Supporting Materials for Jersey Number Recognition Project

## Task WebPage

[SoccerNet - Jersey Number Recognition](https://www.soccer-net.org/tasks/jersey-number-recognition)

## Development Kit

[SoccerNet/sn-jersey: Repository containing all necessary codes to get started on the SoccerNet Jersey Number Recognition challenge.](https://github.com/SoccerNet/sn-jersey)

## Research Papers on the Task

1. **A General Framework for Jersey Number Recognition in Sports Video(**[**https://openaccess.thecvf.com/content/CVPR2024W/CVsports/papers/Koshkina\_A\_General\_Framework\_for\_Jersey\_Number\_Recognition\_in\_Sports\_Video\_CVPRW\_2024\_paper.pdf**](https://openaccess.thecvf.com/content/CVPR2024W/CVsports/papers/Koshkina_A_General_Framework_for_Jersey_Number_Recognition_in_Sports_Video_CVPRW_2024_paper.pdf)**)**
2. **Jersey Number Recognition using Keyframe Identification from Low-Resolution Broadcast Videos (**[**2309.0 6285v1**](https://arxiv.org/pdf/2309.06285v1)**)**

## EvalAI Challenge Page

**SoccerNet Challenge 2023 - Jersey Number Recognition (https://eval.ai/web/challenges/challenge-page/1952/overview)**

## How to start your project:

1. Visit the development kit repo page for instructions on how to download the dataset using the SoccerNet python package
2. To get familiar with how typical solutions to this problem look like, start by reproducing the results of the research papers linked above using the authors own code.
3. Visit the evalAI challenge page and sign your team up, try submitting the outputs you reproduced on your machine.
4. Create your team’s Github Repo and start working on your own pipeline / improvements to existing work.