**Data Dictionary**

**Table 1 Description of the Segment Variables**

| **Variable Names** | **Description** |
| --- | --- |
| *Dependent Variables* | |
| Tot\_crash | Total crash count |
| K | Fatal injury crash count |
| A | Incapacitating injury crash count |
| B | Non-incapacitating injury crash count |
| C | Possible injury crash count |
| O | No injury/PDO crash count |
| KP | Proportion of fatal injury crash count |
| AP | Proportion of incapacitating injury crash count |
| BP | Proportion of non-incapacitating injury crash count |
| CP | Proportion of possible injury crash count |
| OP | Proportion of no injury crash count |
| *Independent Variables* | |
| AADT | Annual Average Daily Traffic |
| LnAADT | Ln (Annual Average Daily Traffic) |
| Truck\_AADT | Annual Average Daily Truck Traffic |
| Ln\_TruckAADT | Ln (Annual Average Daily Truck Traffic) |
| %Truck | % Total truck traffic in AADT |
| %SUT | % Single unit truck traffic in AADT |
| HTZ | This value is set to 1, if the segment is located at high truck zone and 0 otherwise |
| Seg\_Length | Length of the segment, miles |
| LnSegL | Ln (Length of the segment, miles) |
| LW | Lane width, ft |
| OSW | Outside/Right shoulder width, ft |
| ISW | Inside/Left shoulder width, ft |
| ST | Shoulder type (paved or unpaved) |
| MW | Median width, ft |
| SL | Speed limit, mph |
| Year | Number of years |
| Ln\_Year | Ln (Number of years) |
| St\_CA | This value is set to 1, if the segment is from California state and 0 otherwise |
| St\_CT | This value is set to 1, if the segment is from Connecticut state and 0 otherwise |
| St\_FL | This value is set to 1, if the segment is from Florida state and 0 otherwise |
| St\_IL | This value is set to 1, if the segment is from Illinois state and 0 otherwise |
| St\_MN | This value is set to 1, if the segment is from Minnesota state and 0 otherwise |
| St\_TX | This value is set to 1, if the segment is from Texas state and 0 otherwise |
| St\_WA | This value is set to 1, if the segment is from Washington state and 0 otherwise |

**Table 2 Description of the Intersection Variables**

| **Variable Names** | **Description** |
| --- | --- |
| *Dependent Variables* | |
| Tot\_crash | Total crash count |
| K | Fatal injury crash count |
| A | Incapacitating injury crash count |
| B | Non-incapacitating injury crash count |
| C | Possible injury crash count |
| O | No injury/PDO crash count |
| KP | Proportion of fatal injury crash count |
| AP | Proportion of incapacitating injury crash count |
| BP | Proportion of non-incapacitating injury crash count |
| CP | Proportion of possible injury crash count |
| OP | Proportion of no injury crash count |
| *Independent Variables* | |
| MajAADT | Major road AADT |
| MinAADT | Minor road AADT |
| Ln(MajAADT) | Ln (Major road AADT) |
| Ln(MinAADT) | Ln (Minor road AADT) |
| Truck\_aadt | Total truck AADT of major and minor roads |
| Ln\_TruckAADT | Ln (Total truck AADT of major and minor roads) |
| %Truck | % Total truck traffic in total AADT |
| MajTruckAADT | Major road truck AADT |
| MinTruckAADT | Minor road truck AADT |
| %MajTruck | % Truck traffic in major road AADT |
| %MinTruck | % Truck traffic in minor road AADT |
| HTZ | This value is set to 1, if the intersection is located at high truck zone and 0 otherwise |
| MajLane | Number of lanes in major road |
| MinLane | Number of lanes in minor road |
| Light | Presence of light |
| MajSL | Major road speed limit, mph |
| Year | Number of years |
| Ln\_Year | Ln (Number of years) |
| St\_CA | This value is set to 1, if the segment is from California state and 0 otherwise |
| St\_CT | This value is set to 1, if the segment is from Connecticut state and 0 otherwise |
| St\_FL | This value is set to 1, if the segment is from Florida state and 0 otherwise |
| St\_MN | This value is set to 1, if the segment is from Minnesota state and 0 otherwise |