Practical Course AI
Status Sprint 10

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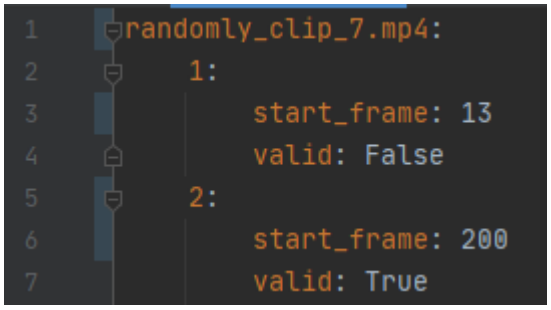
Framework for Dataset (TM)

- Automate dataset generation
- Define structure for dataset.yaml
- Refactor main methods to make them modular
- Implement code to generate CSV from YAML configuration



Dataset Definition (AN, ZC)

AN:

- Defined Class for tracking so that forward and backward tracking instances can be created independently
- Improved solid-stripe classification in color detection
- Set valid flags true in configuration file for clips/strikes where tracking works completely
- Generated dataset using configuration file

ZC:

- Finished the dataset.yaml file for 200 strikes

Model (SB)

- Improved modeling to predicted video pipeline
- Problem with using prediction outside of training

Rendering (SG)

- Added support for MP4 video generation to Rendering
- Extended Rendering Ball class to the Ball class that is being used in the preprocessing

Outlook

- Extend dataset if required
- Fix issue in current model prediction
- Advance training techniques
- Attach rendering to model output
- Add comparison view (labels/predictions)