Tonight i want to talk to a bit about the results of my MA thesis.

My research it self is very simple,

The reason it hasn’t been claimed before is not very simple . since i have a limited time right now i will focus just on my claim, and i would be happy to talk more about the data people have found which is leading in the direction of my claim.

Essentially, linguistics has a tradition in the humanities, mostly to help people to learn written language to study texts in greek for example.

Linguistics as teh study of the system which allows humans to learn language started in teh 1950s with computer science.

The earliest lingusitcs research was funded out of the united states defense to improve the processing of natural language texts. Noam Chomksy’s research in the 1950s started linguistics with the idea of Context free grammars and the Chomsky hierarchy of formal languages. Both remain concepts in Computer science you will probably hear about them in your studies. Meanwhile linguistcs and computer science diverged and went of to do its their own thing for 50 years

Since you all have a background in computer science i think my research will be even easier for you to understand than most humanities students.

Conclusion

My second goal in this talk is to introduce you to nanoysntax: the idea that individual words are further broken down in to features inoroder for us to observe determinanistic rules for how to use them. This is of course, basic scientific method. The zoom leve has just changed.

Linguists have learned taht the words are not primitives, we need to zoom in deeper to find the primitives.

In this talk i have shown you one of the ways this adjusting of the zoom lens is changing how we analyze texts and how we can achieve higher accuracy in our natural language processing if we zoom in deeper than the words.

I next week in our chatbots presentation i will talk about some chatbots that can only manages sentence leve information while others are able to zoom into the level of suffixes.