HKJC Brighter Side of Life project

Data logging:

Two components- Per session per horse (whole session of x trials/sequences)

Per trial/sequence within a session. In the code, a trial is called a sequence, but could change it to a trial to make it less confusing.

Events to log: Blue arrows indicate logging event.

Start time of code execution= commencement of a session

**Sequence/ trial *n***

Time of start tone activation=commencement of a trial

Time of touch sensor activation

Time of feed dispense

**Next sequence/trial *n+1***

Time of next sequence/trial start

Time of touch sensor activation

Time of feed dispense

Repeat *n* trials/sequences

Completion of *n* trials/sequences

Time of end tone activation= end of a session

Calculate:

**Duration of session**: total time from start of code execution to end tone

**Response latency** :from start tone activation to touch sensor activation- how long it takes horse to respond to cue and make the touch response.

**Duration of a trial/sequence-**time period between one start tone and the next start tone. Even though the feed dispense and eat time is a fixed amount of time would like to log this in case we change the eat time to a variable time (unlikely but a possibility).