

# Population matfile format

For example:

```
load('Y:\Projects\Simultaneous_dPul_PPC_recordings\ephys\dPul_LIP_Lin_20211109\population_Linus_20211109.mat');
```

```
population(1).trial(6)
```

```
ans =
```

```
struct with fields:
```

```
    type: 4
  effector: 0
 reach_hand: 0
    choice: 1
   success: 1
  fix_pos: 2.0000 + 0.0000i
```

```
tar_pos: -13.0000 + 0.0000i % selected target position
```

```
  trial_onset_time: 34.3180
    states_onset: [-0.5432 0 0.0164 1.0167 1.3329 2.1342 2.3496 2.7506
2.7677 3.2340 2.3210 2.3610 2.7506 4.9227]
        date: 20211109
        block: 1
        run: 1
```

```
n: 7 % original trial number in behavioral monkeypsych mat file
```

```
    completed: 1
    sac_off: -0.1680 + 0.2490i
    sac_lat: 0.1870
    rea_off: NaN + NaNi
    rea_lat: NaN
    cue_pos: NaN
    cue_shape: NaN
  all_tar_pos: [2x1 double]
    col_dim: [2x3 double]
    col_bri: [2x3 double]
target_selected: 2
    states: [1 2 3 6 8 4 5 20 21 50 60 61 90 98]
  run_onset_time: 40342
  arrival_times: [96x1 single] % aligned to the same time as
states_onset, to state 2
    dataset: 80
  perturbation: 0
  FR_average: 29.1457
```

accepted: 1  
FR: 25.3556

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