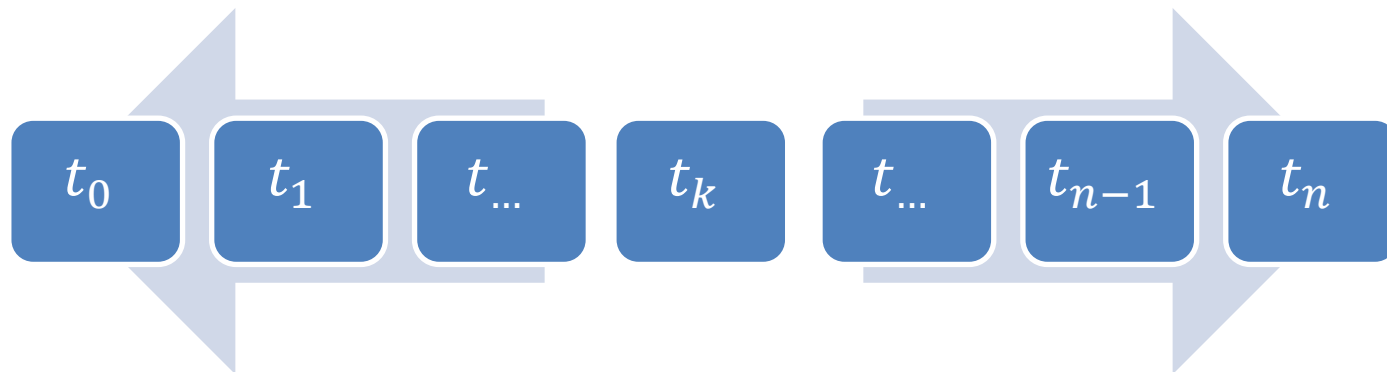# Practical Course AI
Status Sprint 9

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Thomas Monninger, Stefan Bolz, Zuohao Chen, Samhita Ganguly, Ashish Nagi

Tracking Consistency (TM)

- Define interface classes for handling ball state
- Implement consistency check for detection
- Search across input sequence for best detection frame t_k as starting point for tracking
- Bidirectional temporal tracking

Preprocessing (AN)

- Color detection and tracking code redesigned to use new interface for ball state

- Changed definition of start and end frames to use frames instead of seconds

- Fixed bugs in tracking, color detection and CSV generation modules

- Generated 20 datasets (CSV) from 20 strikes

Model (SB)

- Train based on small data
- $\rightarrow$ more data required

Rendering (SB, SG, ZC)

- Fixed rendering part
- Integrated rendering into prediction loop
- Compose Matplotlib frames into video
- Demo

Outlook

- Handle jittering of preprocessed data
- Handle edge cases in preprocessing (color detection, tracking at collision)
- Generate more data
- Train model