

# Progress Report

## Existing Standard Medical Data for Decision Tree

My new task is to find existing decision tree for our chatbot. I have found a paper with code and data. They contains some tagged data but the raw text is not conversation between doctors and patients. The paper: Y. He, Z. Zhu, Y. Zhang, Q. Chen, and J. Caverlee, 'Infusing disease knowledge into BERT for health question answering, medical inference and disease name recognition', arXiv, pp. 4604–4614, 2020. The released project link: <https://github.com/heyunh2015/diseaseBERT/> (<https://github.com/heyunh2015/diseaseBERT/>)

Another possibility is this work: <https://github.com/itachi9604/healthcare-chatbot> (<https://github.com/itachi9604/healthcare-chatbot>) demo:

```
hello xiaoxiao
Enter the symptom you are experiencing                                ->headache

searches related to input:
0 ) headache
Okay. From how many days ? : 2
Are you experiencing any
back_pain ? : yes
weakness_in_limbs ? : yes
neck_pain ? : no
dizziness ? : no
loss_of_balance ? : no
It might not be that bad but you should take precautions.
You may have Cervical spondylosis
Cervical spondylosis is a general term for age-related wear and tear affecting the spinal disks in your neck. As the disks dehydrate and shrink, signs of osteoarthritis develop, including bony projections along the edges of bones (bone spurs).
Take following measures :
1 ) use heating pad or cold pack
2 ) exercise
3 ) take otc pain reliver
4 ) consult doctor
```

## Initial Review and Re-enrollment

I have finished and submitted the initial review.

## Conclusion

Next week, I will continue to do the literature review for existing medical knowledge graphs.