

**RESULTADOS DE ANÁLISIS DE MINERÍA DE DATOS DE HECHOS DE TRÁNSITO DE MÉXICO DEL AÑO 2012**

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**Fuente: Base de datos de accidentes de tránsito por municipio o delegación (ATUS), del Instituto Nacional de Estadística y Geografía (INEGI), 2012**

**http://www3.inegi.org.mx/sistemas/microdatos/encuestas.aspx?c=33482&s=est**

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# **1. Resultados globales**

|  |  |  |  |
| --- | --- | --- | --- |
| **Entidad** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| NL | 68195 | 17.5% | 17.5% |
| Jal | 56327 | 14.4% | 31.9% |
| Chih | 30382 | 7.8% | 39.7% |
| Gto | 18377 | 4.7% | 44.4% |
| BC | 17341 | 4.4% | 48.8% |
| CDMX | 17120 | 4.4% | 53.2% |
| Qro | 14207 | 3.6% | 56.9% |
| Tamps | 12808 | 3.3% | 60.1% |
| Son | 11945 | 3.1% | 63.2% |
| Pue | 11428 | 2.9% | 66.1% |
| Coah | 11174 | 2.9% | 69.0% |
| QR | 10390 | 2.7% | 71.6% |
| Mex | 9480 | 2.4% | 74.1% |
| Mich | 9431 | 2.4% | 76.5% |
| Sin | 9025 | 2.3% | 78.8% |
| Ver | 8960 | 2.3% | 81.1% |
| Mor | 8877 | 2.3% | 83.4% |
| Yuc | 6918 | 1.8% | 85.1% |
| Col | 6708 | 1.7% | 86.9% |
| Dgo | 6072 | 1.6% | 88.4% |
| Ags | 4928 | 1.3% | 89.7% |
| SLP | 4829 | 1.2% | 90.9% |
| BCS | 4597 | 1.2% | 92.1% |
| Gro | 4214 | 1.1% | 93.2% |
| Hgo | 4161 | 1.1% | 94.2% |
| Camp | 3936 | 1.0% | 95.2% |
| Oax | 3863 | 1.0% | 96.2% |
| Tlax | 3737 | 1.0% | 97.2% |
| Tab | 3272 | 0.8% | 98.0% |
| Chis | 2699 | 0.7% | 98.7% |
| Nay | 2600 | 0.7% | 99.4% |
| Zac | 2410 | 0.6% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **23661.3** |  |  |

**Tabla 1** Hechos de tránsito por entidad

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|  |  |  |  |
| --- | --- | --- | --- |
| **MES** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Marzo | 34514 | 8.8% | 8.8% |
| Diciembre | 34089 | 8.7% | 17.6% |
| Noviembre | 33480 | 8.6% | 26.1% |
| Junio | 33422 | 8.6% | 34.7% |
| Mayo | 33325 | 8.5% | 43.2% |
| Octubre | 32891 | 8.4% | 51.7% |
| Agosto | 31846 | 8.2% | 59.8% |
| Julio | 31650 | 8.1% | 67.9% |
| Enero | 31612 | 8.1% | 76.0% |
| Febrero | 31403 | 8.0% | 84.1% |
| Septiembre | 31310 | 8.0% | 92.1% |
| Abril | 30869 | 7.9% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **32534.3** |  |  |

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\MES\analisis-pareto.tifTabla 2 Hechos de tránsito por mes.

|  |  |  |  |
| --- | --- | --- | --- |
| **Hora** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 15 | 23128 | 5.9% | 5.9% |
| 14 | 22788 | 5.8% | 11.8% |
| 8 | 22242 | 5.7% | 17.5% |
| 18 | 22206 | 5.7% | 23.1% |
| 19 | 21583 | 5.5% | 28.7% |
| 16 | 21529 | 5.5% | 34.2% |
| 17 | 20960 | 5.4% | 39.6% |
| 9 | 20412 | 5.2% | 44.8% |
| 13 | 20388 | 5.2% | 50.0% |
| 12 | 20003 | 5.1% | 55.1% |
| 20 | 19190 | 4.9% | 60.0% |
| 11 | 18495 | 4.7% | 64.8% |
| 10 | 18390 | 4.7% | 69.5% |
| 7 | 16750 | 4.3% | 73.8% |
| 21 | 16329 | 4.2% | 78.0% |
| 22 | 14474 | 3.7% | 81.7% |
| 23 | 11959 | 3.1% | 84.7% |
| 0 | 11807 | 3.0% | 87.8% |
| 1 | 9175 | 2.4% | 90.1% |
| 2 | 8711 | 2.2% | 92.3% |
| 6 | 8671 | 2.2% | 94.6% |
| 3 | 7772 | 2.0% | 96.6% |
| 4 | 6874 | 1.8% | 98.3% |
| 5 | 6428 | 1.6% | 100.0% |
| 99 | 147 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **15616.4** |  |  |

Tabla 3 Hechos de tránsito por hora del día.



|  |  |  |  |
| --- | --- | --- | --- |
| **Día** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 14 | 13388 | 3.4% | 3.4% |
| 16 | 13366 | 3.4% | 6.9% |
| 18 | 13276 | 3.4% | 10.3% |
| 15 | 13168 | 3.4% | 13.6% |
| 1 | 13148 | 3.4% | 17.0% |
| 20 | 13105 | 3.4% | 20.4% |
| 17 | 13034 | 3.3% | 23.7% |
| 3 | 13022 | 3.3% | 27.0% |
| 9 | 12993 | 3.3% | 30.4% |
| 21 | 12970 | 3.3% | 33.7% |
| 10 | 12968 | 3.3% | 37.0% |
| 28 | 12958 | 3.3% | 40.3% |
| 8 | 12932 | 3.3% | 43.6% |
| 7 | 12875 | 3.3% | 46.9% |
| 4 | 12871 | 3.3% | 50.2% |
| 13 | 12850 | 3.3% | 53.5% |
| 22 | 12810 | 3.3% | 56.8% |
| 23 | 12788 | 3.3% | 60.1% |
| 2 | 12784 | 3.3% | 63.3% |
| 29 | 12778 | 3.3% | 66.6% |
| 24 | 12613 | 3.2% | 69.8% |
| 11 | 12490 | 3.2% | 73.0% |
| 12 | 12479 | 3.2% | 76.2% |
| 5 | 12460 | 3.2% | 79.4% |
| 27 | 12408 | 3.2% | 82.6% |
| 25 | 12396 | 3.2% | 85.8% |
| 26 | 12306 | 3.2% | 88.9% |
| 19 | 12196 | 3.1% | 92.1% |
| 6 | 12094 | 3.1% | 95.2% |
| 30 | 11664 | 3.0% | 98.2% |
| 31 | 7221 | 1.8% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **12593.9** |  |  |

Tabla 4 Hechos de tránsito por día del mes.

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|  |  |  |  |
| --- | --- | --- | --- |
| **DIASEMANA** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Sábado | 63141 | 16.2% | 16.2% |
| Viernes | 60090 | 15.4% | 31.6% |
| Domingo | 57071 | 14.6% | 46.2% |
| Lunes | 54241 | 13.9% | 60.1% |
| Jueves | 52784 | 13.5% | 73.6% |
| Miércoles | 51853 | 13.3% | 86.9% |
| Martes | 51231 | 13.1% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **55773** |  |  |

Tabla 5 Hechos de tránsito por día de la semana.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Zona urbana** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Accidente en intersección | 271637 | 69.6% | 69.6% |
| Accidente en no intersección | 90248 | 23.1% | 92.7% |
| Sin accidente en esta zona | 28526 | 7.3% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **130137** |  |  |

Tabla 6 Hechos de tránsito por su ubicación dentro de zona urbana.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Zona suburbana** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Sin accidente en esta zona | 361885 | 92.7% | 92.7% |
| Accidente en carretera estatal | 20549 | 5.3% | 98.0% |
| Accidente en camino rural | 4628 | 1.2% | 99.1% |
| Accidentes en otro camino | 3349 | 0.9% | 100.0% |
| **Total** | **390411** |  |  |
| **Promedio** | **97602.75** |  |  |

Tabla 7 Hechos de tránsito por su ubicación en zona suburbana.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Tipo de accidente** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Colisión con vehículo automotor | 274310 | 70.3% | 70.3% |
| Colisión con objeto fijo | 43728 | 11.2% | 81.5% |
| Colisión con motocicleta | 25688 | 6.6% | 88.0% |
| Colisión con peatón (atropellamiento) | 15668 | 4.0% | 92.1% |
| Salida del camino | 8010 | 2.1% | 94.1% |
| Volcadura | 7704 | 2.0% | 96.1% |
| Colisión con ciclista | 5916 | 1.5% | 97.6% |
| Otro | 4259 | 1.1% | 98.7% |
| Caída de pasajero | 2837 | 0.7% | 99.4% |
| Colisión con animal | 1706 | 0.4% | 99.9% |
| Incendio | 335 | 0.1% | 99.9% |
| Colisión con ferrocarril | 250 | 0.1% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 8 Hechos de tránsito por tipo de accidente

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  | | --- | | **Automóviles involucrados** | | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 1 | 178666 | 45.8% | 45.8% |
| 2 | 123712 | 31.7% | 77.5% |
| 0 | 79417 | 20.3% | 97.8% |
| 3 | 7447 | 1.9% | 99.7% |
| 4 | 945 | 0.2% | 99.9% |
| 5 | 161 | 0.0% | 100.0% |
| 6 | 43 | 0.0% | 100.0% |
| 8 | 11 | 0.0% | 100.0% |
| 7 | 8 | 0.0% | 100.0% |
| 9 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 9 Hechos de tránsito con base en el número de automóviles involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Camionetas de pasajeros involucradas** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| **0** | **324389** | **83.1%** | **83.1%** |
| 1 | 57601 | 14.8% | 97.8% |
| 2 | 8182 | 2.1% | 99.9% |
| 3 | 211 | 0.1% | 100.0% |
| 4 | 23 | 0.0% | 100.0% |
| 5 | 3 | 0.0% | 100.0% |
| 9 | 1 | 0.0% | 100.0% |
| 7 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 10 Hechos de tránsito con base en el número de camionetas de pasajeros involucradas.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Microbuses involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 376909 | 96.5% | 96.5% |
| 1 | 12705 | 3.3% | 99.8% |
| 2 | 788 | 0.2% | 100.0% |
| 3 | 9 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 11 Hechos de tránsito con base en el número de microbuses involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Camiones urbanos de pasajeros involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 371757 | 95.2% | 95.2% |
| 1 | 17123 | 4.4% | 99.6% |
| 2 | 1492 | 0.4% | 100.0% |
| 3 | 38 | 0.0% | 100.0% |
| 4 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 12 Hechos de tránsito con base en el número de camiones urbanos de pasajeros involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Omnibuses involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 383867 | 98.3% | 98.3% |
| 1 | 6252 | 1.6% | 99.9% |
| 2 | 289 | 0.1% | 100.0% |
| 3 | 3 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\OMNIBUS\analisis-pareto.tifTabla 13 Hechos de tránsito con base en el número de omnibuses involucrados.

|  |  |  |  |
| --- | --- | --- | --- |
| **Trolebuses o tranvías involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 390298 | 100.0% | 100.0% |
| 1 | 113 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 14 Hechos de tránsito con base en el número de trolebuses o tranvías involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Camionetas de carga involucradas** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 311145 | 79.7% | 79.7% |
| 1 | 70256 | 18.0% | 97.7% |
| 2 | 8733 | 2.2% | 99.9% |
| 3 | 250 | 0.1% | 100.0% |
| 4 | 23 | 0.0% | 100.0% |
| 5 | 3 | 0.0% | 100.0% |
| 6 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 15 Hechos de tránsito con base en el número de camionetas de carga involucradas.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Camiones de carga involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 373149 | 95.6% | 95.6% |
| 1 | 16505 | 4.2% | 99.8% |
| 2 | 743 | 0.2% | 100.0% |
| 3 | 12 | 0.0% | 100.0% |
| 8 | 1 | 0.0% | 100.0% |
| 4 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 16 Hechos de tránsito con base en el número de camiones de carga involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Tractores con o sin remolque involucrados** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 381328 | 97.7% | 97.7% |
| 1 | 8893 | 2.3% | 100.0% |
| 2 | 187 | 0.0% | 100.0% |
| 3 | 3 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 17Hechos de tránsito con base en el número de tractores involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Ferrocarriles** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 390047 | 99.9% | 99.9% |
| 1 | 364 | 0.1% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 18 Hechos de tránsito con base en el número de ferrocarriles involucrados.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Motocicletas involucradas** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 351205 | 90.0% | 90.0% |
| 1 | 37753 | 9.7% | 99.6% |
| 2 | 1434 | 0.4% | 100.0% |
| 3 | 16 | 0.0% | 100.0% |
| 4 | 2 | 0.0% | 100.0% |
| 7 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 19 Hechos de tránsito con base en el número de motocicletas involucradas.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Bicicletas involucradas** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 382914 | 98.1% | 98.1% |
| 1 | 7427 | 1.9% | 100.0% |
| 2 | 65 | 0.0% | 100.0% |
| 3 | 3 | 0.0% | 100.0% |
| 4 | 1 | 0.0% | 100.0% |
| 7 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 20 Hechos de tránsito con base en el número de bicicletas involucradas.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Otro tipo de vehículo involucrado** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 379534 | 97.2% | 97.2% |
| 1 | 9989 | 2.6% | 99.8% |
| 2 | 847 | 0.2% | 100.0% |
| 3 | 33 | 0.0% | 100.0% |
| 4 | 6 | 0.0% | 100.0% |
| 6 | 1 | 0.0% | 100.0% |
| 5 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\OTROVEHIC\analisis-pareto.tifTabla 21 Hechos de tránsito con base en el número de otro tipo de vehículos involucrados.

|  |  |  |  |
| --- | --- | --- | --- |
| **Causa probable o presunta** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Conductor | 371718 | 95.2% | 95.2% |
| Mala condición del camino | 8064 | 2.1% | 97.3% |
| Otra | 4174 | 1.1% | 98.3% |
| Peatón o pasajero | 3612 | 0.9% | 99.3% |
| Falla del vehículo | 2843 | 0.7% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 22 Causas presuntas o probables.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Capa de rodamiento** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Pavimentada | 383987 | 98.4% | 98.4% |
| No Pavimentada | 6424 | 1.6% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 23 Capa de rodamiento del lugar del hecho de tránsito.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Sexo del conductor presunto responsable** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Hombre | 285040 | 73.0% | 73.0% |
| Se fugó | 56109 | 14.4% | 87.4% |
| Mujer | 49262 | 12.6% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 24 Sexo del conductor presunto responsable.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Aliento alcohólico** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| No | 218054 | 55.9% | 55.9% |
| Se ignora | 143860 | 36.8% | 92.7% |
| Sí | 28497 | 7.3% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 25 Aliento alcohólico en el conductor presunto responsable.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Usó cinturón de seguridad** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| Se ignora | 200334 | 51.3% | 51.3% |
| No | 97031 | 24.9% | 76.2% |
| Sí | 93046 | 23.8% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 26 Cinturón de seguridad en el conductor presunto responsable.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Conductores muertos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 388175 | 99.4% | 99.4% |
| 1 | 2174 | 0.6% | 100.0% |
| 2 | 51 | 0.0% | 100.0% |
| 3 | 3 | 0.0% | 100.0% |
| 7 | 3 | 0.0% | 100.0% |
| 5 | 3 | 0.0% | 100.0% |
| 8 | 1 | 0.0% | 100.0% |
| 4 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 27 Cantidades de conductores muertos.

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\CONDMUERTO\analisis-pareto.tif

|  |  |  |  |
| --- | --- | --- | --- |
| **Conductores heridos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 342089 | 87.6% | 87.6% |
| 1 | 43680 | 11.2% | 98.8% |
| 2 | 4402 | 1.1% | 99.9% |
| 3 | 188 | 0.0% | 100.0% |
| 4 | 34 | 0.0% | 100.0% |
| 5 | 10 | 0.0% | 100.0% |
| 7 | 3 | 0.0% | 100.0% |
| 6 | 3 | 0.0% | 100.0% |
| 8 | 1 | 0.0% | 100.0% |
| 9 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 28 Cantidades de conductores heridos.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Pasajeros muertos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 389235 | 99.7% | 99.7% |
| 1 | 980 | 0.3% | 99.9% |
| 2 | 132 | 0.0% | 100.0% |
| 3 | 39 | 0.0% | 100.0% |
| 4 | 12 | 0.0% | 100.0% |
| 6 | 5 | 0.0% | 100.0% |
| 10 | 4 | 0.0% | 100.0% |
| 5 | 3 | 0.0% | 100.0% |
| 8 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 29 Cantidades de pasajeros muertos.

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\PASAMUERTO\analisis-pareto.tif

|  |  |  |  |
| --- | --- | --- | --- |
| **Peatones muertos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 389141 | 99.7% | 99.7% |
| 1 | 1242 | 0.3% | 100.0% |
| 2 | 24 | 0.0% | 100.0% |
| 3 | 4 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 30 Cantidades de peatones muertos.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Peatones heridos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 374374 | 95.9% | 95.9% |
| 1 | 14990 | 3.8% | 99.7% |
| 2 | 885 | 0.2% | 100.0% |
| 3 | 125 | 0.0% | 100.0% |
| 4 | 25 | 0.0% | 100.0% |
| 5 | 7 | 0.0% | 100.0% |
| 6 | 4 | 0.0% | 100.0% |
| 7 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 31 Cantidades de peatones heridos.

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\PEATHERIDO\analisis-pareto.tif

|  |  |  |  |
| --- | --- | --- | --- |
| **Ciclistas muertos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 390170 | 99.9% | 99.9% |
| 1 | 238 | 0.1% | 100.0% |
| 2 | 2 | 0.0% | 100.0% |
| 3 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 32 Tabla 32. Cantidades de ciclistas muertos.

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\CICLMUERTO\analisis-pareto.tif

|  |  |  |  |
| --- | --- | --- | --- |
| **Ciclistas heridos** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 385568 | 98.8% | 98.8% |
| 1 | 4744 | 1.2% | 100.0% |
| 2 | 95 | 0.0% | 100.0% |
| 3 | 4 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 33 Cantidades de ciclistas heridos.

C:\Users\Alfredo\Documents\ProyectoTercerParcialIA\CICLHERIDO\analisis-pareto.tif

|  |  |  |  |
| --- | --- | --- | --- |
| **Otro tipo de muerto** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 390326 | 100.0% | 100.0% |
| 1 | 83 | 0.0% | 100.0% |
| 2 | 2 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 34 Cantidades de otro tipo de muertos.

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|  |  |  |  |
| --- | --- | --- | --- |
| **Otro tipo de herido\*** | **Hechos de tránsito** | **Frec. Rel** | **Frec. Rel. Acum.** |
| 0 | 389968 | 99.9% | 99.9% |
| 1 | 379 | 0.1% | 100.0% |
| 2 | 62 | 0.0% | 100.0% |
| 3 | 1 | 0.0% | 100.0% |
| 4 | 1 | 0.0% | 100.0% |
| **Total** | **390411** |  |  |

Tabla 35 Cantidades de otro tipo de heridos.

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