Final Presentation:

- Each person will do 10 minutes (~15 slides)

- Individual grades (70%) group grades (30%)

- Each person pick two sub-topics (you can also do more but all 4 should be covered by the group)

- Combine your ppt in one file and label your name

Subtopics

Background

Data

Methods in Literature

Possible Future Works

Background:

Why do this? (Clinical relevance)

How have this been done (Traditional method)

What's the drawback? (inaccurate? costly?)

How can ML/DL potentially help?

Data:

Description of data (CT, MRI, 2D, 3D)

What's publicly available?

    - number of subjects

    - types of data

    - types of annotation

How's the data looks like in private studies?

How difficult it is to gather new data?

How can you potential gather / create new data?

Methods in literature:

What has been done in this problem?

Pick ~5 paper, or few good review paper

What's the model?

What's their performance?

What's their short-coming?

Potential Future Works

What's the new model you want to use?

How is the new model relevant to your problem?

What's the potential benefit and how are you going to evaluate it?

Is data enough for the model? What to do when data is not enough?

Projects:

Google miccai + topics or deep learning + topics

Data:

https://www.kaggle.com/datasets?search=medical

https://github.com/sfikas/medical-imaging-datasets

https://grand-challenge.org

Report Reference
http://cs231n.stanford.edu/reports.html