(1) Simulate movement

Execution file(s)
`1a_MoveSims_solitary.R`
OR `1b_MoveSims_group.R`

UNIX command
e.g., `Rscript --vanilla ./R/1b_MoveSims_group.R **hi 33 20**`
Arguments (in bold) are [density], [iter], [group_size] respectively*.

Output data location:
e.g., `Data/MovementSims/simDat_**hi_grp_20_33**.csv`

>>

(2) Generate detection data

Execution file(s)
`2_generateDetections.R`

UNIX command
e.g., `Rscript --vanilla ./R/2_generateDetections_HPC.R **hi 33 100 grp 20**`
Arguments (in bold) are [density], [iter], [nTraps], [behav], [gSize] respectively.
Requires input data:
`Data/MovementSims/simDat_**hi_grp_20_33**.csv` AND `Data/traps**100**.RData`*

Output data location:
e.g., 'Data/Detections/ctDat_**hi_grp_33_20_J100**.csv'

>>

(3) Get model estimates

Data preparation

Model analysis

Execution file(s)
`3a_analysisREM.R` OR
`3b_analysisREST.R` OR
`3c_analysisCTDS.R`

UNIX command
e.g., `Rscript --vanilla ./R/3a_analysisREM.R **hi 33 100 grp 20**`
Arguments (in bold) are [density], [iter], [nTraps], [behav], [gSize] respectively.
Requires input data:
'Data/Detections/ctDat_**hi_grp_33_20_J100**.csv'

Output data location**:
e.g., 'Data/Estimates/rem_imperfectDet.csv'

LEGEND

[behav]	**sol**itary or **gr**ou**p** behaviour
[density]	**hi**gh, **med**ium or **lo**w
[iter]	iteration or replicate index (int)
[nTraps]	no. of traps avail. for detection (**100** or **25**)
[gSize]	group size if [behav] is `grp`

NOTES
***Movement and population parameters in (1) and detection parameters in (2) are customisable within their respective execution files.
****To record method-specific estimates in (3), create an empty .csv to store them. Run commented-out code block at end of execution file.