

# Week 8 Task Assignment

## Tim - Tracking Research & Optimization

- **Tracking Algorithm Enhancement**
  - Experiment with different tracking methods (ByteTrack, StrongSORT, DeepSORT)
  - Optimize existing configuration for AFL-specific scenarios
- **Model Performance Analysis**
  - Analyze current detection failures (missed players, false positives)
  - Experiment with confidence thresholds and NMS parameters

**Progress: Working on it**

## Xuan - OCR & Tracking Metrics (Collaboration Lead)

- **Jersey Number Recognition System**
  - Research OCR solutions (EasyOCR, PaddleOCR, ...)
  - Develop player bounding box to jersey number pipeline
  - Create jersey number validation logic
- **Tracking Metrics Development** (with Audrey)
  - Research MOTA/MOTP calculation system

**Progress: Done**

## Audrey - Tracking Validation Framework

- **Test data annotation**
  - Design ground truth annotation format and loading system
  - Develop statistical reporting dashboard
- **Playing with tracking algorithms (optional)**
  - Try out any tracking algorithms that you like
  - Report the results (by video)

**Progress: No feedback from her**

## **Sam - Technical Documentation**

Primary Tasks: Documentation our team works from the very beginning