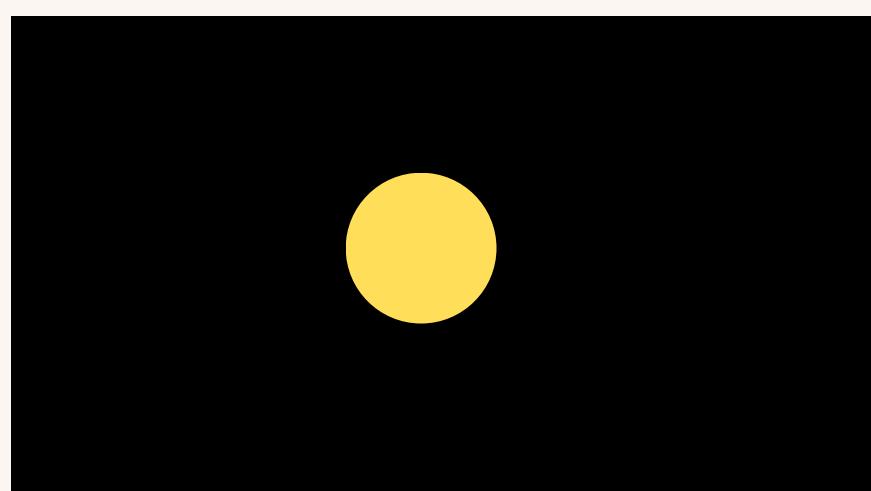


Psychomotor Vigilance Task (PVT)

(Dinges, D. I., & Powell, J. W., 1985)

- Classic sustained attention task that measures how subjects respond to a simple visual stimulus for an extended period of time
- Stimulus is presented at random inter-stimulus-intervals (ISI) to force the subject to maintain a state of readiness to respond to an upcoming stimulus.
- Response latency relative to the onset of the stimulus is an indicator of sustained attention or motoric alertness
- Task is sensitive to sleep deprivation, circadian rhythm, sedation, and other fatigue-related conditions.
- Original task duration is 10 minutes

Figure adapted from Hödlmoser et al., 2010



2000 - 10 000 ms
“Attend”



Downscroll until response
“Respond”



Feedback 1000 ms
“Feedback”