

# f-MRI Image Classification for Alzheimer's Diagnosis

**Ilan Haskel**



**Background**

-

**Alzheimer's  
Disease and f-MRI**



# Overview

**01**

**Objectives**

**02**

**Data**

**03**

**Model /  
Results**

**04**

**Next Steps**

# Objectives

**01**

**Classify  
Alzheimer's**

**02**

**Minimize  
False-Negative  
Diagnoses**

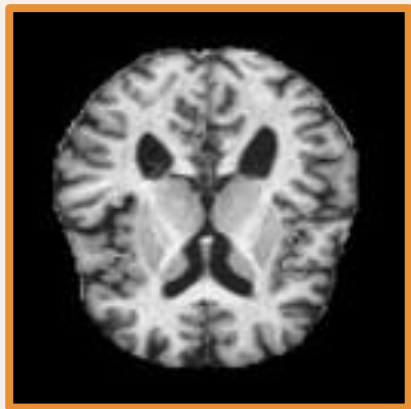
**03**

**Conserve  
Hospital  
Resources**

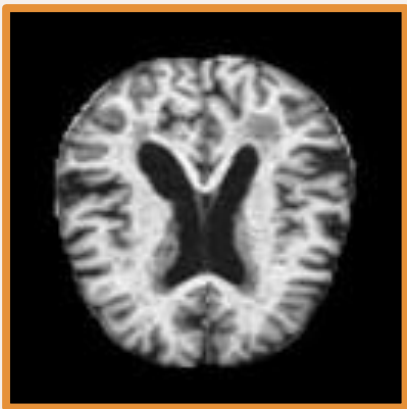
**04**

**Improve  
Treatment  
Speed**

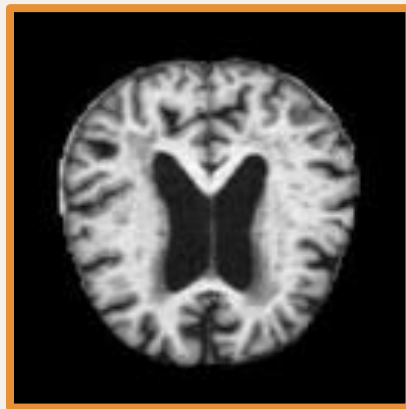
# The Data



non-demented



very mild demented

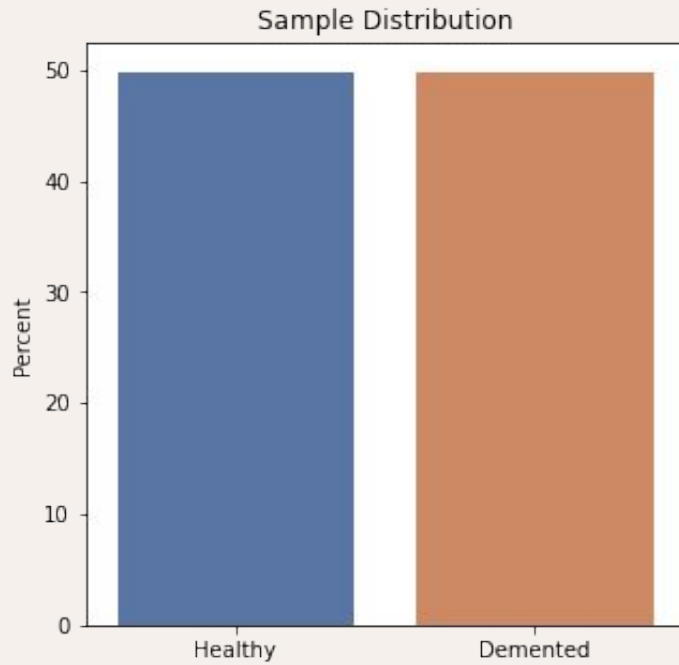


mild demented

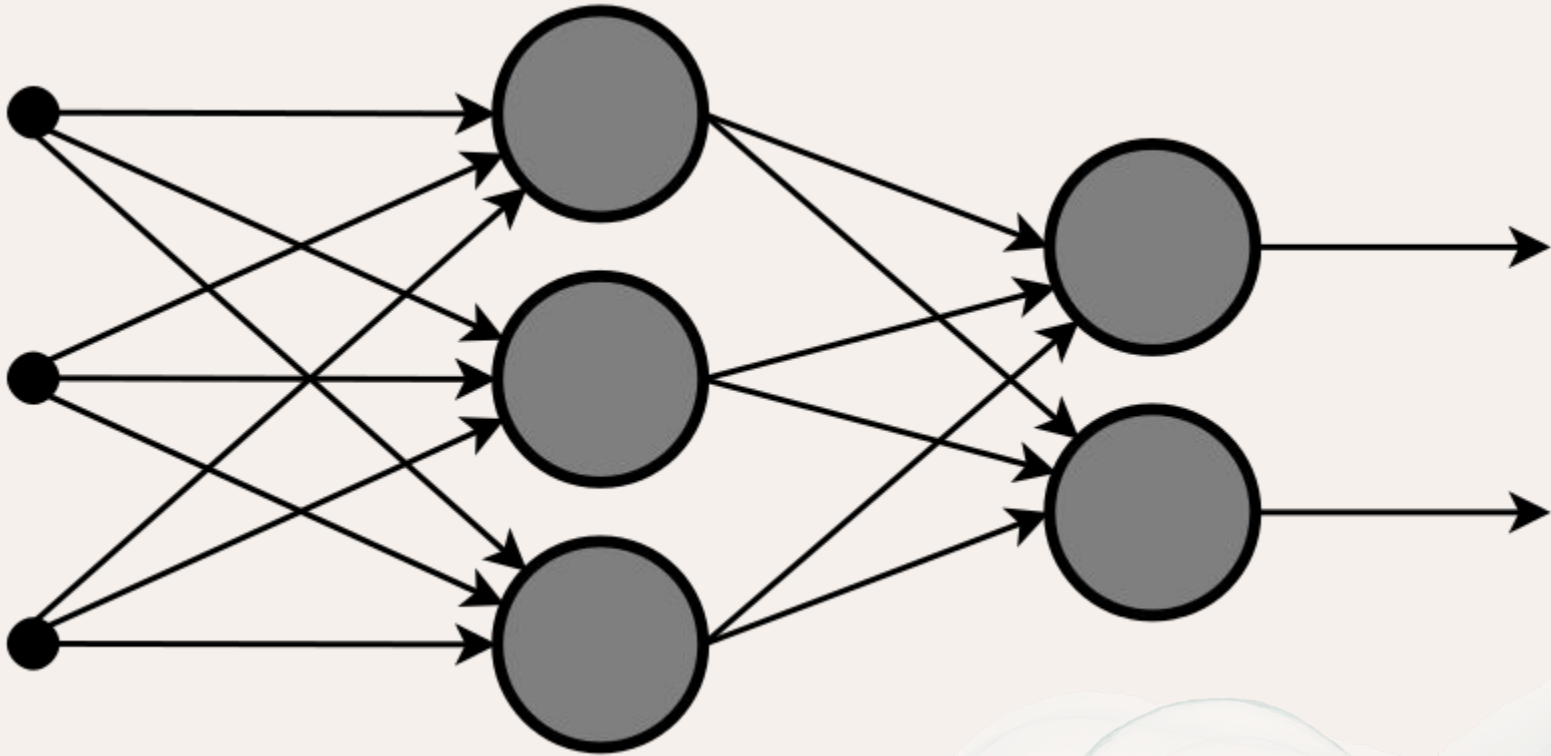


moderate demented

# The Data



# The Model





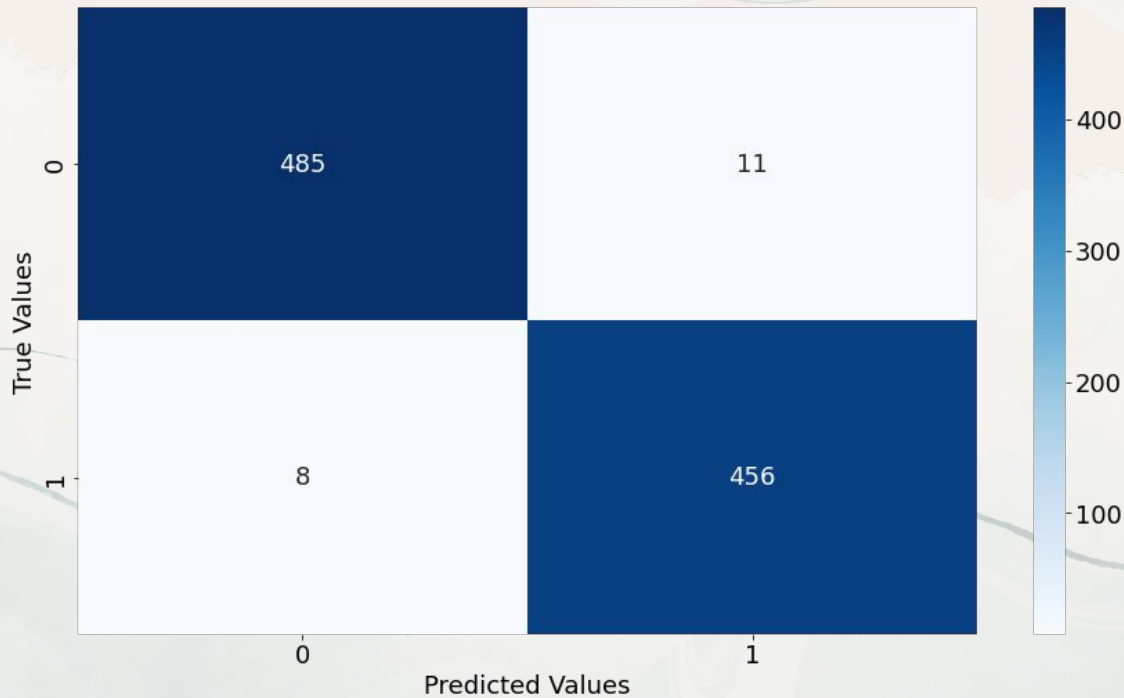


# The Model - Performance

98%



# The Model - Performance



# Next Steps



●  
**More Data**

**Model Diversity**  
●

# Thank you!

**LinkedIn**



**GitHub**