# CMP6228 - Deep Learning Project

## Project Proposal

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CMP6228 - Deep Neural Networks

Module Coordinator: Khalid Ismail

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# Contents

# Introduction

"This section should summarise and highlight the aim of the proposal."

Khalid recommends that you use text or image data. Select a domain (medical, vehicles, etc) and find a suitable dataset that can solve the problem you propose. Do any pneumonia datasets exist? There's no named dataset size minimum. Consider a balanced size, as a large dataset of images will take huge amounts of time to train.

If there's some kind of diabetes-related dataset it might be possible to reuse CMP6202's extensive research.

**Datasets must be presented to Khalid to get his confirmation.**

# Motivation and objectives

"This section should include a description of the selected dataset and a detailed description of the problem."

## 1.1  Dataset choice

**Going with the PNEUMONIA dataset** due to research backing and popularity in data science communities (Kaggle).

## 1.2  Data science problem

# Related work

## 2.1 Introduction

"This section should demonstrate the main concepts of related techniques that have been previously used to solve the problem." What have other people done to solve it? How did they do it?

## 2.2 Lit Review Topic 1

## 2.3 Lit Review Topic 2

## 2.4 Lit Review Topic 3

# Proposed model

"This section should demonstrate the suitability of the proposed solution in solving the data science problem"