

Usage

To calculate the multistep PDRF risk

In `MultiStep_PDRF_SeverityEstimation.xls`, sheet: `Risk_Estimation` , enter the crash probability of s with respect to neighbour in the columns O/P; at a given time step (rows) marked in green.

The crash probability can be estimated by the script, `MULTISTEP_PDRF.m`.

Remarks

The sheet: `Output_Data` contains the metrics used to plot Figure 12. The Notation used in this script are explained in sheet: `Risk_Estimation`

To create Figure 12

Place `MPDRF_VEH.xlsx`, `MPDRF_RISK.xlsx` and `MULTIPDRF_PLOTS.m` in a single folder, and run `MULTIPDRF_PLOTS.m`

Remarks

The values in the .xlsx sheets are copied results from `MultiStep_PDRF_SeverityEstimation.xls`.