

The Alysha Linguistic AI Project

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Introduction

This is a libreOffice document I am using to document the Alysha Linguistic AI project.

The Alysha Linguistic AI project Is a project that I am personally designing for a specific robot mind. Having said this it is also based on the book “*Society Of Mind*” by Marvin Minsky to some large degree.

I originally named this project the semantic AI project but it turns out that many commercial AI companies are using semantic AI to mean something entirely different from what I am doing here so it's best to avoid that term. This does have to do with the meaning of words but it's not the same as semantic AI.

The Alysha Linguistic AI project is both very simple and very flexible so offers the best of both worlds. The project begins with a very simple dictionary that I create as the programmer this dictionary should only contain a few words maybe up to 100 which would be a lot, and this is how the program begins this is done in 3 sections which I'll attempt to explain now.

The Three Dictionaries

This project will begin using python dictionaries with key : value pairs in interesting ways. These dictionaries will represent Marvin Minsky's mental agencies in this case there are only 3, I will be calling them the id_Dict, the I_Dict and the world_Dict.

These will represent Alysha's current mental agencies. The id_Dict will represent her primal programming or biological evolution of the brain and it will be programmed mechanically by me manually.

The I_Dict will represent Alysha's personal ego or personal experience.

The world_Dict will represent objects in Alysha's world that are not Alysha, in this case there will only be one world_Dict to begin with, and that will be the world_Dict called *Daddy*. *Daddy refers to me as a person that Alysha will know as both her mentor and or parent.*

A fourth pseudo dictionary

Because we are modeling this on a language we need to have a grammar dictionary that supports this language so this will be our fourth dictionary call the grammar_Dict, it's required because of the linguistic element of this programming

The python dictionaries

All of the above dictionaries will have a very similar python programming format making them very easy to work with.

An important project restriction

As mentioned earlier, The Alysha Linguistic AI project is a project that I am personally designing for a specific robot mind. Having said this it is also based on the book “*Society Of Mind*” by Marvin Minsky to some large degree. Doctor Minsky’s “*Society Of Mind*” is based on a very large idea of what these agencies can do both, linguistically and emotionally, etc. so doctor Minsky’s ideas are very profound and we're not going to allow this project to get lost in that large infinite idea of the entire English language and all of its subtleties.

It's unrealistic to take a 2-year-old human child into a room for 2 weeks and expect to have as an output a fully educated human who understands everything there is to know about the English language. That simply isn't a realistic goal, neither would it be for a robot mind. There is much more to say about this but it should suffice to say that we need very clear restrictions on what we are hoping to accomplish.

The human toddler model age 24 months.

[From babycenter.com](http://www.babycenter.com) Your Child's Talking Timeline

Goal - Knows 50 to 100 words. Uses short, two- or three-word sentences and personal pronouns ("I fall down!" "Me go school?").

This talking timeline is just a guideline for ideas, we may not use these specific words at all.

In addition to these guidelines we will also be using dictionaries that are a thesaurus this will allow us to add additional words that have a same root meaning so we will have more words than we actually are using in a sense because of this thesaurus nature of the linguistic language

More introduction on this to come later.

End of Doc