Accident Data: Side Impacts with Poles

Informal Group on a Pole Side Impact GTR (PSI)
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**Data Sources:**

- In-Depth-Data : **GIDAS**
- Police-Data : **German National Accident Data**
  *Volumes 2000 to 2009*

**Statistical Method**

-> *Merging data sources by “post stratification” (raking)*

**Detail for the experts:**
Post stratification “raking” was done by using the following marginal distributions:

- Cross tabulations of:
  - Accident with pole impact + accident side (rural or urban) + accident severity
  - Accident with pole impact + type of accident
  - Accident severity + kind of accident
Impetus angle pole side impacts to passenger compartment

Slight injuries

Front

Driver
Severe and fatal injuries

Impetus angle pole side impacts to passenger compartment
Impetus angle pole side impacts to passenger compartment

All injuries

Front

Passenger

Driver
Conclusions:
Severe injuries occur most frequent oblique from the driver side.
Conclusions:
Slight injuries occur most frequent oblique from the passenger side.
Thank you for your attention