# **Monthly Meeting #1**3**:** Team **Meeting**

| **Meeting Date:** | Oct 10, 2023 8:00 PM | |
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| Meeting Time: | 8:00 PM ET | |
| Meeting Location: | Virtual | |
| Meeting Type: | Team Meeting | |
| Student Team Members: *(check box if in attendance)* | * Rachel * Vanessa * Kashish * Pamela * Elena * Nyah | |
| Other Attendees:  *(e.g., Challenge Advisor, TA)* |  | |

# MEETING AGENDA

1. Select algorithm/architecture according to performance on given datasets (TF2 Tutorial on Object Detectors)
2. Discuss next steps and how to integrate nuImages into the object detectors
3. Set up meeting schedule for the rest of the month and notify

# ACTION ITEMS

| **Task/Assignment** | **Team Member** | **Deadline** |
| --- | --- | --- |
| General data exploration | Student team |  |
| Set up Tufts HPC (?) | Vanessa (?) | Oct 10, 2023 |
| Message Maria with project update and questions | Kashish | Oct 10, 2023 |
| Send out meeting invites for rest of the month for Maria and Keith | Kashish | Oct 15, 2023 |
| Convert the annotations to something custom object detection will need (XML file) | Student team | Oct 19, 2023 |
| Optional?: read about transfer learning for a custom object detection model: <https://medium.com/swlh/creating-your-own-custom-object-detector-using-transfer-learning-f26918697889> | Student team |  |
| Action items from last meeting:   * Run the nuImages tutorial example - can access from GitHub and open in Google Colab - DONE * Do TensorFlow tutorials on image classification and object detection - DONE * Create training set with images that only include pedestrians and cyclists - IN PROGRESS * (If there is time before Maker day): MATLAB Onramp (Computer Vision and Deep Learning) <https://docs.google.com/document/d/1PBFZTiRq0m_T9M97nGj6skKP2X7fCKONHFAi_wVRf_Q/edit?usp=sharing> | Student team | Oct 6, 2023 |
| Action items before next meeting:   * nuImages devkit tutorial on how to load nuImages and display the data * Create dataset with images that only include pedestrians and cyclists according to the annotations * Figure out how to insert and render nuImages into object detection * (Maybe) Run architectures on the nuImages Mini dataset | Student Team | Oct 17, 2023 |