# **Monthly Meeting #1**6**:** Team **Meeting**

| **Meeting Date:** | Oct 31, 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)* |  | |

Pre-Work:  
 Creating own custom object detector

* <https://medium.com/swlh/creating-your-own-custom-object-detector-using-transfer-learning-f26918697889>

NuScenes -> XML example??

* [mobile\_robotics/nuscenes extract and write out 2d full annotation boxes.ipynb at master · asvath/mobile\_robotics (github.com)](https://github.com/asvath/mobile_robotics/blob/master/nuscenes%20extract%20and%20write%20out%202d%20full%20annotation%20boxes.ipynb)

# MEETING AGENDA

1. Reconvening and sharing Imagedata -> XML translation so we can get TFRecord
2. Going over AI Studio Deliverables

Notes:

* XML Research:
  + Vanessa: Computer Vision Annotation Tool (CVAT)
  + Kashish: <https://www.ibm.com/docs/en/wmla/1.2.3?topic=dataset-images-object-detection>
  + <https://roboflow.com/formats>
  + Is this a potential format we need to look into?: [DATASET LABELING/ANNOTATION. (TUTORIAL FOR BEGINNERS) | by Techzizou | Analytics Vidhya | Medium](https://medium.com/analytics-vidhya/image-dataset-labeling-annotation-bec3390eda2d)
* AI Studio Deliverables
* Idea for final presentation: include a “next steps” slide to mention how we would extend the project if we had more time

For next Maker Day

* Set hard deadlines for what we should get done
* Ask Maria what the main milestones should be and approximately how much time we should allot for them

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# ACTION ITEMS

| **Task/Assignment** | **Team Member** | **Deadline** |
| --- | --- | --- |
| Research on how to convert to XML |  |  |
| Submit monthly progress summary | Nyah | **Done** |
| Submit october meeting notes | Nyah | **Done** |
| 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 |  |
|  |  |  |
| Create training set with images that only include pedestrians and cyclists - IN PROGRESS | Student team |  |
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