Motivation & Goals

Researchers from psychology to computer science need an advanced digital video annotation software to replace their cumbersome, slow and inefficient traditional methods. VCode & VData is a suite of software applications that provides powerful functionalities that directly address the needs for the users and video coders. This semester, we updated VCode & VData’s front-end and back-end. This not only “updated” very out-dated software, but added many new features for ease of use and free distribution via the APP STORE.

MULTIPLE VIDEO STREAMS
To facilitate multiple video streams VCode presents one main video at full size, and a dock with other streams playing in real-time.

TIMELINE & SECONDARY DATA
Events, graphically represented by diamonds, appear in a spatial linear fashion to sync with the video. This includes 3rd party data and audio waveform.

EVENTS
There are two different classes of coding events: ranged and momentary. A ranged event is one that extends over a period of time. Momentary events represent one specific moment in time (no duration).

PLAYBACK MODES
With VCR playback not supporting natural annotation styles, we allow for more specialized features than VCR; Standard, Continuous Interval and Skip Interval Playback.

ANNOTATION TEMPLATE
A new environment for researchers to specify and standardize video and data files to be coded.

ADMIN WINDOW
To ensure consistent configuration between coders and sessions, all administrative features are consolidated in a single window.

MULTIPLE CODER ANALYSIS
In addition to point-by-point agreement calculations, VData also supports Kappa Calculations. This allows for a wide range of inter-rater agreement calculations.

CONFLICT RESOLUTION
We have optimized this by providing a graphical mechanism to directly compare annotations of two coders in line with the video.