## Sep 9, 2024 | [Clinic Advisor Meeting](https://www.google.com/calendar/event?eid=cXNkOXB2bGNrYjY1NWhqcGh1czdwcmUxYzRfMjAyNDA5MDlUMjMxNTAwWiBkZ3VnbGFuaTI1QHN0dWRlbnRzLmNsYXJlbW9udG1ja2VubmEuZWR1)

Attendees: [ivernooy@g.hmc.edu](mailto:ivernooy@g.hmc.edu) [Mehrezat Abbas](mailto:mabbas25@students.claremontmckenna.edu) [ghope@g.hmc.edu](mailto:ghope@g.hmc.edu) [mknell@g.hmc.edu](mailto:mknell@g.hmc.edu) [ztraul@g.hmc.edu](mailto:ztraul@g.hmc.edu) [Devanshi Guglani](mailto:dguglani25@students.claremontmckenna.edu)

Notetaker order:

[primary notetaker], [secondary notetaker]

Zach

Milo

Devanshi

Mehrezat

Lillian

What we need to discuss:

Problem Statement

Background

Goal (Overall long range end result)

Objectives (more specific)

Deliverables

What we foresee us doing:

* Exploring data
* Identifying data science techniques
* Software with guided interactive labeling (stretch goal)
* Developing an ML system using Time series data - creating a 2D array of numbers from a 1D array of numbers
* Training a convolutional neural network using hand engineered data
  + We could go ahead and try using it
  + Applying CNN to time series data in pytorch or tensorflow
  + Each of us can bring a piece of knowledge to our meeting tomorrow!

Action items

* Setting up the repository
* thinking about the tools we're going to use
* We will use an Existing technique, train it from some data
* Do not do it from scratch
* Understand what works and what doesn’t
* E.g. pytorch, tensorflow, opencv, bezier libraries on python
* Deciding who will be assigned to various parts (as we have independent strengths)
* Having an actual metrics to our goal