

Meeting Minutes

Date 14/7/2021 Time 8:00pm

Attendees

- Pat
- Andrew
- Cam
- Adam
- Darren

Apologies

- Na

Agenda

❖ Meeting content

- Discussed where we are up to as a team, steps moving forward. To be documented in confluence project management.
- Adam and Andrews discussed their progress with the notebooks to help bring the rest of the team up to date.
 - Andrew_clustering_gmm03.ipynb
- Confluence page created for project management side of things, to be shared out after the meeting.
- Converting to HSV will significantly help with image clustering.
- Sidetracked on the RGB colour space, GMM with NIR seems to be the way to go for now.
- Project Testing (the many branches)
 - Cam RGB colour space
 - Pat - Masking, ground truth and bounding boxes
 - Adam - End to end solution for
 - Load images
 - Pre-process
 - Process
 - Contours defined
 - Export as "Shape" file or otherwise.

- Darren - Thresholding and contouring (fill the region of contouring as well), Variations in colour space.
- Andrew - Cluster auto selection
- Team should watch videos on what Kmeans is and how it works, same goes for Gaussian Mixture Model.
<https://towardsdatascience.com/gaussian-mixture-models-vs-k-means-which-one-to-choose-62f2736025f0>
<https://towardsdatascience.com/gaussian-mixture-models-for-clustering-3f62d0da675>

- ❖ Issues and Challenges
- ❖ Review Previous Iteration Work Items
- ❖ New Iteration Work Items
- ❖ To Be Actioned
- ❖ Assigned Roles