned by Sony Music Entertainment.', 'hippie': 'Someone associated with the counterculture of the 1960s, who may have listened to psychedelic music, embraced the sexual revolution, and many used drugs such as marijuana and LSD to explore altered states of consciousness.', 'Geffen': 'An American record label established by David Geffen and owned by Universal Music Group.', 'Zimmerman': 'Bob Dylan's original surname.', 'R&B': 'A genre of popular music that originated in African-American communities in the 1940s, that was more a urbane, rocking, jazz based music with a heavy, insistent beat.', 'gospel': 'A traditional genre of Christian music, characterized by dominant vocals and strong use of harmony with Christian lyrics.', 'rock': 'A genre of popular music that evolved in the United States during the late 1940s and early 1950s, that originated from African-American music such as jazz, rhythm and blues, boogie woogie, gospel, jump blues, as well as country music.'}
```

As seen in the screenshot above, these terms were Beat, Woodstock, folk, Columbia, hippie, Geffen, Zimmerman, R&B, gospel, and rock.

I'd like to create a "Dylanological" chatbot; one who possesses expertise and vast knowledge of Bob Dylan and his history. At minimum, the bot would be able to answer basic biographical questions such as:

**User:** When and where was Bob Dylan born?

**Bot:** May 24, 1941 in Duluth, Minnesota

**User:** What was Bob Dylan's 15th studio album?

**Bot:** Blood on the Tracks.

**User:** What was the name of Bob Dylan's mid-1970s tour?

**Bot:** Bob Dylan created the Rolling Thunder Revue, which toured from 1975 to 1976.