# Capstone_proposal

April 2, 2019

# 1

## 1.1

 2019328

### 1.1.1

2013kaggle""MRI[?][?]

### 1.1.2

### 1.1.3

250001:1..$jpg$12500
$hh \times ww$RGB

### 1.1.4

*(approx. 1 paragraph)*
vgg16$hh \times ww$1sigmoid=1=0kagglekaggle10%
epochLoss.
sigmoid

### 1.1.5

*(approximately 1-2 paragraphs)*
In this section, provide the details for a benchmark model or result that relates to the domain, problem statement, and intended solution. Ideally, the benchmark model or result contextualizes existing methods or known information in the domain and problem given, which could then be objectively compared to the solution. Describe how the benchmark model or result is measurable (can be measured by some metric and clearly observed) with thorough detail.

### 1.1.6

*(approx. 1-2 paragraphs)*

In this section, propose at least one evaluation metric that can be used to quantify the performance of both the benchmark model and the solution model. The evaluation metric(s) you propose should be appropriate given the context of the data, the problem statement, and the intended solution. Describe how the evaluation metric(s) are derived and provide an example of their mathematical representations (if applicable). Complex evaluation metrics should be clearly defined and quantifiable (can be expressed in mathematical or logical terms).

### 1.1.7

*(approx. 1 page)*

In this final section, summarize a theoretical workflow for approaching a solution given the problem. Provide thorough discussion for what strategies you may consider employing, what analysis of the data might be required before being used, or which algorithms will be considered for your implementation. The workflow and discussion that you provide should align with the qualities of the previous sections. Additionally, you are encouraged to include small visualizations, pseudocode, or diagrams to aid in describing the project design, but it is not required. The discussion should clearly outline your intended workflow of the capstone project.

### 1.1.8

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**Before submitting your proposal, ask yourself. . .**

- Does the proposal you have written follow a well-organized structure similar to that of the project template?
- Is each section (particularly **Solution Statement** and **Project Design**) written in a clear, concise and specific fashion? Are there any ambiguous terms or phrases that need clarification?
- Would the intended audience of your project be able to understand your proposal?
- Have you properly proofread your proposal to assure there are minimal grammatical and spelling mistakes?
- Are all the resources used for this project correctly cited and referenced?

In [ ]: