GTR HR2
WebEx meeting 20150827

Johan Davidsson

Chalmers University of Technology

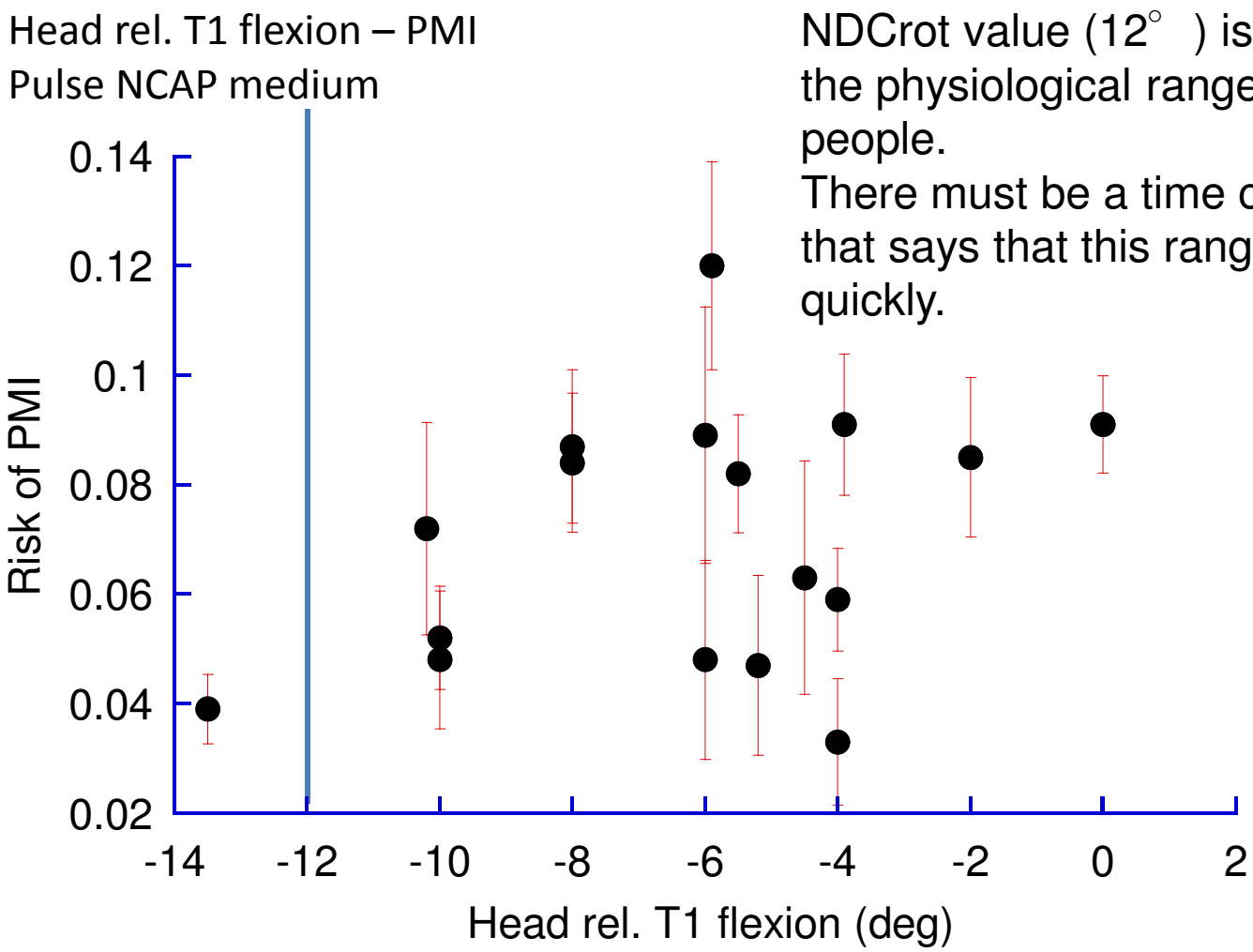
Correlation (R^2)

Head rel. T1 angular displacement around the y-axis Pulse NCAP medium = 16 km/h, average 5.5 g, triangular 10 g peak

Male and Female data	**Permanent Medical Impairment**			**Symptoms > 1 month**		
Parameter	Complete	Maximum	Minimum	Complete	Maximum	Minimum
HA-TA (extension)	0.35	0.42	0.31	0.53	0.58	0.47
HA-TA negative (flexion)	0.13	0.23	0.04	0.11	0.24	0.04

Maximum and Minimum refer to the values obtained in the analysis carried out when one of the 17 datasets was systematically removed

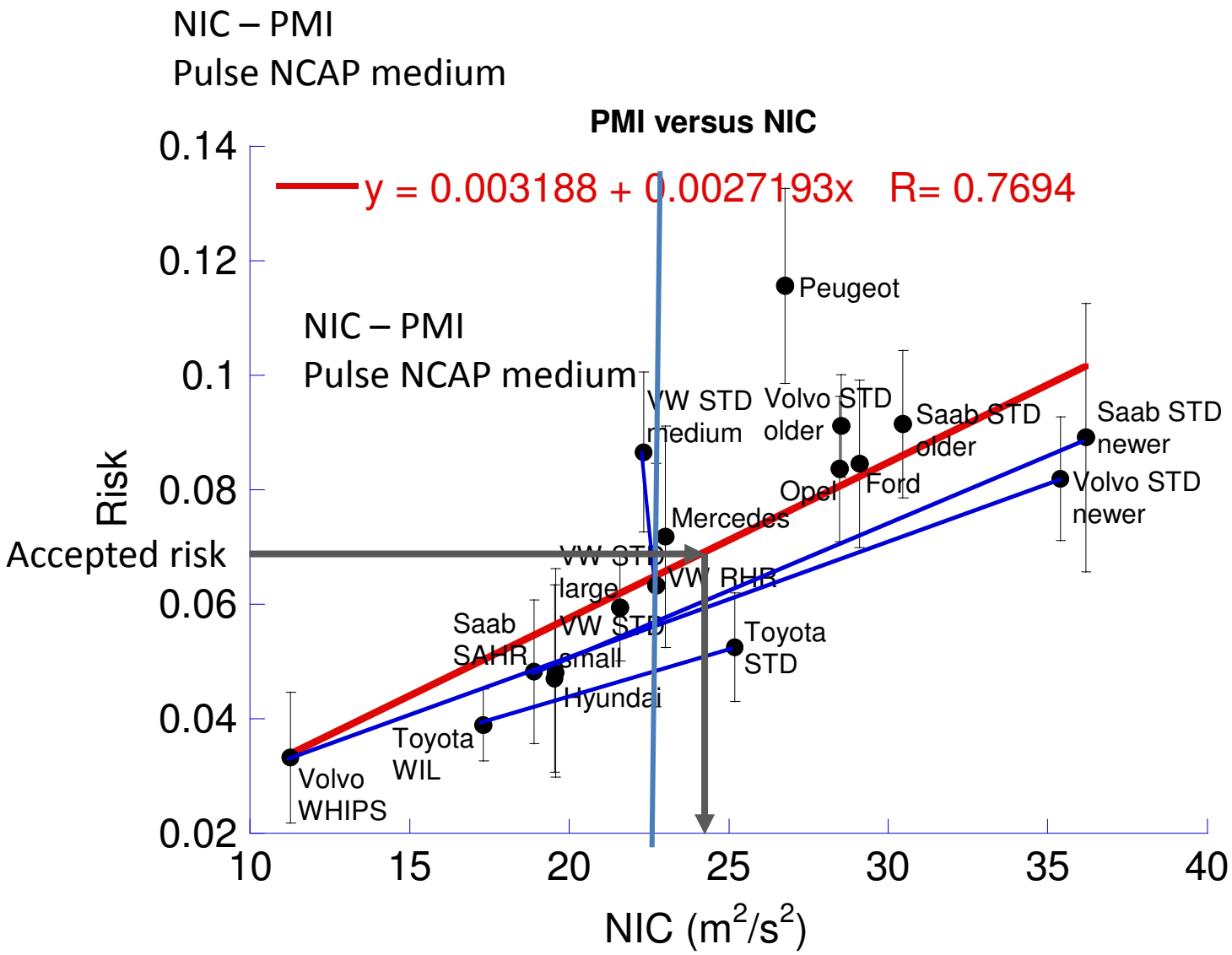
Correlation (R^2)



NDCrot value (12°) is well within the physiological range of most people.

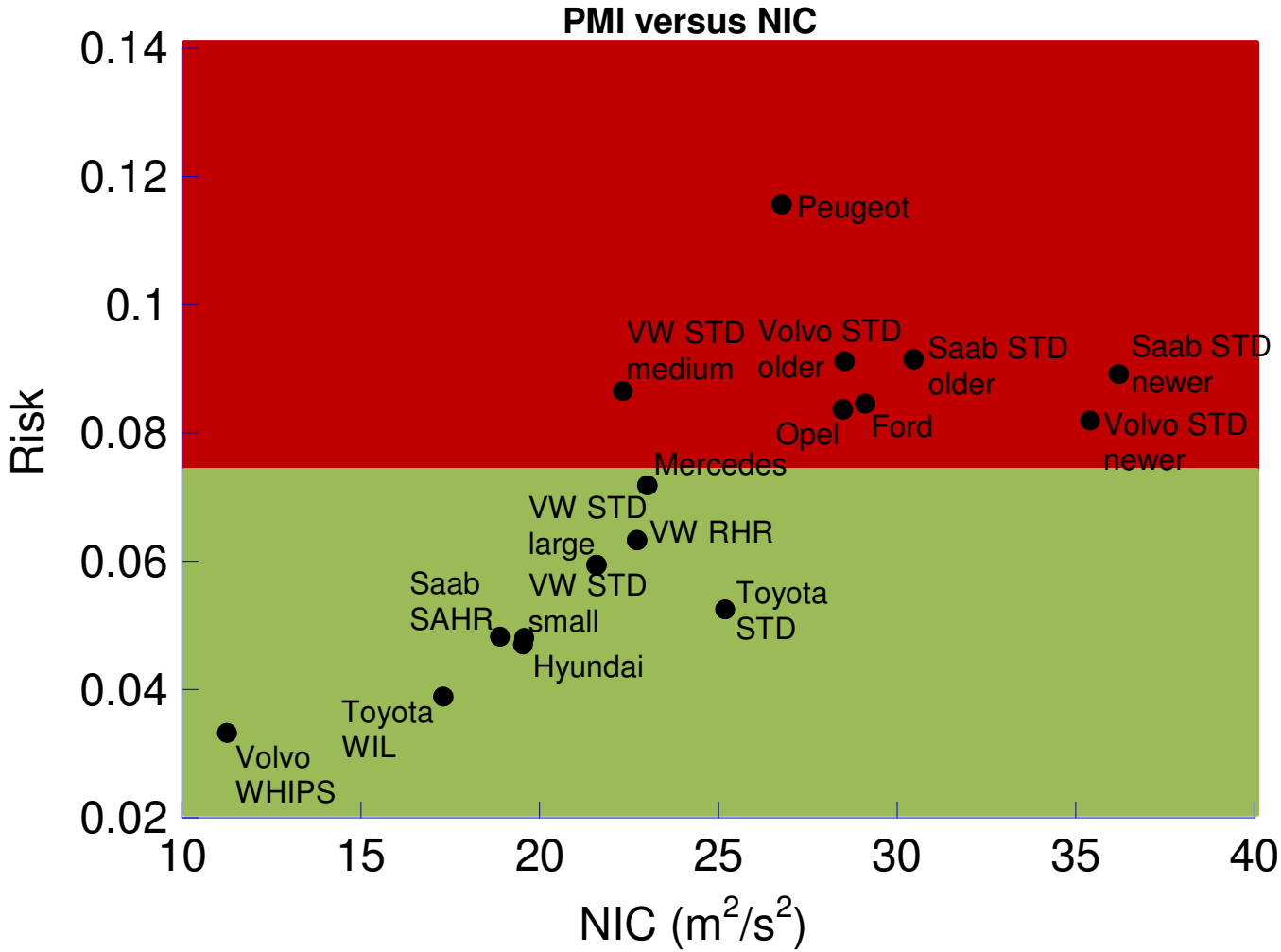
There must be a time component that says that this range happened quickly.

Correlation (R^2)

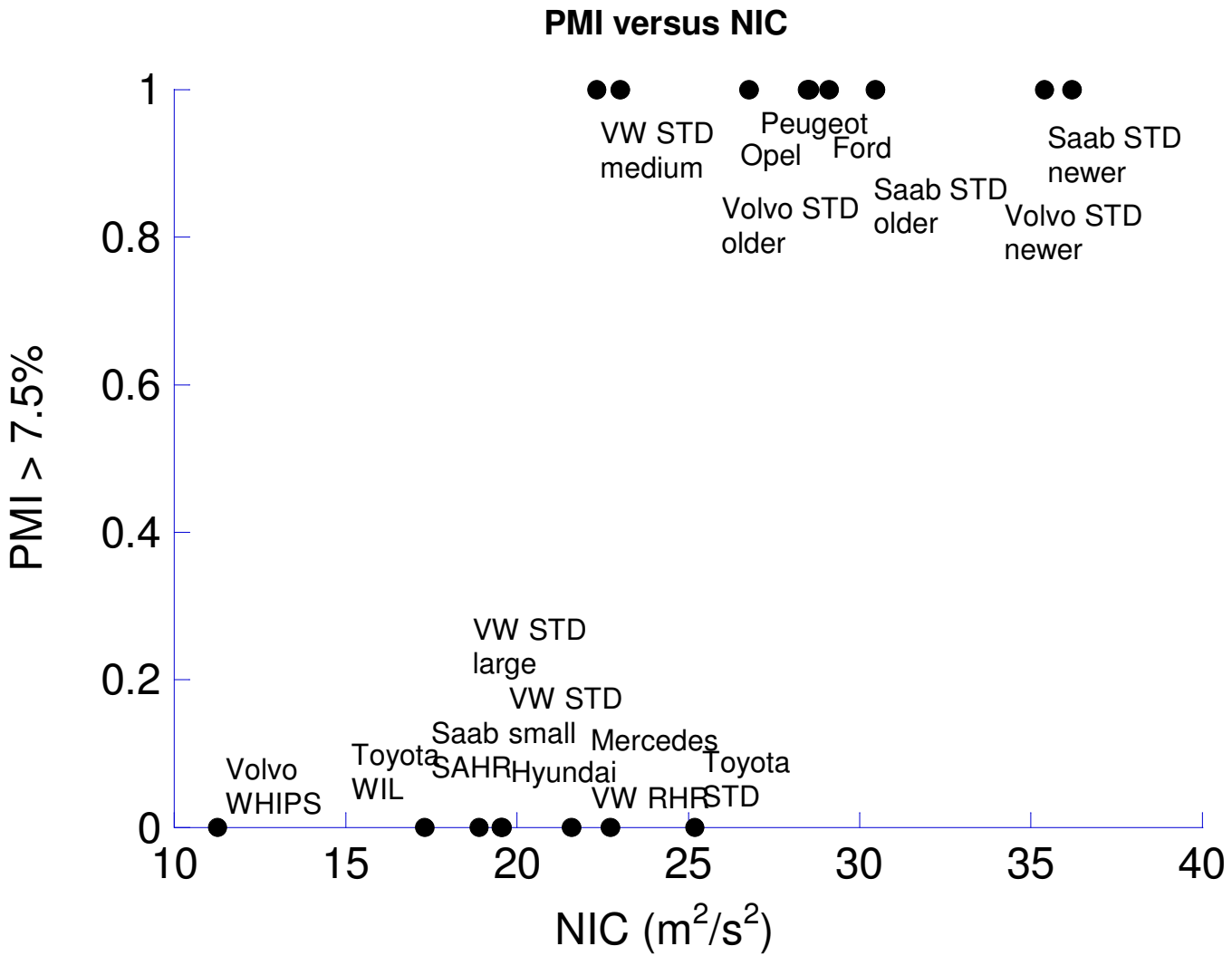


Example approach to develop a risk function 1

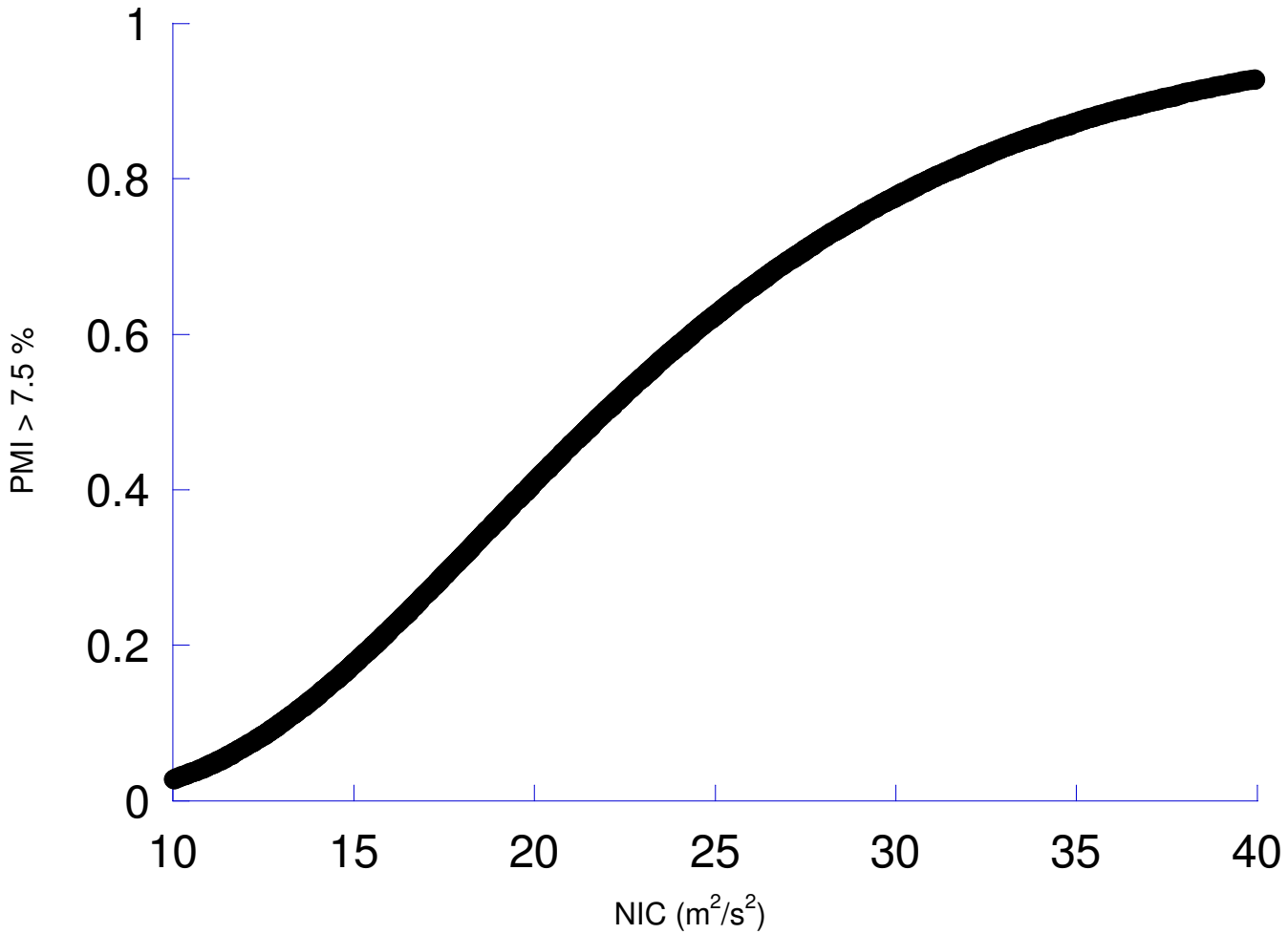
Make data binary



Example approach to develop a risk function 1



Example approach to develop a risk function 1



Example approach to develop a risk function 2

- Reconstruction of each accident.
- Since crash severity is unknown a generic pulse will be used.
- Occupant characteristics known but BioRID II only one size. No scaling can be applied.
- Since pre-crash occupant posture is unknown a default BioRID II posture will be used.