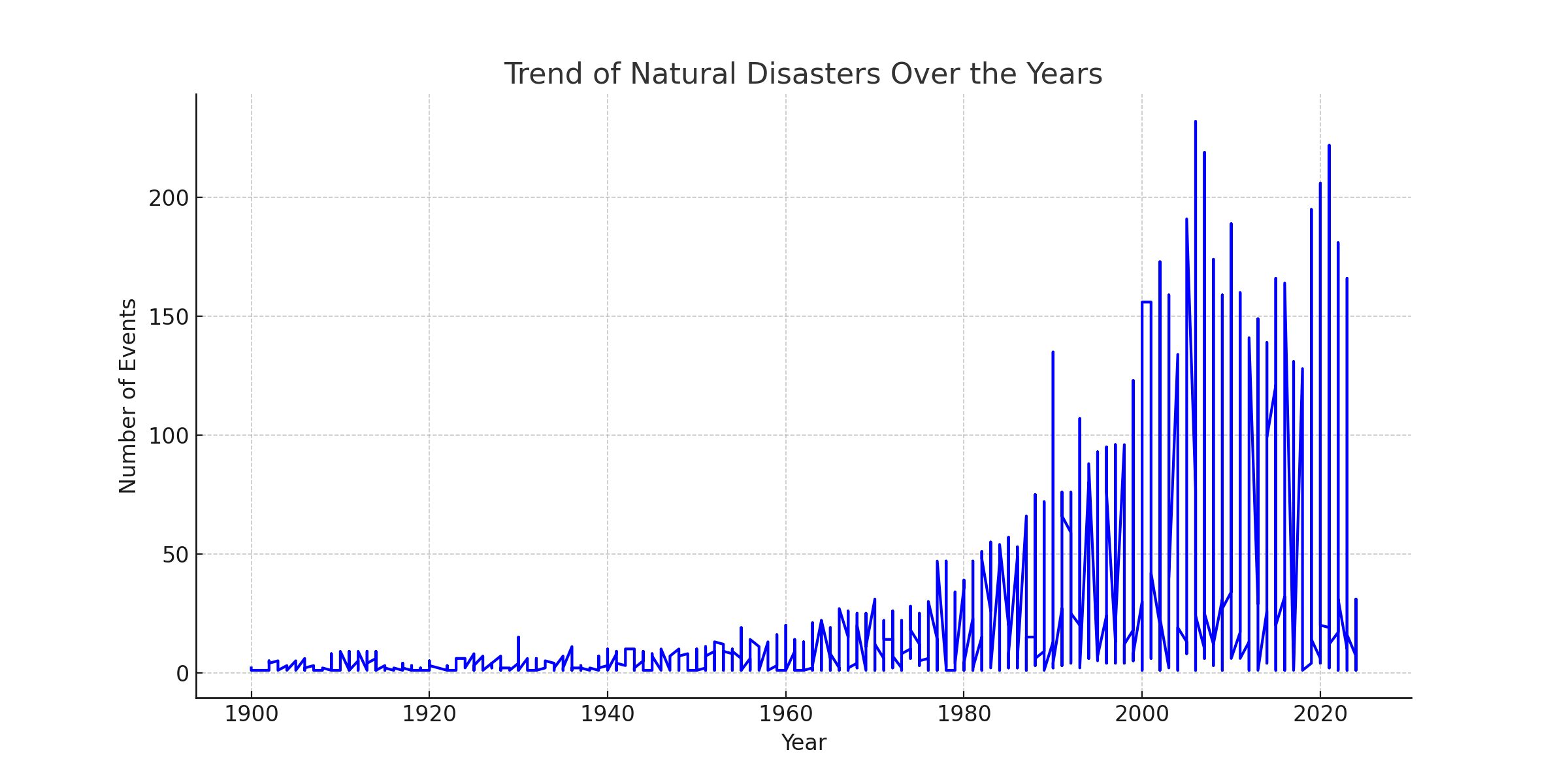
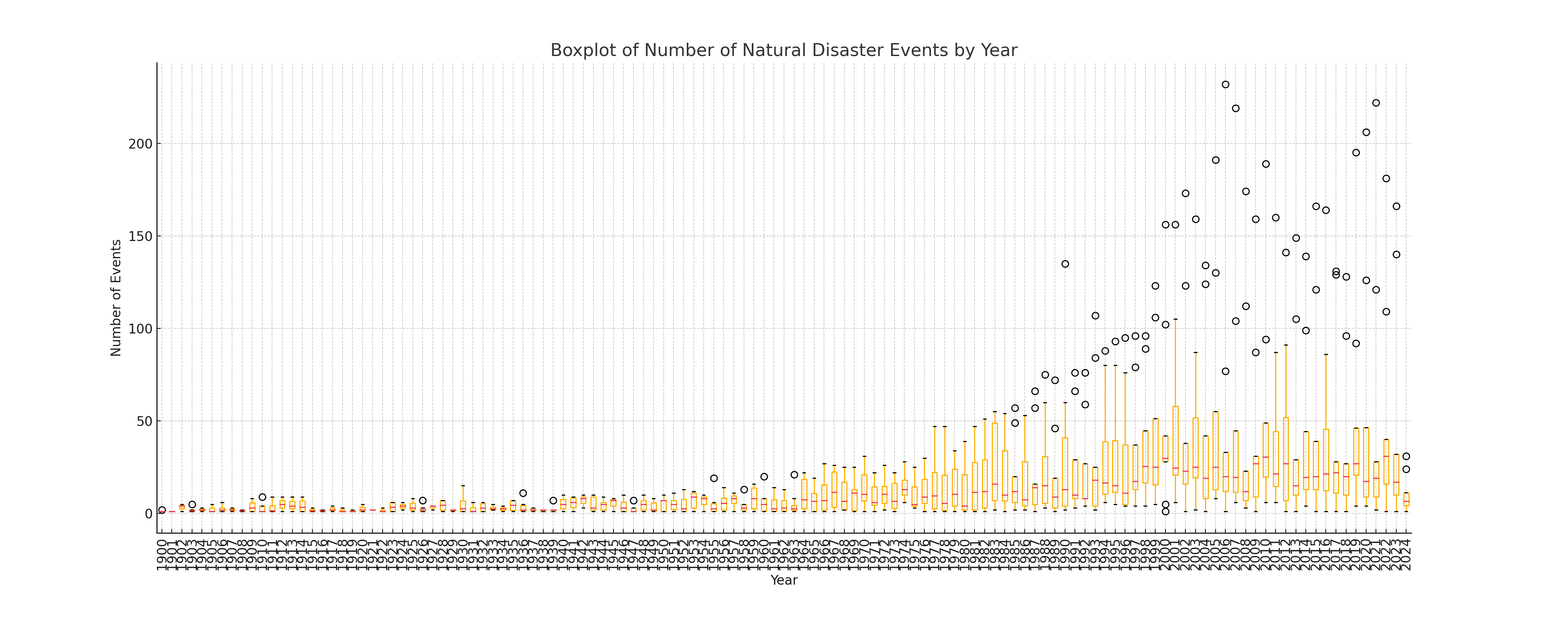
Natural Disasters Data Report

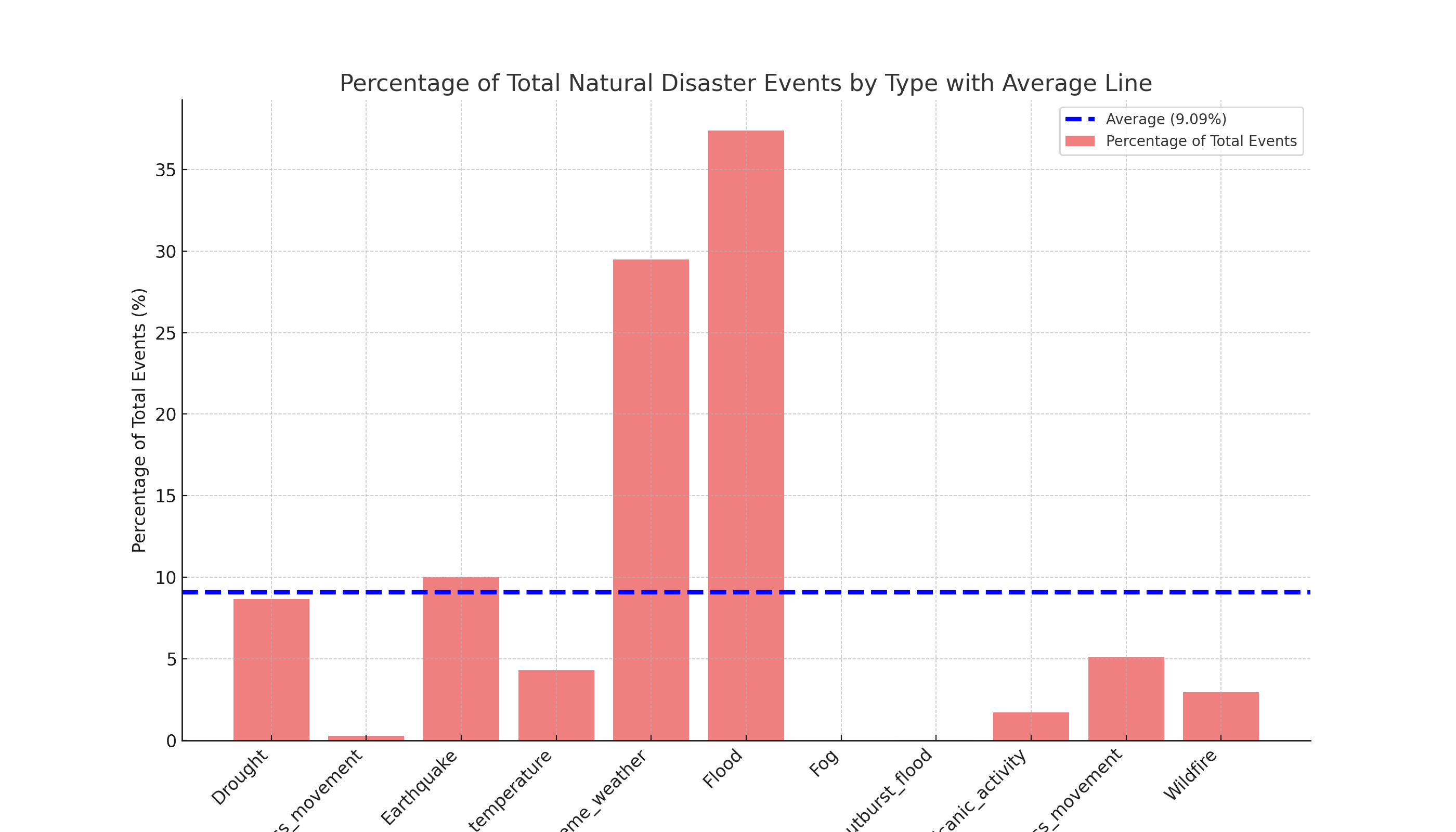
# Trend of Natural Disasters Over the Years



# Boxplot of Number of Natural Disaster Events by Year



# Percentage of Total Natural Disaster Events by Type



# Correlation Analysis

|  |  |  |
| --- | --- | --- |
| Disaster | Compared With | Correlation Coefficient |
| Drought | Drought | 1.00 |
| Dry\_mass\_movement | Drought | 0.39 |
| Earthquake | Drought | 0.79 |
| Extreme\_temperature | Drought | 0.67 |
| Extreme\_weather | Drought | 0.79 |
| Flood | Drought | 0.76 |
| Fog | Drought | -0.08 |
| Glacial\_lake\_outburst\_flood | Drought | 0.19 |
| Volcanic\_activity | Drought | 0.69 |
| Wet\_mass\_movement | Drought | 0.79 |
| Wildfire | Drought | 0.78 |
| Drought | Dry\_mass\_movement | 0.39 |
| Dry\_mass\_movement | Dry\_mass\_movement | 1.00 |
| Earthquake | Dry\_mass\_movement | 0.35 |
| Extreme\_temperature | Dry\_mass\_movement | 0.20 |
| Extreme\_weather | Dry\_mass\_movement | 0.37 |
| Flood | Dry\_mass\_movement | 0.23 |
| Fog | Dry\_mass\_movement | -0.04 |
| Glacial\_lake\_outburst\_flood | Dry\_mass\_movement | -0.07 |
| Volcanic\_activity | Dry\_mass\_movement | 0.36 |
| Wet\_mass\_movement | Dry\_mass\_movement | 0.29 |
| Wildfire | Dry\_mass\_movement | 0.20 |
| Drought | Earthquake | 0.79 |
| Dry\_mass\_movement | Earthquake | 0.35 |
| Earthquake | Earthquake | 1.00 |
| Extreme\_temperature | Earthquake | 0.72 |
| Extreme\_weather | Earthquake | 0.89 |
| Flood | Earthquake | 0.82 |
| Fog | Earthquake | 0.00 |
| Glacial\_lake\_outburst\_flood | Earthquake | 0.24 |
| Volcanic\_activity | Earthquake | 0.69 |
| Wet\_mass\_movement | Earthquake | 0.78 |
| Wildfire | Earthquake | 0.79 |
| Drought | Extreme\_temperature | 0.67 |
| Dry\_mass\_movement | Extreme\_temperature | 0.20 |
| Earthquake | Extreme\_temperature | 0.72 |
| Extreme\_temperature | Extreme\_temperature | 1.00 |
| Extreme\_weather | Extreme\_temperature | 0.74 |
| Flood | Extreme\_temperature | 0.83 |
| Fog | Extreme\_temperature | -0.05 |
| Glacial\_lake\_outburst\_flood | Extreme\_temperature | 0.13 |
| Volcanic\_activity | Extreme\_temperature | 0.58 |
| Wet\_mass\_movement | Extreme\_temperature | 0.73 |
| Wildfire | Extreme\_temperature | 0.69 |
| Drought | Extreme\_weather | 0.79 |
| Dry\_mass\_movement | Extreme\_weather | 0.37 |
| Earthquake | Extreme\_weather | 0.89 |
| Extreme\_temperature | Extreme\_weather | 0.74 |
| Extreme\_weather | Extreme\_weather | 1.00 |
| Flood | Extreme\_weather | 0.92 |
| Fog | Extreme\_weather | -0.06 |
| Glacial\_lake\_outburst\_flood | Extreme\_weather | 0.29 |
| Volcanic\_activity | Extreme\_weather | 0.74 |
| Wet\_mass\_movement | Extreme\_weather | 0.87 |
| Wildfire | Extreme\_weather | 0.82 |
| Drought | Flood | 0.76 |
| Dry\_mass\_movement | Flood | 0.23 |
| Earthquake | Flood | 0.82 |
| Extreme\_temperature | Flood | 0.83 |
| Extreme\_weather | Flood | 0.92 |
| Flood | Flood | 1.00 |
| Fog | Flood | -0.06 |
| Glacial\_lake\_outburst\_flood | Flood | 0.33 |
| Volcanic\_activity | Flood | 0.76 |
| Wet\_mass\_movement | Flood | 0.85 |
| Wildfire | Flood | 0.84 |
| Drought | Fog | -0.08 |
| Dry\_mass\_movement | Fog | -0.04 |
| Earthquake | Fog | 0.00 |
| Extreme\_temperature | Fog | -0.05 |
| Extreme\_weather | Fog | -0.06 |
| Flood | Fog | -0.06 |
| Fog | Fog | 1.00 |
| Glacial\_lake\_outburst\_flood | Fog | -0.01 |
| Volcanic\_activity | Fog | -0.04 |
| Wet\_mass\_movement | Fog | -0.06 |
| Wildfire | Fog | -0.06 |
| Drought | Glacial\_lake\_outburst\_flood | 0.19 |
| Dry\_mass\_movement | Glacial\_lake\_outburst\_flood | -0.07 |
| Earthquake | Glacial\_lake\_outburst\_flood | 0.24 |
| Extreme\_temperature | Glacial\_lake\_outburst\_flood | 0.13 |
| Extreme\_weather | Glacial\_lake\_outburst\_flood | 0.29 |
| Flood | Glacial\_lake\_outburst\_flood | 0.33 |
| Fog | Glacial\_lake\_outburst\_flood | -0.01 |
| Glacial\_lake\_outburst\_flood | Glacial\_lake\_outburst\_flood | 1.00 |
| Volcanic\_activity | Glacial\_lake\_outburst\_flood | 0.25 |
| Wet\_mass\_movement | Glacial\_lake\_outburst\_flood | 0.17 |
| Wildfire | Glacial\_lake\_outburst\_flood | 0.33 |
| Drought | Volcanic\_activity | 0.69 |
| Dry\_mass\_movement | Volcanic\_activity | 0.36 |
| Earthquake | Volcanic\_activity | 0.69 |
| Extreme\_temperature | Volcanic\_activity | 0.58 |
| Extreme\_weather | Volcanic\_activity | 0.74 |
| Flood | Volcanic\_activity | 0.76 |
| Fog | Volcanic\_activity | -0.04 |
| Glacial\_lake\_outburst\_flood | Volcanic\_activity | 0.25 |
| Volcanic\_activity | Volcanic\_activity | 1.00 |
| Wet\_mass\_movement | Volcanic\_activity | 0.67 |
| Wildfire | Volcanic\_activity | 0.66 |
| Drought | Wet\_mass\_movement | 0.79 |
| Dry\_mass\_movement | Wet\_mass\_movement | 0.29 |
| Earthquake | Wet\_mass\_movement | 0.78 |
| Extreme\_temperature | Wet\_mass\_movement | 0.73 |
| Extreme\_weather | Wet\_mass\_movement | 0.87 |
| Flood | Wet\_mass\_movement | 0.85 |
| Fog | Wet\_mass\_movement | -0.06 |
| Glacial\_lake\_outburst\_flood | Wet\_mass\_movement | 0.17 |
| Volcanic\_activity | Wet\_mass\_movement | 0.67 |
| Wet\_mass\_movement | Wet\_mass\_movement | 1.00 |
| Wildfire | Wet\_mass\_movement | 0.77 |
| Drought | Wildfire | 0.78 |
| Dry\_mass\_movement | Wildfire | 0.20 |
| Earthquake | Wildfire | 0.79 |
| Extreme\_temperature | Wildfire | 0.69 |
| Extreme\_weather | Wildfire | 0.82 |
| Flood | Wildfire | 0.84 |
| Fog | Wildfire | -0.06 |
| Glacial\_lake\_outburst\_flood | Wildfire | 0.33 |
| Volcanic\_activity | Wildfire | 0.66 |
| Wet\_mass\_movement | Wildfire | 0.77 |
| Wildfire | Wildfire | 1.00 |