



Week 2

VINBRAIN INTERNSHIP PROGRAM 2021

Reference

Original dataset

Disease Symptom Prediction

helps to create a disease prediction or healthcare system

[k https://www.kaggle.com/itachi9604/disease-symptom-description-dataset?select=dataset.csv](https://www.kaggle.com/itachi9604/disease-symptom-description-dataset?select=dataset.csv)



Dummied dataset

Symptom_checker

Symptom checker with machine learning dataset

[k https://www.kaggle.com/rabisingh/symptom-checker?select=Training.csv](https://www.kaggle.com/rabisingh/symptom-checker?select=Training.csv)



Retrieval information

itachi9604/healthcare-chatbot

a chatbot based on sklearn where you can give a symptom and it will ask you questions and will tell you the details and give some advice. - itachi9604/healthcare-chatbot

https://github.com/itachi9604/healthcare-chatbot/blob/da0811592df427f94d24470867030e34b96b1ab7/chat_bot.py#L98



Presentation

<https://www.overleaf.com/project/60692a72c2db80145723d37f>

Cluster symptom

Characterisation, identification, clustering, and classification of disease

Data-driven classifications are improving statistical power and refining prognoses for a range of respiratory, infectious, autoimmune, and neurological diseases. Studies have used molecular information, age of disease incidence, and sequences of disease onset ("disease trajectories").

[mR https://www.medrxiv.org/content/10.1101/2020.11.26.20227629v1.full](https://www.medrxiv.org/content/10.1101/2020.11.26.20227629v1.full)

Relevant

<https://www.irjet.net/archives/V6/i11/IRJET-V6I11335.pdf>

Chatbots as medical symptom checkers

Chatbots are becoming ubiquitous. In health-tech, the most common scenario is using bots to simplify search.

[in https://www.linkedin.com/pulse/chatbots-medical-symptom-checkers-ranjani-ramamurthy/](https://www.linkedin.com/pulse/chatbots-medical-symptom-checkers-ranjani-ramamurthy/)



Text Messaging-Based Medical Diagnosis Using Natural Language Processing and Fuzzy Logic

The use of natural language processing (NLP) methods and their application to developing conversational systems for health diagnosis increases patients' access to medical knowledge. In this study, a chatbot service was developed for the Covenant University Doctor (CUDoctor) telehealth system based on

<https://www.hindawi.com/journals/jhe/2020/8839524/>



Task

- ☒ Exploring Diseases Dataset
- ☒ Implement rule-
- ☒ Error model control
- ☒ UI
- ☐ Present