

Detecting Alzheimer's using ML algorithms

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Why I chose this area of science

I've always found the brain to be a very complicated and interesting part of the body because it controls everything you do. My grandmother had severe memory loss issues which affected her way of life before she passed away. I would like to make more people aware of how severe this disease can be and find solutions to diagnose it better and faster.

The problem or challenge

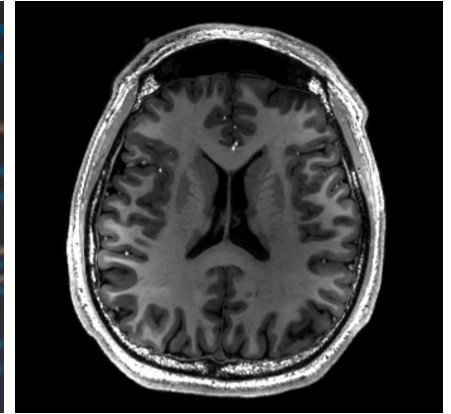
How can we use current technological knowledge to detect what stage of this hard to diagnose disease someone might have.

Research

I spoke to a professional who helps people with this disease, she works at a retirement home and cares for the patients. Alzheimer's is a very common form of dementia, and can severely affect a person's life. According to miss Gordon, Alzheimer's is due to a lack of blood flow to parts of the brain. It is difficult to detect this disease.

Using data sets

1. This algorithm will compare photos
2. Gives you a percent of how likely the image is of mild/severe Alzheimer's
3. High accuracy rate



Conclusion

I would like to help innovate a way to detect the severity of this disease to help before it gets to the point of no return.

What will I do next?

Next I would like to make a code to detect which type of Alzheimer's disease someone may have.



Thank you so much!

I would like to give a big thank you to Lynn Gordon and Cathal for working with me and helping me explain either about Alzheimer's or giving me a deeper understanding of my code. I would also like to thank my mentors Irada Shamilova, and Tim Gubski.