

EXERCISE 2.1 Analysis

Following is an example of an introduction from the field of psychology. After reading it, identify which sentences correspond to four of the five stages we have discussed.

EYE MOVEMENTS WHILE WATCHING A BASEBALL PITCH

¹Many motor skills require action based on rapid change in the environment. ²One such skill is baseball batting. ³The baseball batter relies most heavily on vision for pertinent information. ⁴Moreover, a good pitcher will attempt to give the hitter misleading cues during the wind-up and delivery. ⁵Visual-search strategies must be used by a batter to sample relevant locations in the visual display so response can be made at the proper time.

⁶Research has shown that visual-search patterns can be governed by a variety of factors including experience. ⁷Mourand and Rockwell (1972) examined the visual-search strategies used by six novice and four expert drivers. ⁸Novice drivers sampled their mirrors and instruments more frequently than did expert drivers. ⁹On the freeway, novice drivers made smooth pursuit movements while the experts made only eye fixations.

¹⁰ Bard, Fleury, Carriere, and Halle (1980) examined the visual search patterns of expert and novice gymnastic judges. ¹¹They found that the expert judges had 27% fewer fixations than novice Judges. ¹² Eye fixations also differed for novice and expert basketball players. ¹³Bard and Fleury (1976) showed slides of typical offensive basketball situations to players and recorded their eye movements/fixations. ¹⁴Expert players made fewer fixations than novices.

¹⁵The informational content of various portions of a baseball's trajectory from pitcher to batter has been debated but most of the research has focused on the terminal portion of the ball flight. ¹⁶The purpose of the present study was to examine the visual-search strategies of expert and novice baseball players during the preparatory phase (wind-up and release of the pitch) of base- ball hitting. ¹⁷A second goal was to document the existence of an eye-movement reaction time prior to the eyes tracking the pitch.

Stage I (the setting) : Sentence(s) _____
Stage II (already studied): Sentence(s) _____
Stage III (investigation needed) : Sentence(s) _____
Stage IV (purpose) : Sentence(s) _____
Stage V (value) does not appear In this report.