Data Layout for One Record:

The following illustrates how the CSV files are organised within the Raw\_Data\_CSV\_Format Directory. Each file contains the events for each team; however, the file only indicates the events that occurred at the team’s home field. Therefore, to capture a team’s full season, you must combine the team’s home events with events where they appear as visitors from other event files. The text highlighted in yellow will not appear in the event instance table.

0 game id\*, 1 visiting team\*, 2 inning\*, 3 batting team\*, 4 outs\*, 5 balls\*, 6 strikes\*, 7 pitch sequence, 8 vis score\*, 9 home score\*, 10 batter, 11 batter hand, 12 res batter\*, 13 res batter hand\*, 14 pitcher, 15 pitcher hand, 16 res pitcher\*, 17 res pitcher hand\*, 18 catcher, 19 first base, 20 second base, 21 third base, 22 shortstop, 23 left field, 24 center field, 25 right field, 26 first runner\*, 27 second runner\*, 28 third runner\*, 29 event text\*, 30 leadoff flag\*, 31 pinch-hit flag\*, 32 defensive position\*, 33 lineup position\*, 34 event type\*, 35 batter event flag\*, 36 ab flag\*, 37 hit value\*, 38 SH flag\*, 39 SF flag\*, 40 outs on play\*, 41 double play flag, 42 triple play flag, 43 RBI on play\*, 44 wild pitch flag, 45 passed ball flag\*, 46 fielded by, 47 batted ball type, 48 bunt flag, 49 foul flag, 50 hit location, 51 num errors\*, 52 1st error player, 53 1st error type, 54 2nd error player, 55 2nd error type, 56 3rd error player, 57 3rd error type, 58 batter dest\* (5 if scores and unearned, 6 if team unearned), 59 runner on 1st dest\* (5 if scores and unearned, 6 if team unearned), 60 runner on 2nd dest\* (5 if scores and unearned, 6 if team unearned), 61 runner on 3rd dest\* (5 if scores and unearned, 6 if team unearned), 62 play on batter, 63 play on runner on 1st, 64 play on runner on 2nd, 65 play on runner on 3rd, 66 SB for runner on 1st flag, 67 SB for runner on 2nd flag, 68 SB for runner on 3rd flag, 69 CS for runner on 1st flag, 70 CS for runner on 2nd flag, 71 CS for runner on 3rd flag, 72 PO for runner on 1st flag, 73 PO for runner on 2nd flag, 74 PO for runner on 3rd flag, 75 Responsible pitcher for runner on 1st, 76 Responsible pitcher for runner on 2nd, 77 Responsible pitcher for runner on 3rd, 78 New Game Flag, 79 End Game Flag, 80 Pinch-runner on 1st, 81 Pinch-runner on 2nd, 82 Pinch-runner on 3rd, 83 Runner removed for pinch-runner on 1st, 84 Runner removed for pinch-runner on 2nd, 85 Runner removed for pinch-runner on 3rd, 86 Batter removed for pinch-hitter, 87 Position of batter removed for pinch-hitter, 88 Fielder with First Putout (0 if none), 89 Fielder with Second Putout (0 if none), 90 Fielder with Third Putout (0 if none), 91 Fielder with First Assist (0 if none), 92 Fielder with Second Assist (0 if none), 93 Fielder with Third Assist (0 if none), 94 Fielder with Fourth Assist (0 if none), 95 Fielder with Fifth Assist (0 if none), 96 event num

CSV Format:

"ANA201004050","MIN",1,0,0,2,2,"CSBFFBFC",0,0,"spand001","L","spand001","L","weavj003","R","weavj003","R","mathj001","morak001","kendh001","woodb003","aybae001","rivej001","huntt001","abreb001","","","","K","T","F",8,1,3,"T","T",0,"F","F",1,"F","F",0,"F","F",0,"","F","F","",0,0,"N",0,"N",0,"N",0,0,0,0,"2","","","","F","F","F","F","F","F","F","F","F","","","","T","F","F","F","F","","","","",0,2,0,0,0,0,0,0,0

Section: Game

* Table: Game Instance:
  + Col: Game\_ID (VarChar)– Primary Key to identify a game instance
  + Col: Visting\_Team (VarChar) – The visiting team involved in the game.
  + Col: Home\_Team (VarChar) – The home team involved in the game.
  + Col: Total\_Abs (Int) – Aggregate of the total ‘At Bats’ in the game derived from the event.
* Table: Event Instance:
  + Col: idEvent (Int) – Primary Key to identify an event record.
  + Col: Game\_ID (VarChar) – Foreign Key to identify what game it is associated with.
  + The rest of the column attributes will be named using the block above excluding the elements highlighted in yellow. The descriptions of the attributes are indicated in the Creating Event Files document. The attribute type can be found in the CSV Format above.