There are 8 datasets that contain data on collision risk as a function of pedestrian starting position in a 2D grid. Each dataset corresponds to a simulation about a condition as the file's name suggests. This data is related to the work from Kurukuti et al. “Risk of pedestrian collision for persons with peripheral field loss: A computational analysis” OVS, 2024.

The following are the conditions and associated file names related to Fig. 2:

* Risk of collision with point pedestrians: Point\_Tmax\_5s.mat
* Risk of collision with volumetric pedestrians: Volume\_Tmax\_5s.mat
* Risk of collision with volumetric pedestrians with vision: Volume+Vision\_Tmax\_5s.mat

The following are the conditions and associated file names related to Fig. 5:

* Risk of collision with volumetric pedestrians with vision: Volume+Vision\_Tmax\_5s.mat
* Risk of collision with volumetric pedestrians with vision, for a peripheral field loss bicyclist: Volume+Vision\_bicycle\_16kms.mat

The following are the conditions and associated file names related to Supplementary Fig. 1:

* Risk of collision with volumetric pedestrians with vision with Tmax of 2sec: Volume+Vision\_Tmax\_2sec.mat
* Risk of collision with volumetric pedestrians with vision with Tmax of 5sec: Volume+Vision\_Tmax\_5sec.mat
* Risk of collision with volumetric pedestrians with vision with Tmax of 7sec: Volume+Vision\_Tmax\_7sec.mat

The following are the conditions and associated file names related to Supplementary Fig. 2:

* Risk of collision with volumetric pedestrians with vision at speeds in the range of 0.5m/s – 1m/s: Volume+Vision\_speed\_<1ms.mat
* Risk of collision with volumetric pedestrians with vision at speeds in the range of 0.7m/s – 1.5m/s: Volume+Vision\_Tmax\_5s.mat
* Risk of collision with volumetric pedestrians with vision at speeds in the range of 1m/s – 2m/s: Volume+Vision\_speed\_>1ms.mat

The content of each of the file is a structure with the name “Data”. The structure consists of the following variables:

* Ped: Parameters associated with the pedestrian
* Obs: Parameters associated with the peripheral field loss person
* Radial\_dist: Radial distance of the start position of the pedestrian with respect to the start position of the person with peripheral field loss
* Bearing: Bearing of the start position of the pedestrian with respect to the start position of the person with peripheral field loss

A MATLAB script is also provided that imports the dataset selected and remaps the risk associated with each start position of the pedestrian to display as a colormap and an associated colorbar.