Supplementary material-2:

These Models ‘‘Aircraft Damage’’ are predicted through ‘’ Aviation Accident Database & Synopses, up to 2023’’[26] & Aviation Accidents and Incidents (NTSB, FAA, WAAS)[25].

First model:

Here’s the description of whole model.

1. Event ID: A unique identifier assigned to each aviation event.

2. Investigation Type: Specifies the type of investigation conducted for the event (e.g., Accident, Incident).

3. Accident Number: An identification number assigned to the accident.

4. Event Date: The date when the aviation event occurred.

5. Location: The geographical location where the event took place.

6. Country:The country where the event occurred.

7. Latitude: The latitude coordinate of the event location.

8. Longitude: The longitude coordinate of the event location.

9. Airport Code: The code assigned to the airport nearest to the event location.

10. Airport Name: The name of the airport nearest to the event location.

11. Injury Severity: Describes the severity of injuries resulting from the event (e.g., Fatal, Non-Fatal).

12. Aircraft Damage: Indicates the extent of damage to the aircraft (e.g., Destroyed, Substantial).

13. Aircraft Category: Specifies the category of the aircraft involved (e.g., Airplane, Helicopter).

14. Registration Number: The registration number assigned to the aircraft.

15. Make: The manufacturer of the aircraft.

16. Model:The model of the aircraft.

17. Amateur Built: Indicates whether the aircraft was amateur-built (Yes/No).

18. Number of Engines: Specifies the number of engines installed on the aircraft.

19. Engine Type: Describes the type of engine installed on the aircraft.

20. FAR Description: Provides a description of the Federal Aviation Regulation (FAR) applicable to the event.

21. Schedule: Indicates if the flight was scheduled (e.g., SCHD for Scheduled, NSCH for Non-Scheduled).

22. Purpose of Flight: Describes the purpose of the flight (e.g., Personal, Business).

23. Air Carrier: Specifies the air carrier involved in the event.

24. Total Fatal Injuries: The total number of fatal injuries resulting from the event.

25. Total Serious Injuries: The total number of serious injuries resulting from the event.

26. Total Minor Injuries: The total number of minor injuries resulting from the event.

27. Total Uninjured: The total number of individuals who were uninjured in the event.

28. Weather Condition: Describes the weather conditions at the time of the event.

29. Broad Phase of Flight: Specifies the broad phase of flight during which the event occurred (e.g., Takeoff, Cruise).

30. Report Status: Indicates the status of the report related to the event.

31. Publication Date: The date when the report related to the event was published.

These features provide comprehensive information about each aviation event, including details about the aircraft involved, the circumstances of the event, and the outcomes in terms of injuries and damages.

ENCODING CATEGORICAL VARIABLE:

−8.871781370259403×10^−8

Logistic Equation:

P(Aircraft.damage=1) = 1 / (1 + e^(-(-8.871781370259403e-08 + 0.000038081*Event.Id + -0.000000135*Investigation.Type + 0.000005039*Accident.Number + 0.000011249*Event.Date + -0.000002934*Location + -0.000037298*Country + -0.000007514*Latitude + 0.000019694*Longitude + 0.000015025*Airport.Code + 0.000008153*Airport.Name + -0.000133753*Injury.Severity + 0.000000978*Aircraft.Categ

ory + 0.000003639*Registration.Number + 0.000112422*Make + 0.000014397*Model + -0.000000021*Amateur.Built + 0.000000793*Number.of.Engines + -0.000000226*Engine.Type + 0.000001311*FAR.Description + -0.000000140*Schedule + -0.000001346*Purpose.of.flight + 0.000058312*Air.carrier + 0.000024957*Total.Fatal.Injuries + -0.000000919*Total.Serious.Injuries + -0.000000133*Total.Minor.Injuries + -0.000118776*Total.Uninjured + -0.000001724*Weather.Condition + -0.000001849*Broad.phase.of.flight + -0.000078746*Report.Status + -0.000005049*Publication.Date))

ENCODING EVERY VARIABLE

Equation :

Accuracy: 0.716953538080774

Coefficients: [3.459284026390293e-05, -1.2259137951078632e-07, 4.257657718464212e-06, 4.036241079514648e-06, -2.42989053211656e-06, -3.3564447431340465e-05, -7.9371897389439e-06, 2.123904263125537e-05, 1.3571016923005002e-05, 9.801916821975941e-06, -0.00011877286885326675, 9.050125427342222e-07, 3.8352643139834205e-06, 9.915343776016024e-05, 1.2782382601482938e-05, -1.9373401450506768e-08, 6.991751679828474e-07, -2.7780342117432624e-07, 1.1635915294156292e-06, -1.264663058561961e-07, -1.1275616509375882e-06, 6.516049729789455e-05, 2.2873488130660474e-05, -8.905585231986965e-07, 6.284649591819806e-08, -0.00010656432086583148, -1.5455357548096068e-06, -1.647977072638421e-06, -7.646016965798957e-05, -3.0266688164253424e-06, 0.0, 0.0, 0.0, 0.0, -8.044393817413686e-08, -8.04439381741371e-08]

Intercept: -8.028516865281261e-08

Logistic Equation:

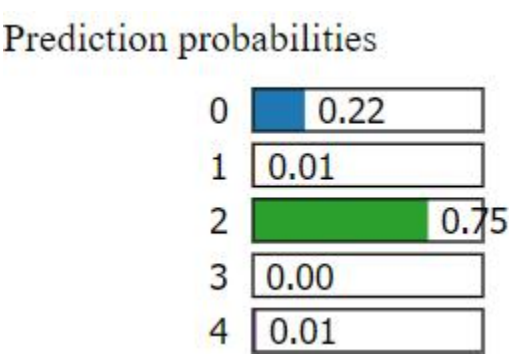
P(Aircraft.damage=1) = 1 / (1 + e^(-(-8.028516865281261e-08 + 0.000034593*Event.Id + -0.000000123*Investigation.Type + 0.000004258*Accident.Number + 0.000004036*Event.Date + -0.000002430*Location + -0.000033564*Country + -0.000007937*Latitude + 0.000021239*Longitude + 0.000013571*Airport.Code + 0.000009802*Airport.Name + -0.000118773*Injury.Severity + 0.000000905*Aircraft.Category + 0.000003835*Registration.Number + 0.000099153*Make + 0.000012782*Model + -0.000000019*Amateur.Built + 0.000000699*Number.of.Engines + -0.000000278*Engine.Type + 0.000001164*FAR.Description + -0.000000126*Schedule + -0.000001128*Purpose.of.flight + 0.000065160*Air.carrier + 0.000022873*Total.Fatal.Injuries + -0.000000891*Total.Serious.Injuries + 0.000000063*Total.Minor.Injuries + -0.000106564*Total.Uninjured + -0.000001546*Weather.Condition + -0.000001648*Broad.phase.of.flight + -0.000076460*Report.Status + -0.000003027*Publication.Date + 0.000000000*Unnamed: 31 + 0.000000000*Unnamed: 32 + 0.000000000*Unnamed: 33 + 0.000000000*Unnamed: 34 + -0.000000080*Unnamed: 35 + -0.000000080*Unnamed: 36))

LOGISTIC-EQUATION:

$Z= b_0+b_1x_1+b_2x_2+...+b_nx_n$

LE=1/(1+e^-z)

LIME-INTERPRETATION:



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Latitude	8759.00
Model	9368.00
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Injury.Severity	0.00
Event.Id	63348.00
Report.Status	9631.00
Location	2656.00
Event.Date	8140.00
Investigation.Type	0.00
Country	207.00
Longitude	12723.00
Accident.Number	35597.00
Amateur.Built	1.00
Airport.Code	10350.00
Weather.Condition	4.00
Purpose.of.flight	19.00
Publication.Date	1698.00
Total.Serious.Injuries	3.00
Number.of.Engines	3.00
Registration.Number	35394.00
Aircraft.Category	5.00
Broad.phase.of.flight	13.00

Total.Uninjured	1.00
Engine.Type	7.00
Total.Fatal.Injuries	3.00
Total.Minor.Injuries	1.00
FAR.Description	10.00
Schedule	3.00
Air.carrier	13587.00
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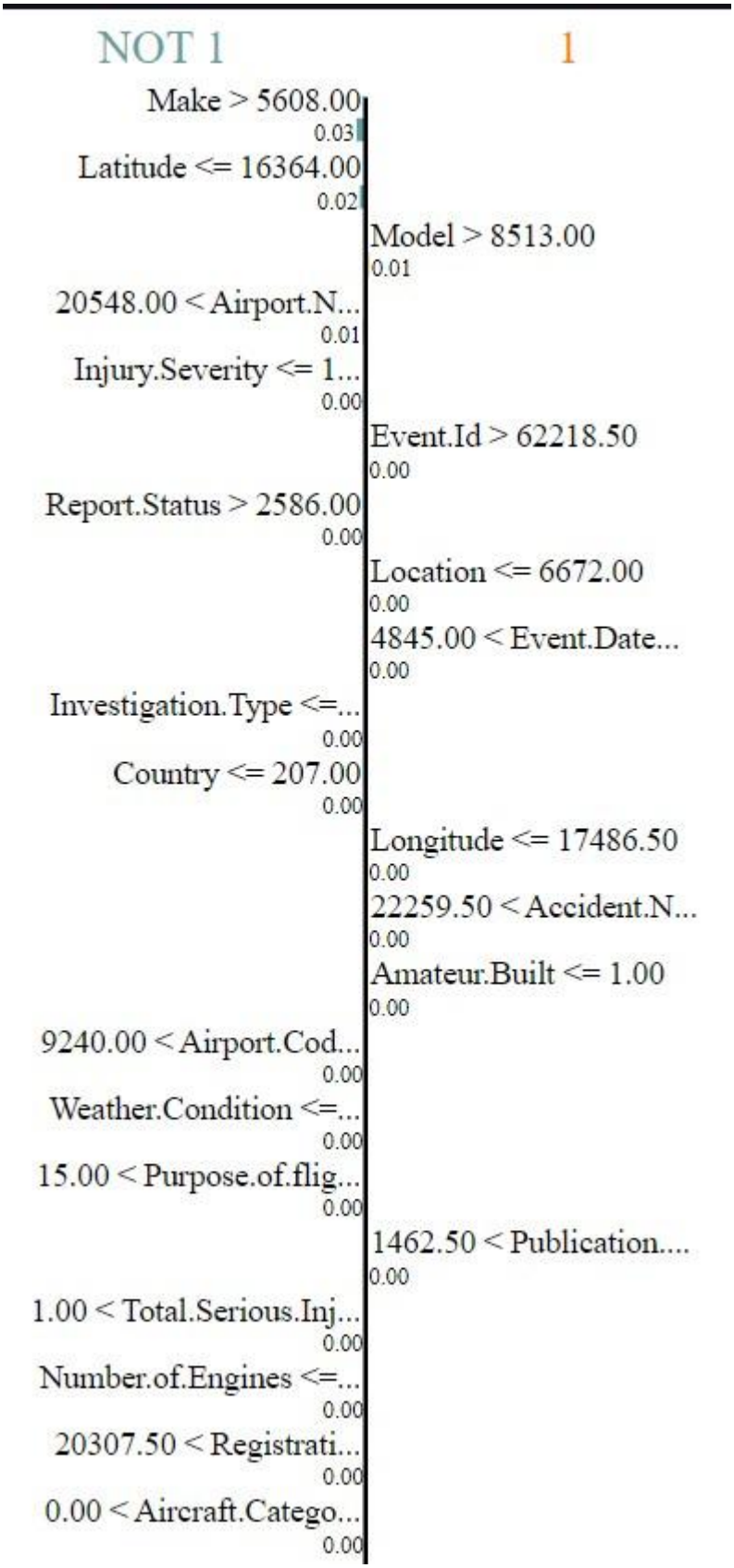
Unnamed: 31	8.00


NOT 1
1
Make > 5608.00
0.03
Latitude <= 16364.00
0.02
Model > 8513.00
0.01
20548.00 < Airport.N...
0.01
Injury.Severity <= 1...
0.00
Event.Id > 62218.50
0.00
Report.Status > 2586.00
0.00
Location <= 6672.00
0.00
4845.00 < Event.Date...
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22259.50 < Accident.N...
0.00
Amateur.Built <= 1.00
0.00
9240.00 < Airport.Cod...
0.00
Weather.Condition <=...
0.00
15.00 < Purpose.of.flig...
0.00
1462.50 < Publication....
0.00
1.00 < Total.Serious.Inj...
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Number.of.Engines <=...
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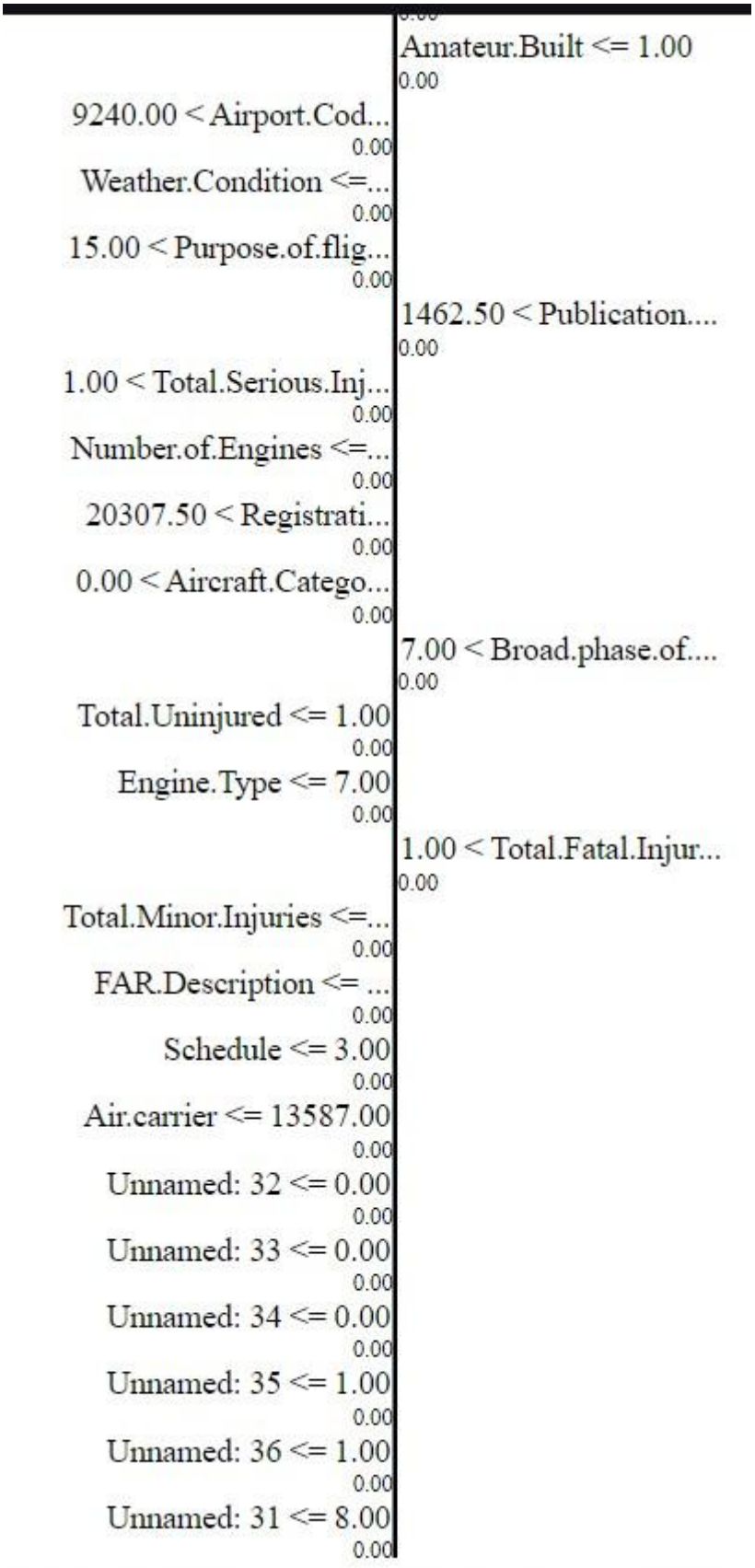
0.00 < Aircraft.Catego...
0.00


Amateur.Built <= 1.00
0.00
9240.00 < Airport.Cod...
0.00
Weather.Condition <=...
0.00
15.00 < Purpose.of.flig...
0.00
1462.50 < Publication....
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1.00 < Total.Serious.Inj...
0.00
Number.of.Engines <=...
0.00
20307.50 < Registrati...
0.00
0.00 < Aircraft.Catego...
0.00
7.00 < Broad.phase.of....
0.00
Total.Uninjured <= 1.00
0.00
Engine.Type <= 7.00
0.00
1.00 < Total.Fatal.Injur...
0.00
Total.Minor.Injuries <=...
0.00
FAR.Description <= ...
0.00
Schedule <= 3.00
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Air.carrier <= 13587.00
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Unnamed: 32 <= 0.00
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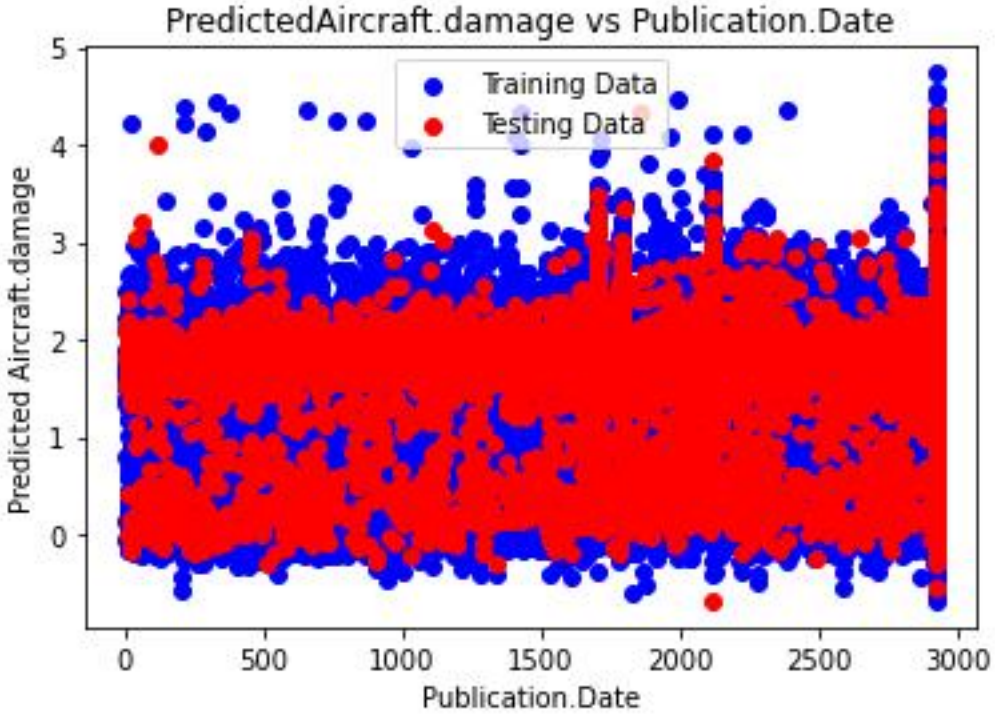
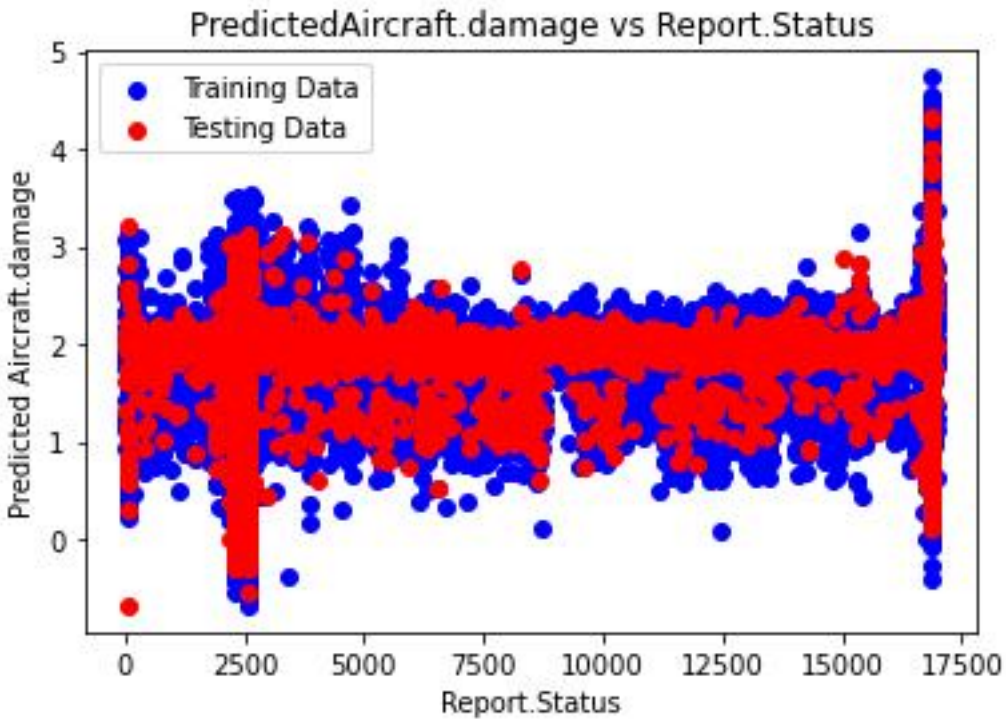
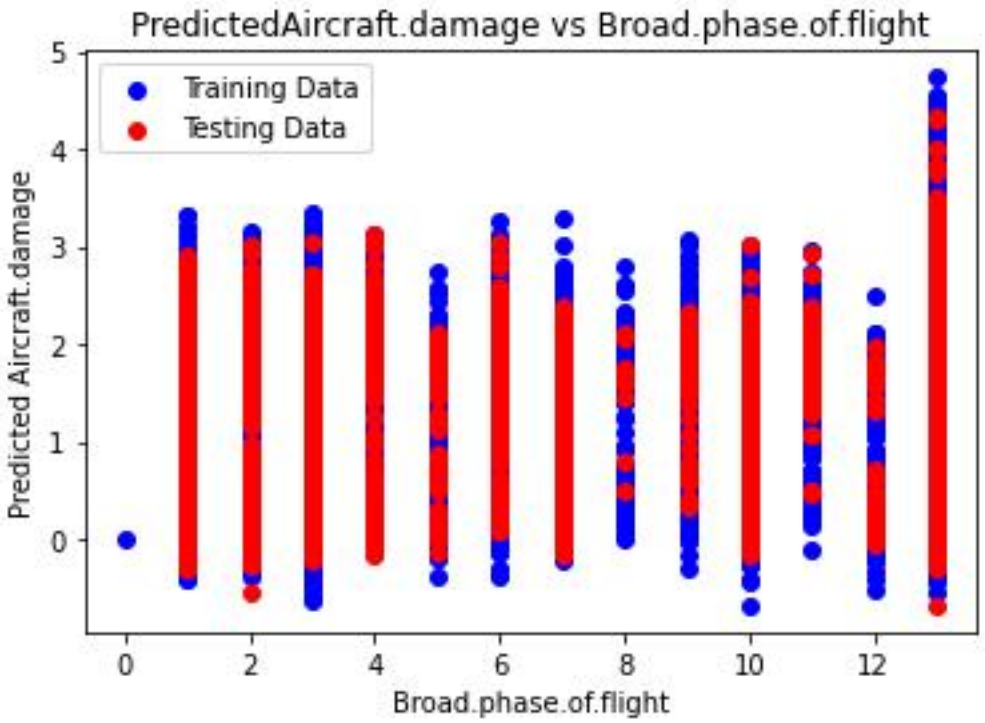


The provided scatter plot illustrates the relationship between predicted aircraft damage and publication date. The red line denotes the predicted aircraft damage, while the blue line represents the training data. This visualization serves to assess the alignment between the model's predictions and the actual data it was trained on. Ideally, a close adherence of the red line to the blue line would indicate accurate prediction of aircraft damage. However, the observed scatter in the data suggests that the model's predictions are not consistently precise, albeit generally aligned with the trend of the training data. Thus, while the model's predictions are indicative of the expected aircraft damage based on publication date, there remains room for refinement to enhance predictive accuracy.

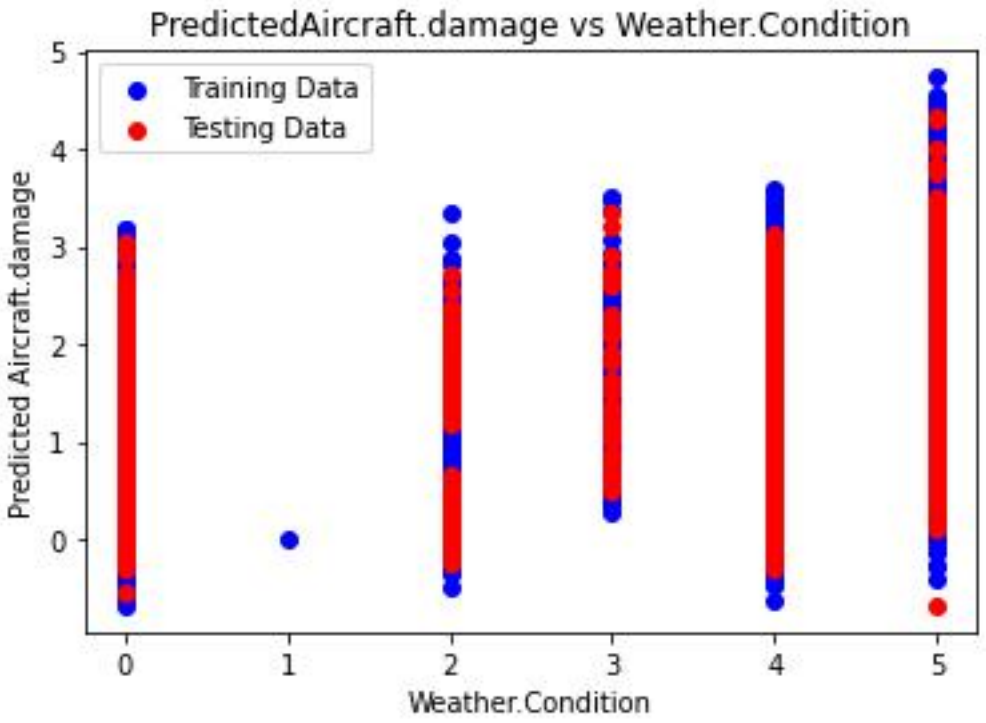


The provided scatter plot illustrates the correlation between predicted aircraft damage and report status. Such visualization is valuable for assessing the model's generalizability to unseen data. Ideally, a close clustering of the red dots around the blue dots would signify the model's ability to accurately predict aircraft damage across diverse scenarios. However, the observed scattering of the red dots around the blue dots indicates a less precise alignment, though some correlation is evident. Thus, while the model's predictions exhibit some association with report status, there remains room for improvement to enhance predictive accuracy on unseen data.



The provided scatter plot, titled "Predicted Aircraft Damage vs Broad Phase of Flight," depicts the relationship between predicted aircraft damage and different phases of flight. The x-axis is labeled "Broad Phase of Flight," ranging from 0 to 12 in increments of 2, while the y-axis is labeled "Predicted Aircraft Damage," spanning from 0 to 5 with tick marks at 1-unit intervals. The plot exhibits two distinct datasets: training data, denoted by blue points, and testing data, represented by red points.

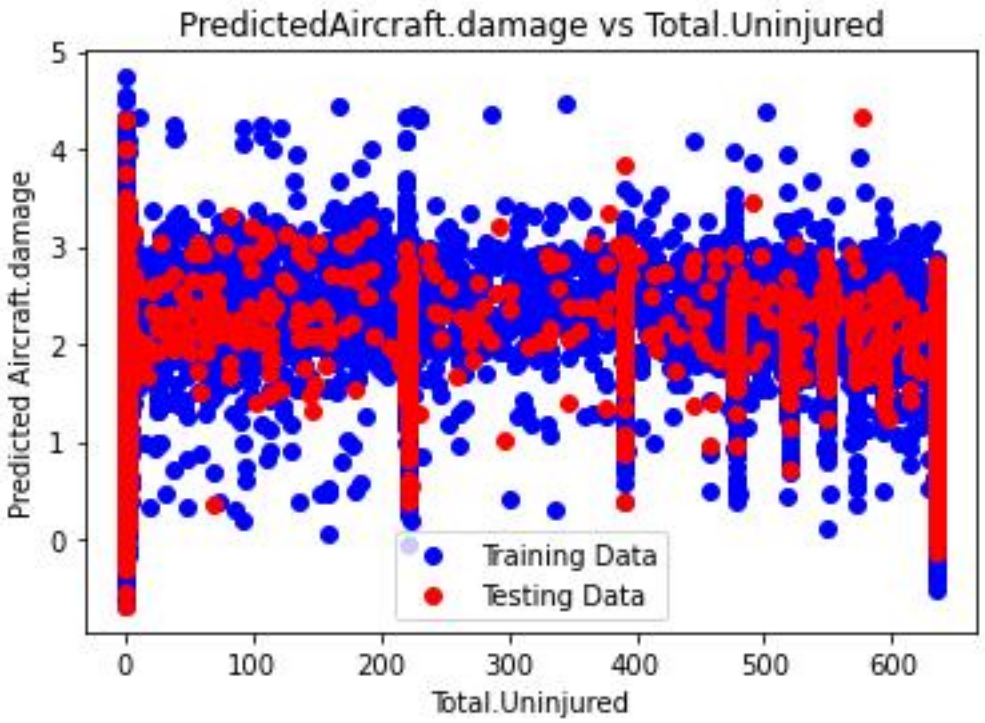
Interpreting the plot reveals a tentative association between predicted aircraft damage and the broad phases of flight, encompassing various stages such as taxi, takeoff, climb, cruise, descent, approach, and landing. However, the absence of detailed category descriptions for each phase complicates a precise analysis. Nonetheless, a discernible pattern emerges, indicating a modest upward trajectory in both the red and blue data points. This suggests that the model predicts heightened aircraft damage probabilities during later flight phases. Nevertheless, the substantial scatter within the data warrants caution in drawing definitive conclusions regarding this relationship. Further refinement and scrutiny are necessary to ascertain the accuracy and reliability of the model's predictions regarding aircraft damage across different flight phases.



The provided scatter plot, titled "Predicted Aircraft Damage vs Weather Condition," illustrates the association between predicted aircraft damage and different weather conditions. The x-axis, labeled "Weather Condition," spans from 0 to 5, presumably representing various weather states such as sunny, rainy, cloudy, snowy, etc., although the specific labels are not visible in the image. The y-axis, labeled "Predicted Aircraft Damage," ranges from 0 to 5 with tick marks at each unit increment.

The plot comprises two datasets: training data, depicted by blue points, and testing data, represented by red points. While the plot suggests a correlation between predicted aircraft damage and weather conditions, the absence of visible labels for the weather conditions complicates a precise analysis. Nevertheless, an examination of the data indicates some overlap between the red and blue data points, suggesting that the model's predictions may not be heavily influenced by weather conditions.

To gain a comprehensive understanding of the relationship between predicted aircraft damage and weather conditions, it is imperative to ascertain the specific labels for each weather condition on the x-axis. This additional information would facilitate a more accurate interpretation of the plot and enable a deeper exploration of the impact of weather conditions on predicted aircraft damage.

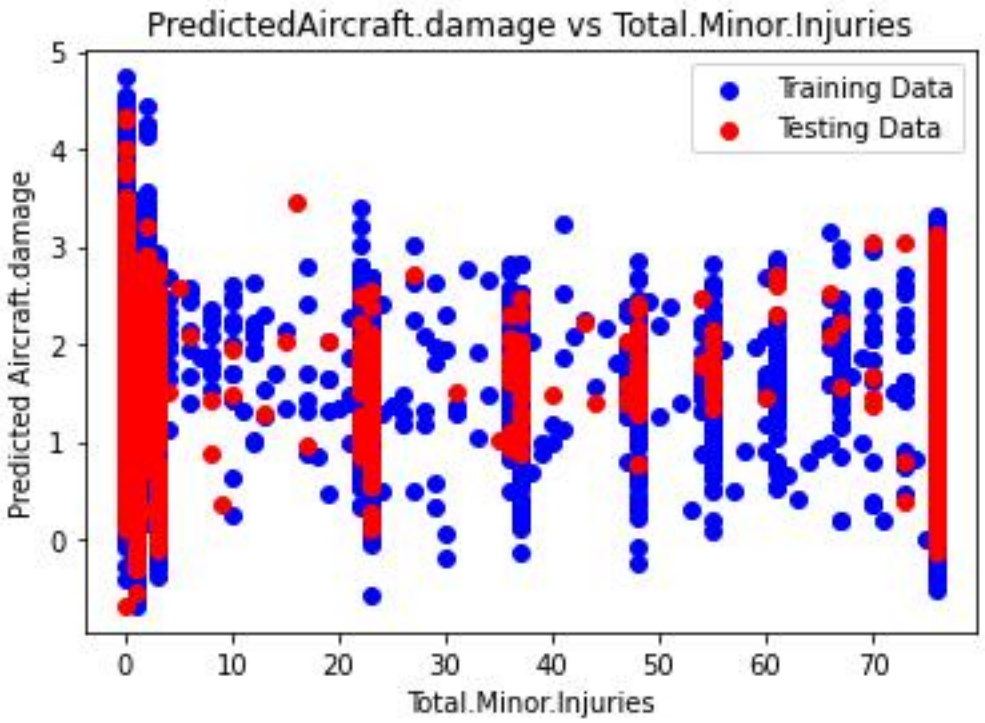


The provided scatter plot, titled "Predicted Aircraft Damage vs Total Uninjured," illustrates the association between predicted aircraft damage and the total number of uninjured individuals involved in aircraft incidents. The x-axis, labeled "Total Uninjured," ranges from 0 to 600 with tick marks at increments of 100, representing the count of uninjured individuals. The y-axis, labeled "Predicted Aircraft Damage," spans from 0 to 5 with tick marks at each unit increment.

The plot features two datasets: training data, depicted by blue points, and testing data, represented by red points. A discernible trend emerges from the plot, indicating a negative correlation between predicted aircraft damage and the total number of uninjured individuals. Specifically, as the count of uninjured individuals increases, the model predicts a decrease in aircraft damage.

Notably, the training data (blue dots) exhibit more scatter compared to the testing data (red dots), suggesting a potential issue of underfitting in the model. Underfitting occurs when the model fails to capture the underlying pattern in the training data, leading to suboptimal performance on unseen data, such as the testing data in this scenario.

In summary, while the plot demonstrates the model's ability to predict the relationship between the number of uninjured individuals and predicted aircraft damage, the observed correlation may not be particularly strong. Addressing the underfitting issue could enhance the model's predictive accuracy and improve its performance on unseen data.

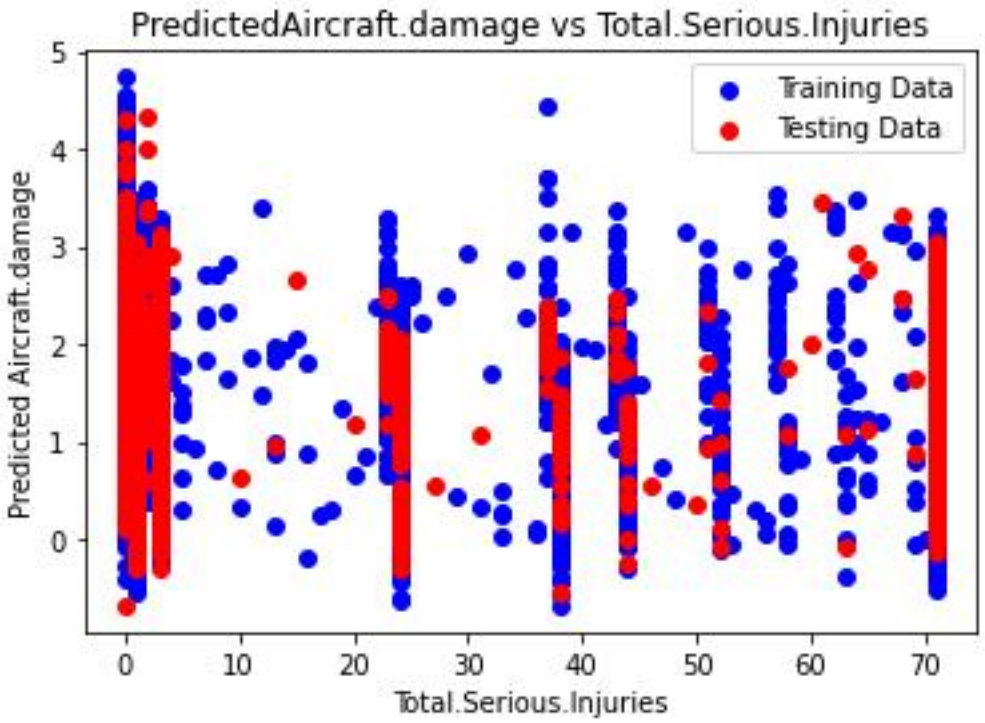


The provided scatter plot, titled "Predicted Aircraft Damage vs Total Minor Injuries," illustrates the relationship between predicted aircraft damage and the total number of minor injuries in aircraft incidents. The x-axis, labeled "Total Minor Injuries," ranges from 0 to 70 with tick marks at increments of 10, representing the count of minor injuries. The y-axis, labeled "Predicted Aircraft Damage," spans from 0 to 5 with tick marks at each unit increment.

The plot comprises two datasets: training data, depicted by blue points, and testing data, represented by red points. A discernible trend emerges from the plot, indicating a positive correlation between predicted aircraft damage and the total number of minor injuries. Specifically, as the count of minor injuries increases, the model predicts a higher likelihood of aircraft damage.

Notably, the training data (blue dots) exhibit more scatter compared to the testing data (red dots), suggesting a potential issue of underfitting in the model. Underfitting occurs when the model fails to capture the underlying pattern in the training data, potentially leading to suboptimal performance on unseen data, such as the testing data in this scenario.

In summary, while the plot demonstrates the model's ability to predict the relationship between the number of minor injuries and predicted aircraft damage, the observed correlation may not be particularly robust. Addressing the underfitting issue could enhance the model's predictive accuracy and improve its performance on unseen data.

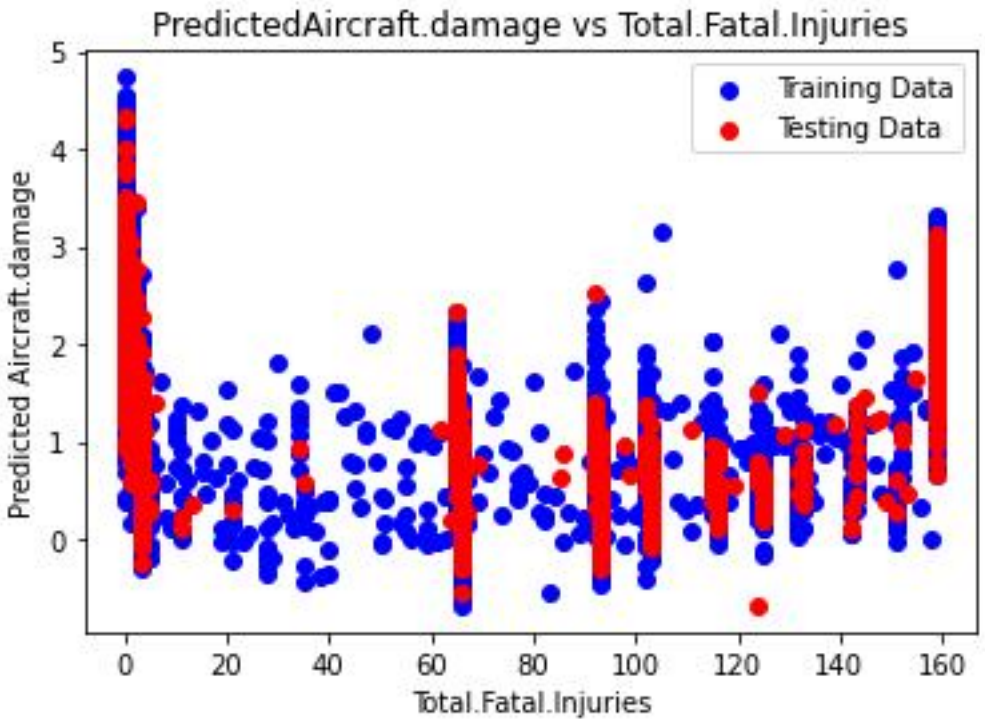


The scatter plot provided, titled "Predicted Aircraft Damage vs Total Serious Injuries," depicts the relationship between predicted aircraft damage and the total number of serious injuries in aircraft incidents. On the x-axis, labeled "Total Serious Injuries," the range spans from 0 to 70 with tick marks at increments of 10, representing the count of serious injuries. The y-axis, labeled "Predicted Aircraft Damage," ranges from 0 to 5 with tick marks at each unit increment.

The plot includes two datasets: training data, represented by blue points, and testing data, depicted by red points. An observable trend emerges from the plot, indicating a positive correlation between predicted aircraft damage and the total number of serious injuries. Specifically, as the count of serious injuries increases, the model predicts a higher likelihood of aircraft damage.

Notably, the training data (blue dots) exhibit more scatter compared to the testing data (red dots), suggesting a potential issue of underfitting in the model. Underfitting occurs when the model fails to capture the underlying pattern in the training data, potentially leading to suboptimal performance on unseen data, such as the testing data in this scenario.

In summary, while the plot demonstrates the model's capability to predict the relationship between the number of serious injuries and predicted aircraft damage, the observed correlation may not be particularly robust. Addressing the underfitting issue could enhance the model's predictive accuracy and improve its performance on unseen data.

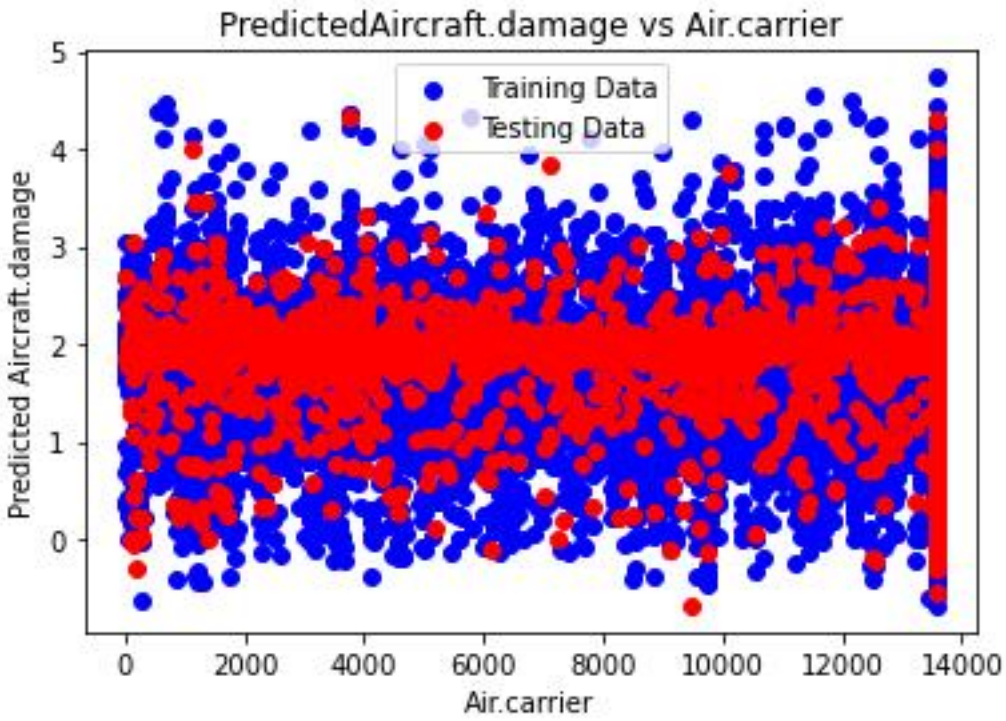


The provided scatter plot illustrates the relationship between predicted aircraft damage and the total number of fatal injuries. The red dots represent the model's predictions for aircraft damage, while the blue dots denote the training data used to train the model.

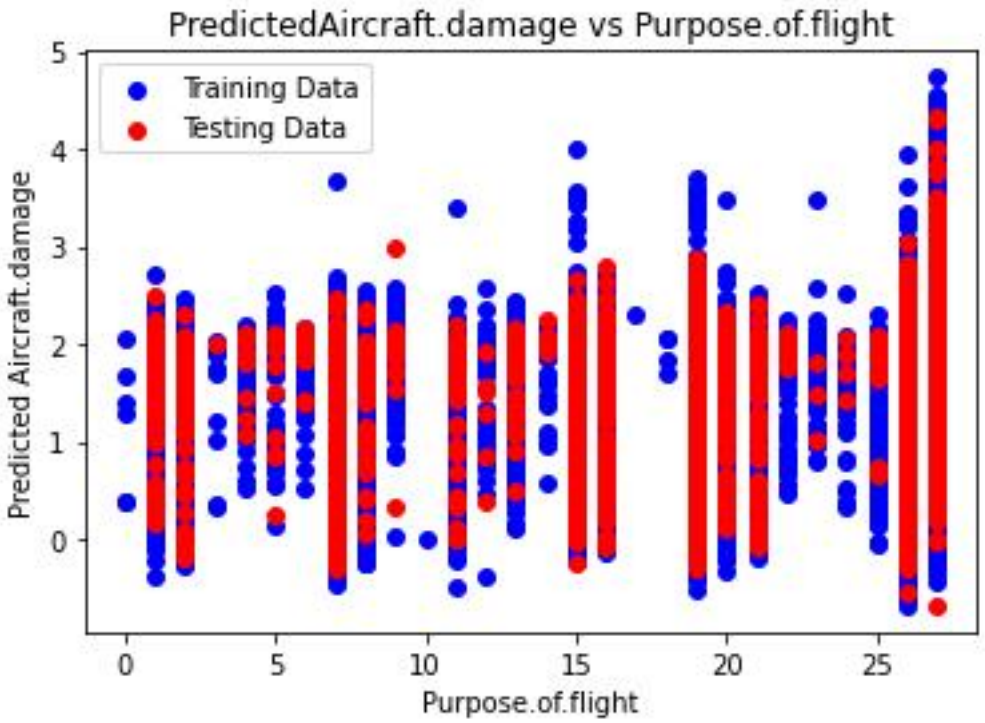
Scatter plots of this nature are instrumental in assessing the alignment between a model's predictions and the data it was trained on. Here, the training data encompasses real-world instances of aircraft damage and associated total fatal injuries. The red dots depict the model's projections of aircraft damage contingent upon the count of total fatal injuries.

Ideally, the red dots would closely congregate around the blue dots, signifying precise alignment between the model's predictions and the actual training data. However, in this instance, the red dots exhibit some dispersion around the blue dots. While lacking a definitive linear relationship, there exists discernible correlation between the variables.

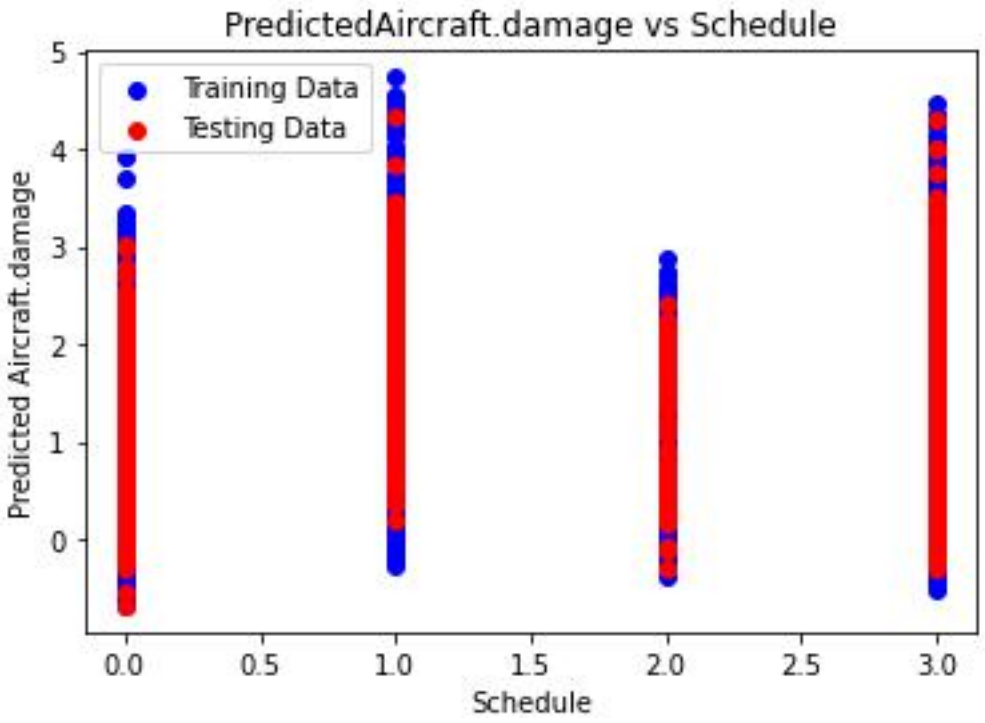
Thus, while the model's predictions may not be entirely precise, the observed correlation suggests that they hold utility in estimating aircraft damage based on the total number of fatal injuries. Further refinement and evaluation of the model may enhance its predictive accuracy and utility in real-world scenarios.



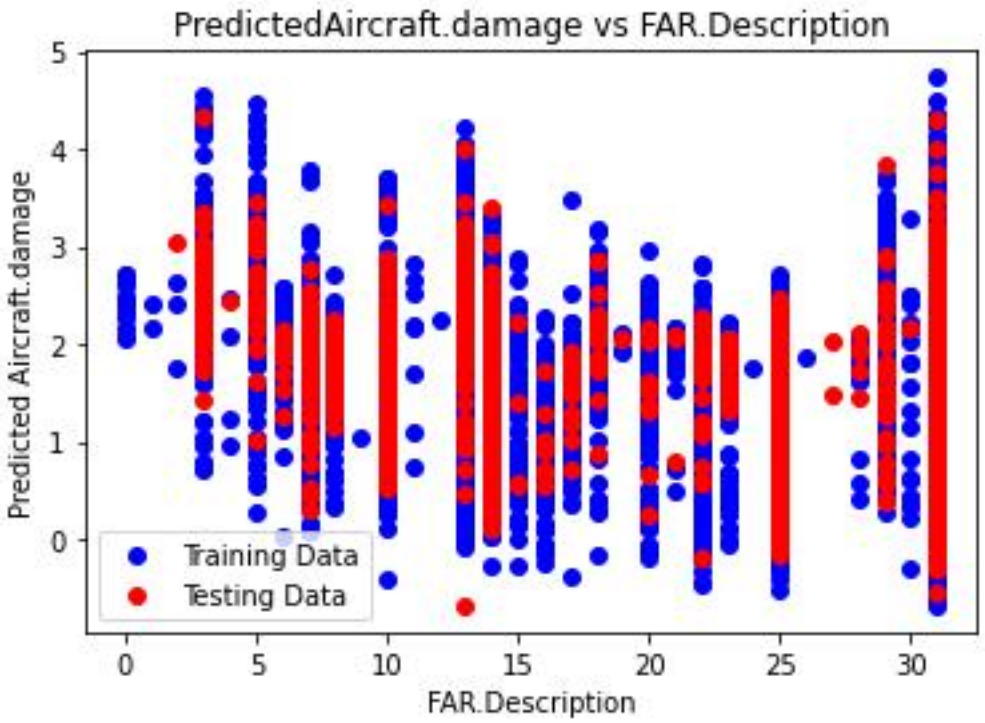
The scatter plot titled "Predicted Aircraft.damage vs Air.carrier" illustrates the relationship between predicted aircraft damage (y-axis) and the number of air carriers (x-axis). The blue circles, representing training data, predominantly cluster at lower predicted damage levels, while the red circles, indicating testing data, exhibit a more dispersed distribution across varying damage levels. The x-axis, labeled "Air.carrier," spans from 0 to 14,000, while the y-axis, "Predicted Aircraft damage," ranges from 0 to 5. Overall, the plot suggests a lack of strong correlation between the number of air carriers and predicted aircraft damage, as both training and testing data points are evenly distributed across all levels of air carriers.



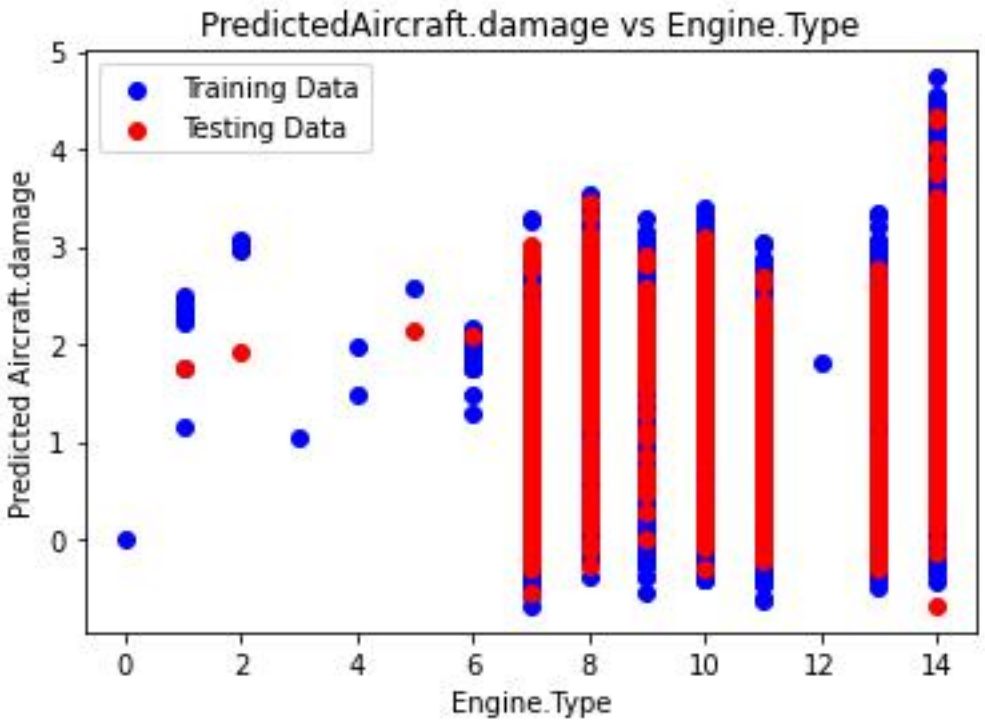
The plot titled "Predicted Aircraft.damage vs Purpose.of.flight" illustrates the relationship between predicted aircraft damage (y-axis) and the purpose of flight (x-axis). The x-axis spans from 0 to 25, representing different categories of flight purposes, although the units are unspecified. The y-axis ranges from 0 to 5, denoting the predicted level of aircraft damage. This scatter plot distinguishes between training and testing data, with training data utilized for model creation and testing data for assessing model performance on unseen instances. Notably, the model predicts higher aircraft damage for flights associated with purpose codes between 5 and 15, with a notable outlier at purpose code 20 indicating high predicted damage. Given the predictive nature of the model, it's crucial to acknowledge that actual damage outcomes may diverge from predictions. When interpreting scatter plots, it's advisable to scrutinize trends, identify outliers, and evaluate the strength of the relationship between variables, distinguishing between strong and weak associations based on the pattern observed in the data.



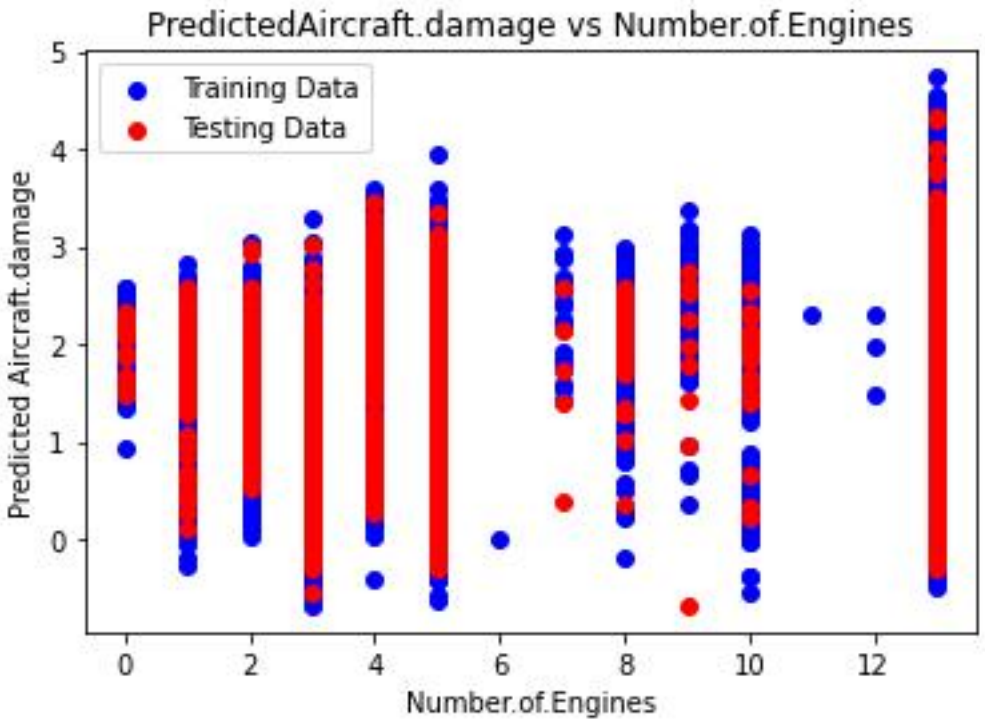
The provided scatter plot depicts the relationship between predicted aircraft damage (y-axis) and schedule (x-axis). Despite the absence of specific details about the dataset and modeling techniques, several general observations can be made. The distribution of data points suggests a weak correlation between predicted aircraft damage and schedule, as no discernible linear trend is evident; variations in scheduled values do not consistently correspond to increases or decreases in predicted damage. Additionally, a clustering of points in the lower-left quadrant implies that aircraft with longer schedules may generally be predicted to have lower damage. It's essential to recognize that the plot provides a visual representation of the data, and comprehensive interpretation should consider additional factors beyond this graphical depiction.



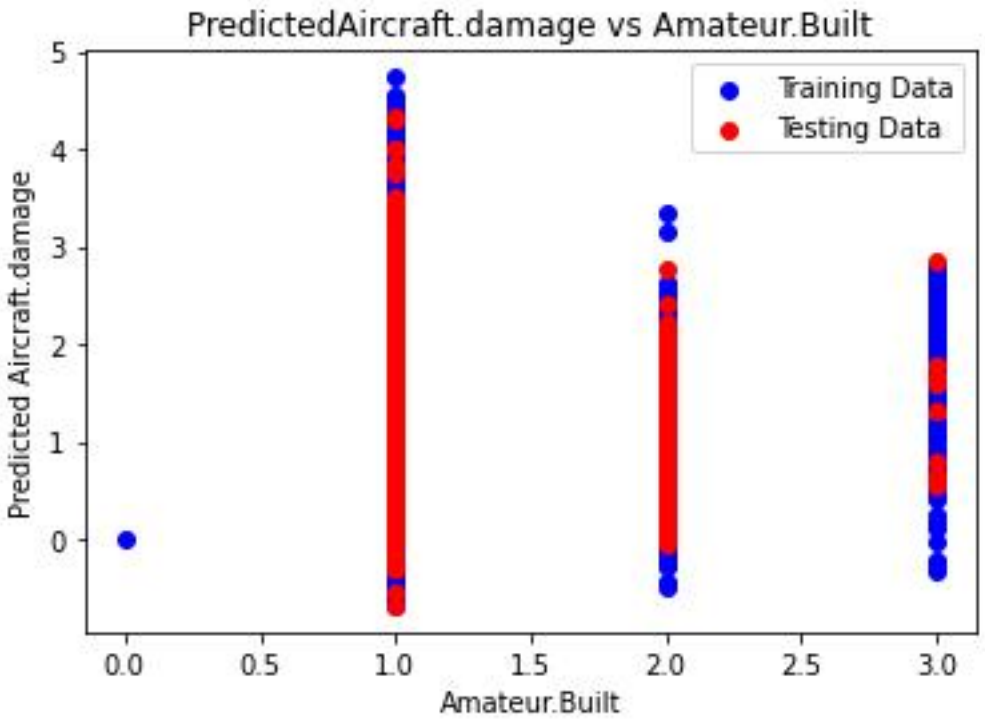
Certainly, the plot illustrates the relationship between predicted aircraft damage and Federal Aviation Regulations (FAR) descriptions. The red line signifies the predicted damage, while the blue line likely denotes the average predicted damage, evident from its smoother trajectory. Although the x-axis label is truncated, it presumably corresponds to descriptors or codes correlating with FAR descriptions. Observations from the plot include higher predicted damage for lower FAR descriptions, indicating a model prediction that aircraft regulated under less stringent FARs may sustain more damage. Additionally, significant variation in predicted damage across FAR descriptions is apparent, as indicated by the dispersion of red dots around the red line. Notably, the training data (red dots) encompass a broader spectrum of FAR descriptions compared to the testing data (blue dots). However, it's crucial to approach this interpretation recognizing that the plot provides a visual representation, and comprehensive analysis should consider additional contextual factors.



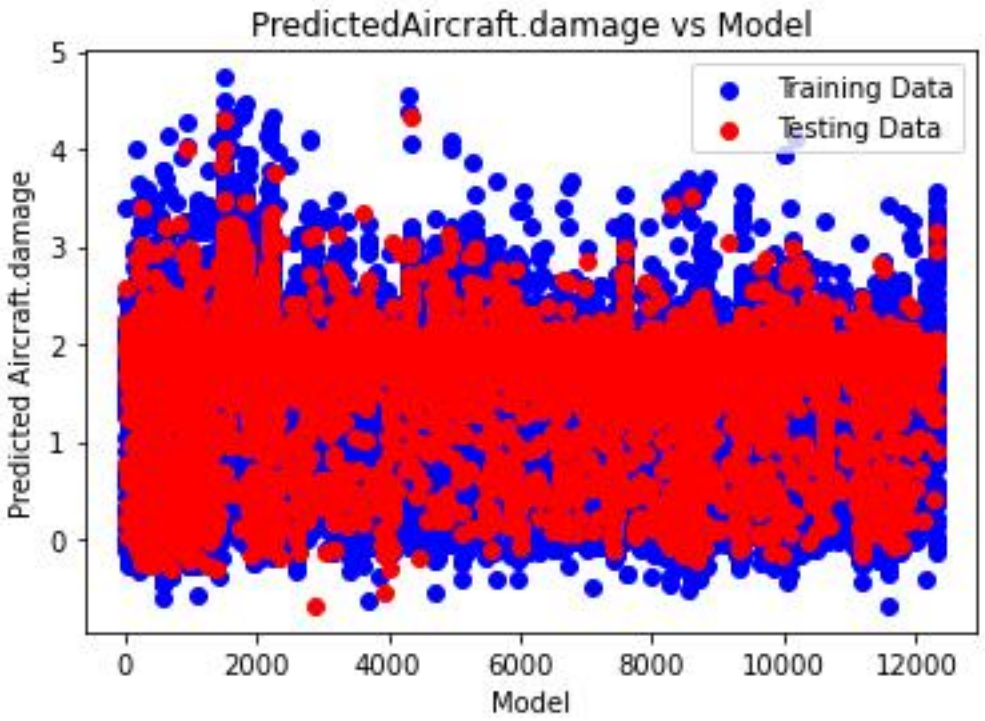
The provided scatter plot illustrates the relationship between predicted aircraft damage and engine type. The x-axis represents different engine types, while the y-axis denotes the predicted aircraft damage. Each data point represents an individual aircraft. Despite lacking detailed information about the dataset and model, several observations can be made. The dispersion of data points suggests a weak correlation between predicted aircraft damage and engine type, as there is no discernible linear trend. Notably, the concentration of points in the lower left portion of the graph implies a prevalence of aircraft predicted to have lower damage with specific engine types. It's essential to interpret this graphical representation cautiously, recognizing its limitations and considering other pertinent factors when assessing model predictions.



The provided scatter plot depicts the relationship between predicted aircraft damage and the number of engines on an aircraft. The x-axis denotes the count of engines, while the y-axis represents the predicted damage. Each data point represents an individual aircraft. Several observations can be drawn from the plot: firstly, there is no discernible linear trend, indicating that the predicted damage does not consistently increase or decrease with the number of engines. Secondly, the spread of data points across the graph suggests a weak correlation between the number of engines and predicted damage. Lastly, a slightly higher concentration of points in the lower left corner implies fewer aircraft are predicted to have damage with fewer engines. However, it's crucial to acknowledge the limitations of this visual representation and consider additional factors that may influence the model's predictions.

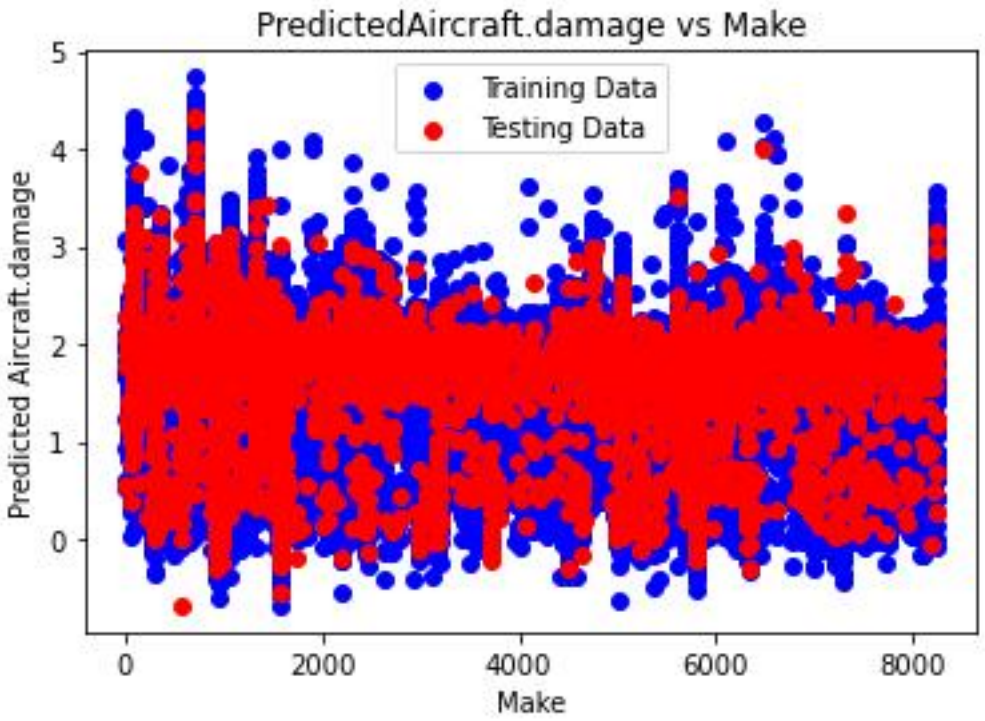


The scatter plot illustrates the relationship between predicted aircraft damage and whether the aircraft was amateur-built. The x-axis denotes the amateur build status, while the y-axis represents the predicted damage. The red line signifies the predicted damage, while the smoother blue line indicates the average predicted damage. Observations from the plot include a spread of data points indicating a weak correlation between predicted damage and amateur build status, with no clear linear trend. Additionally, there appears to be a higher concentration of points in the lower left portion of the graph, suggesting fewer aircraft predicted to have damage were not amateur-built. However, it's essential to acknowledge that this graphical representation has limitations, and other factors may influence the model's predictions.



The plot depicts the relationship between predicted aircraft damage and model training data. The red line signifies the predicted damage, while the blue line represents the training data. The x-axis denotes the "Model," likely indicating different models used for prediction, while the y-axis represents "Predicted Aircraft.damage." Each data point represents an individual aircraft.

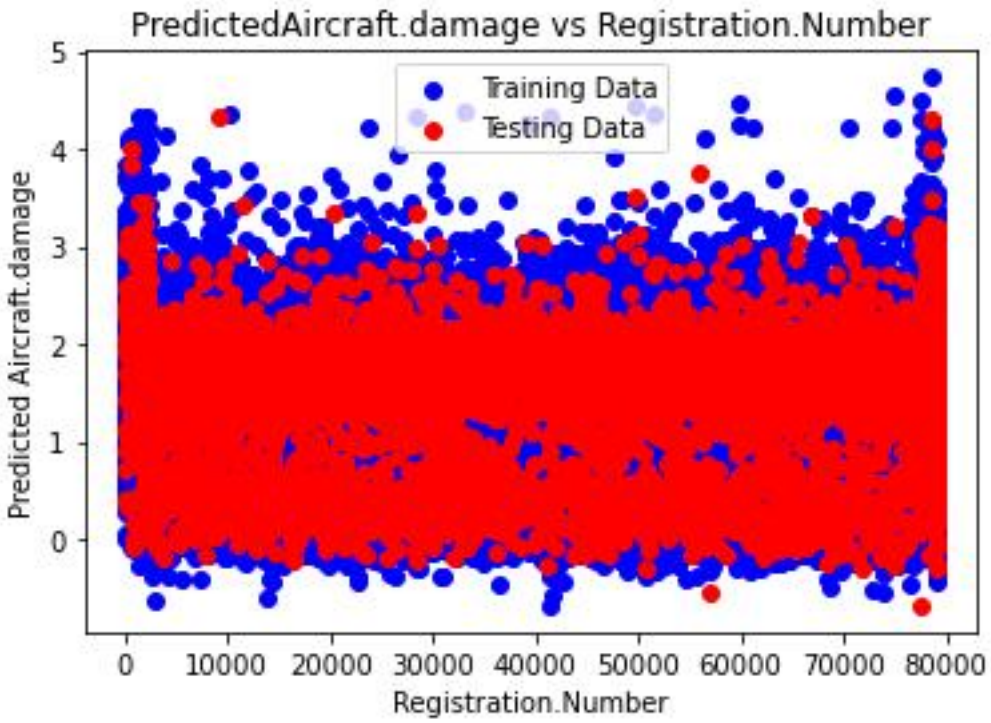
Given that the blue line represents the training data, it likely indicates a perfect correlation, signifying the model's accurate prediction of damage for the training dataset. However, the spread of the red points around the blue line suggests that the model's generalization to new, unseen aircraft data is limited. There appears to be more variation in the actual damage of these aircraft than predicted by the model.



The plot illustrates the relationship between predicted aircraft damage and the make of the aircraft. The x-axis is labeled "Make," representing different aircraft manufacturers, while the y-axis is labeled "PredictedAircraft.damage." Each data point represents an individual aircraft.

Without detailed information about the dataset and the predictive model employed, definitive conclusions are challenging. However, several general observations can be made. Firstly, there is no discernible linear trend in the data, implying that changes in aircraft make do not consistently correlate with predicted damage levels.

Furthermore, the spread of data points suggests a weak correlation between predicted aircraft damage and aircraft make. Additionally, a higher concentration of points in the lower-left portion of the graph indicates that certain manufacturers may produce aircraft predicted to have lower damage levels.

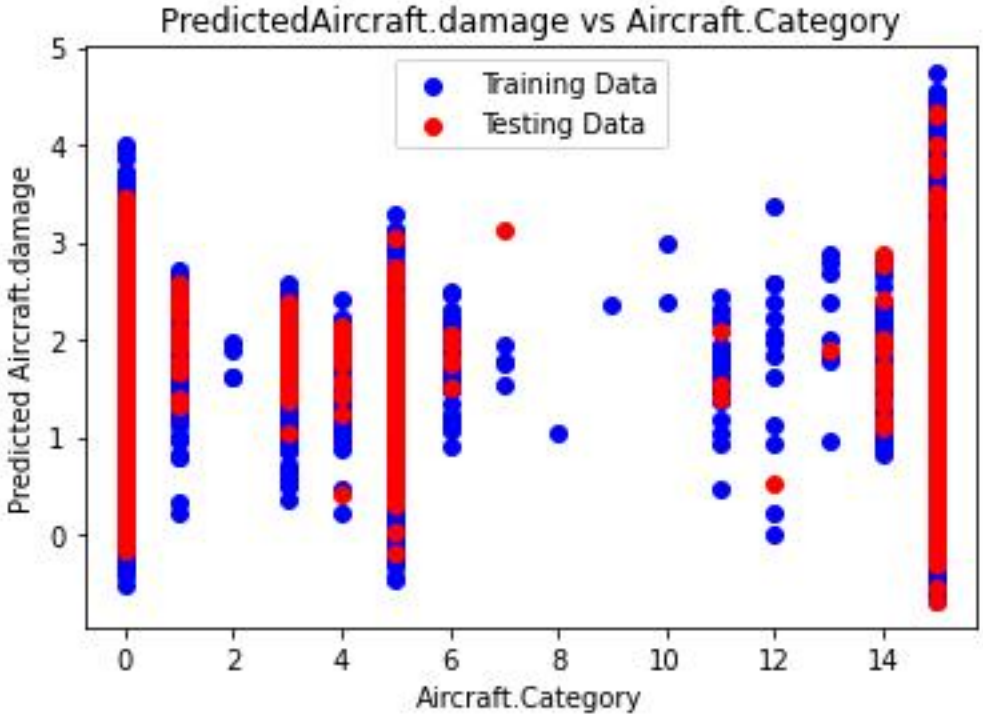


Certainly, the plot you provided depicts a scatter plot comparing predicted aircraft damage against registration numbers. On the x-axis, "Registration.Number" denotes different registration numbers assigned to individual aircraft, while the y-axis, "PredictedAircraft.damage," represents the predicted damage levels.

Upon observation, several key insights emerge. Firstly, the spread of data points across the graph suggests a weak correlation between registration numbers and predicted aircraft damage. Additionally, the absence of a clear linear relationship implies that changes in registration numbers do not consistently correlate with changes in predicted damage levels.

Furthermore, a higher concentration of points in the lower left corner of the graph indicates that fewer aircraft are predicted to have damage with lower registration numbers. However, it is essential to acknowledge that this observation is based solely on visual analysis and may not capture all influencing factors accurately.

Ultimately, this graphical representation serves as a valuable tool for understanding the relationship between registration numbers and predicted aircraft damage. Nevertheless, comprehensive consideration of other factors is imperative to fully interpret the model's predictions and ensure their accuracy and reliability.

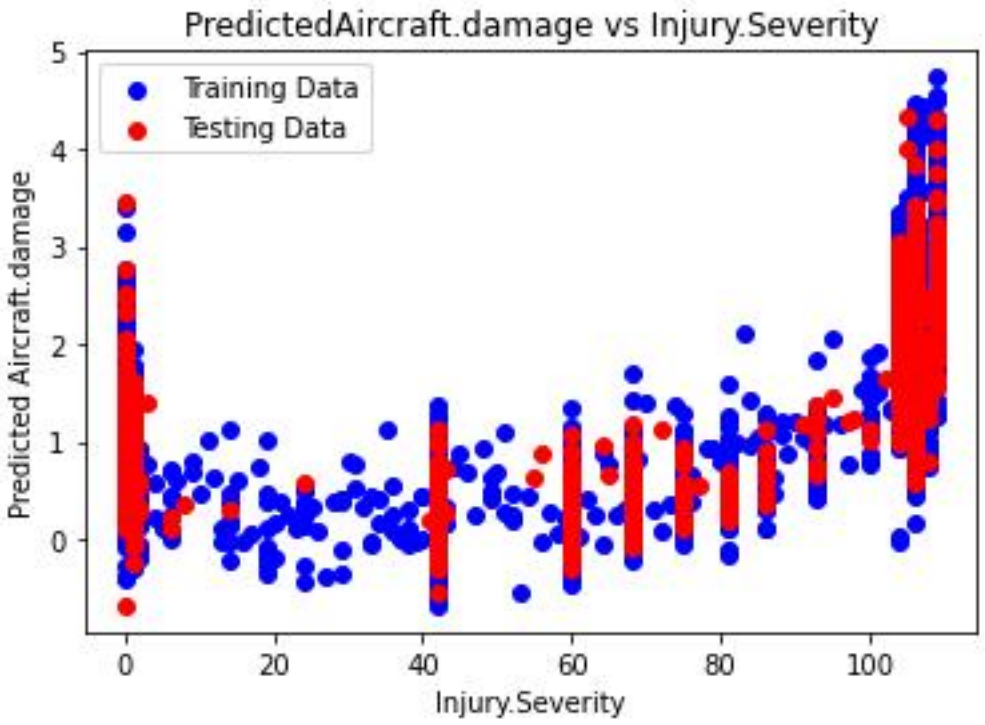


Certainly, the plot illustrates a scatter plot comparing predicted aircraft damage with aircraft categories. The x-axis denotes "Aircraft.Category," representing different categories of aircraft, while the y-axis represents "PredictedAircraft.damage."

Upon examination, several observations can be made. Firstly, there exists a spread of data points across the entire graph, implying a weak correlation between aircraft categories and predicted aircraft damage. Furthermore, the absence of a clear linear trend suggests that changes in aircraft categories do not consistently correlate with changes in predicted damage levels.

However, discerning specific patterns in the concentration of data points proves challenging due to limited visibility of the labels for aircraft categories on the x-axis. Without this crucial information, making precise interpretations about the relationship between aircraft categories and predicted damage becomes difficult.

It is important to note that this graphical depiction provides valuable insights into the relationship between aircraft categories and predicted damage. Nonetheless, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions.

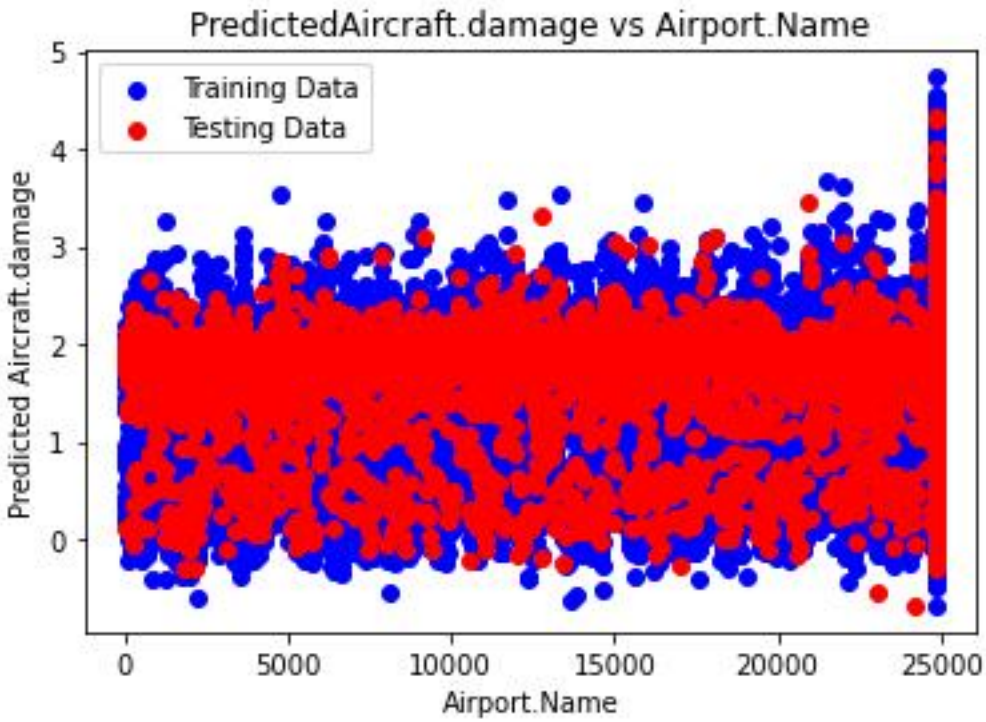


The plot depicts a scatter plot comparing predicted aircraft damage with injury severity. The x-axis is labeled "Injury.Severity," representing different levels of injury severity resulting from aircraft incidents, while the y-axis represents "PredictedAircraft.damage." Each data point corresponds to an individual aircraft incident.

Upon analysis, several observations emerge. Firstly, there exists a spread of data points across the entire graph, indicating a weak correlation between injury severity and predicted aircraft damage. Moreover, the absence of a clear linear trend implies that increases in injury severity do not consistently correspond to increases in predicted damage levels.

However, discerning specific patterns in the concentration of data points proves challenging, suggesting the absence of significant clustering based on injury severity.

It is crucial to note that while this graphical depiction offers insights into the relationship between injury severity and predicted damage, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions. Additionally, the lack of a labeled scale on the x-axis limits the interpretability of the severity of injuries, warranting caution in making specific interpretations.

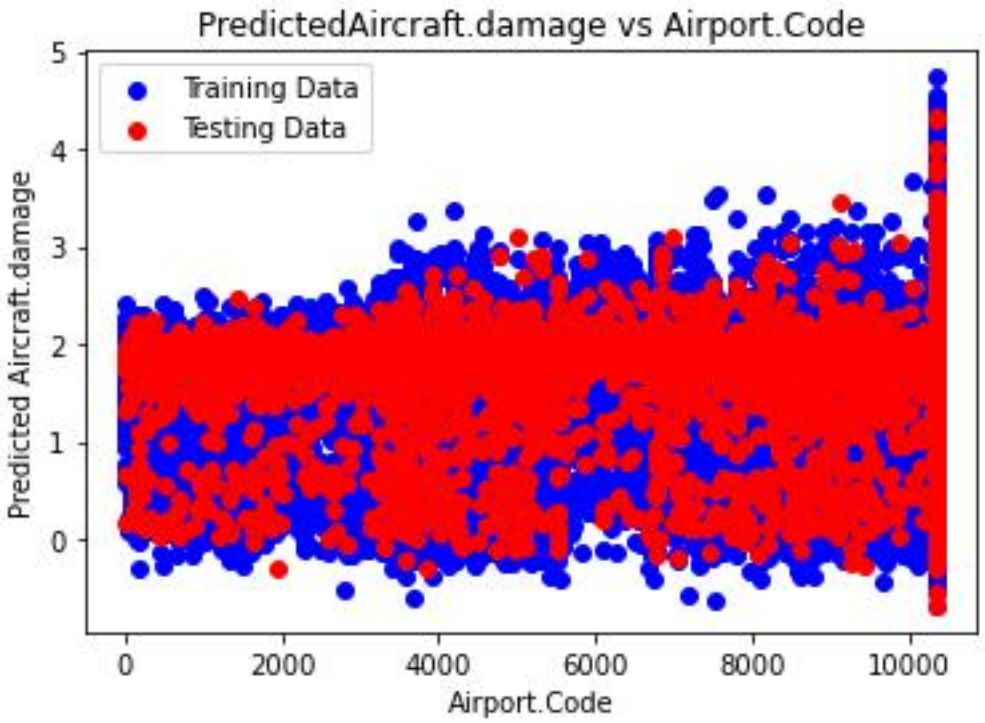


The plot illustrates a scatter plot comparing predicted aircraft damage with airport names. The x-axis, labeled "Airport.Name," delineates different airport locations, while the y-axis represents "PredictedAircraft.damage." Each data point corresponds to an individual aircraft incident.

Upon examination, several observations can be made. Firstly, there exists a spread of data points across the entire graph, indicating a weak correlation between airport names and predicted aircraft damage. Moreover, the absence of a clear linear trend implies that variations in airport names do not consistently correlate with changes in predicted damage levels.

However, discerning specific patterns in the concentration of data points proves challenging, suggesting the absence of significant clustering based on airport names.

It is crucial to note that while this graphical representation offers insights into the relationship between airport names and predicted damage, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions. Additionally, the incomplete display of airport names on the x-axis limits the interpretability of specific airport locations, warranting caution in making precise interpretations.

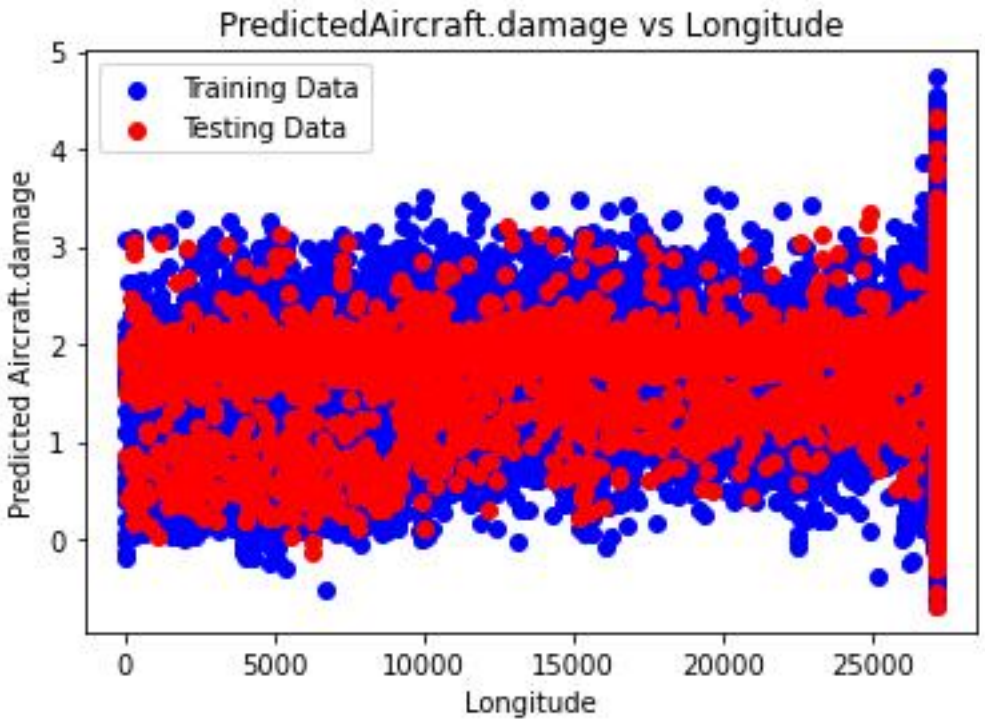


The plot depicts a scatter plot comparing predicted aircraft damage with airport codes. The x-axis, labeled "Airport.Code," represents different airport codes, while the y-axis denotes "PredictedAircraft.damage." Each data point signifies an individual aircraft incident.

Upon examination, several observations emerge. Firstly, there is a dispersion of data points across the entire graph, indicating a weak correlation between airport codes and predicted aircraft damage. Moreover, the absence of a clear linear trend suggests that variations in airport codes do not consistently correlate with changes in predicted damage levels.

However, discerning specific patterns in the concentration of data points proves challenging, indicating the absence of significant clustering based on airport codes.

It is essential to note that while this graphical representation provides insights into the relationship between airport codes and predicted damage, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions. Additionally, the abbreviated airport codes on the x-axis constrain the interpretability of specific airport locations, warranting caution in making precise interpretations.

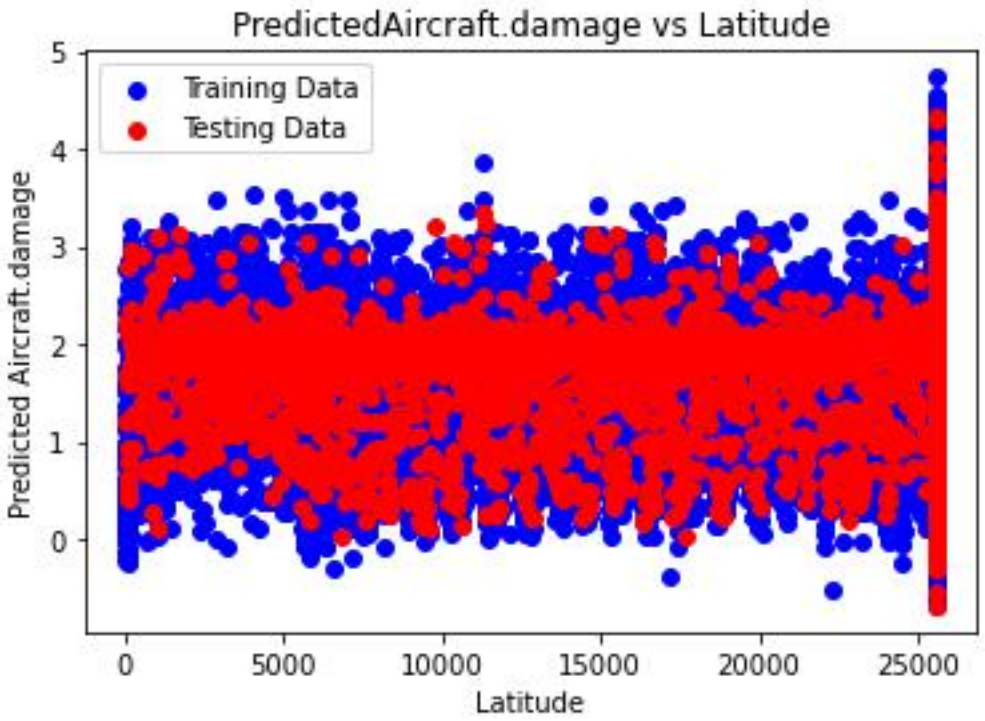


The plot illustrates a scatter plot juxtaposing predicted aircraft damage against longitude. The x-axis, labeled "Longitude," represents different longitudinal coordinates, while the y-axis denotes "PredictedAircraft.damage." Each data point signifies an individual aircraft incident.

Upon analysis, several observations emerge. Firstly, there is a dispersion of data points across the entire range of longitude values, indicating a weak correlation between longitude and predicted aircraft damage. Furthermore, the absence of a clear linear trend suggests that changes in longitude do not consistently correlate with changes in predicted damage levels.

However, discerning specific patterns in the concentration of data points across the entire range of longitudes proves challenging, indicating the absence of significant clustering based on longitudinal coordinates.

It is imperative to note that while this graphical representation provides insights into the relationship between longitude and predicted damage, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions. Additionally, the absence of the longitude range on the x-axis limits precise interpretations regarding geographic location.

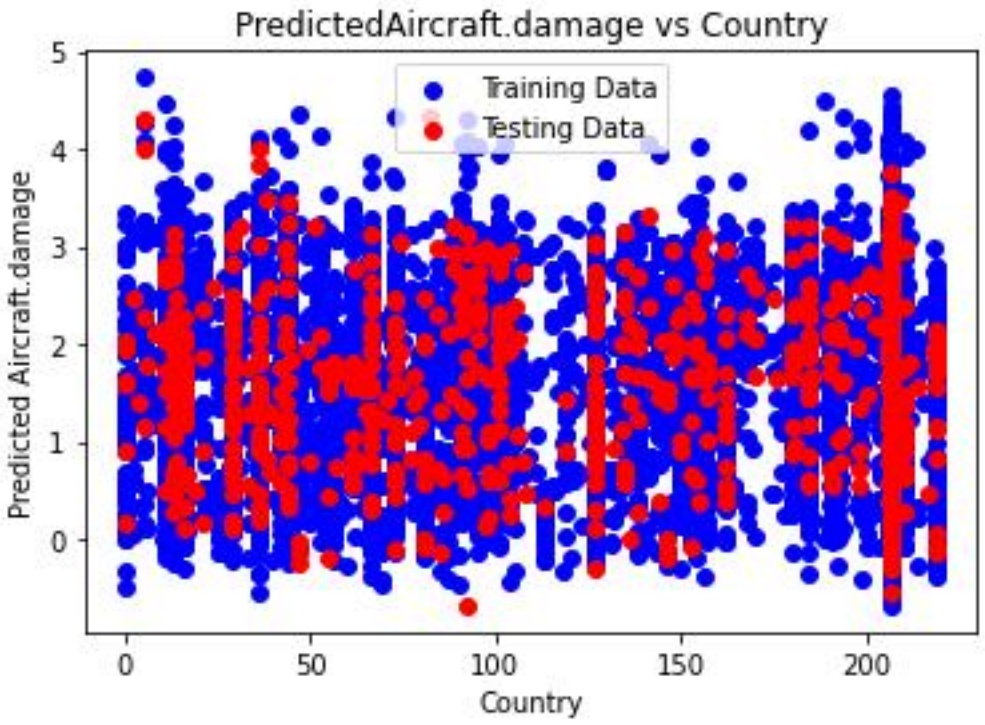


The provided plot presents a scatter plot illustrating the relationship between predicted aircraft damage and latitude. The x-axis, labeled "Latitude," delineates various latitudinal coordinates, while the y-axis denotes "PredictedAircraft.damage." Each data point corresponds to an individual aircraft incident.

Upon scrutiny, several observations emerge. Primarily, a dispersion of data points is evident across the entire latitude spectrum, implying a weak correlation between latitude and predicted aircraft damage. Additionally, the absence of a discernible linear trend suggests that variations in latitude do not consistently correlate with alterations in predicted damage levels.

However, discerning specific concentration patterns within the latitude range proves challenging, indicating the absence of notable clustering based on latitudinal coordinates.

It is imperative to note that while this visual representation offers insights into the latitude-predicted damage relationship, comprehensive consideration of other influential factors is necessary to fully comprehend and validate the model's predictions. Additionally, the inability to differentiate between training and testing data based solely on the data points themselves complicates the interpretation of the plot.



The plot provided depicts a scatter plot contrasting predicted aircraft damage against country. The x-axis is labeled "Country," while the y-axis is denoted as "PredictedAircraft.damage." Each data point symbolizes an individual aircraft incident.

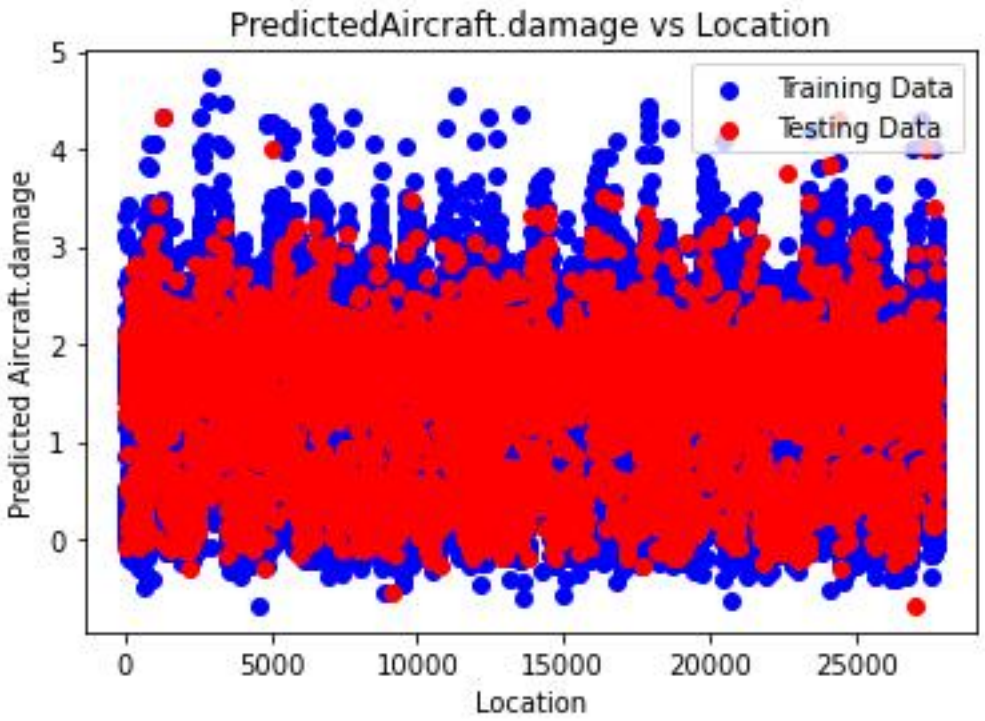
Upon examination, several observations can be made:

- A dispersion of data points is observable across a substantial portion of the y-axis, suggesting a tenuous correlation between country and predicted aircraft damage. Although the spread encompasses a considerable portion of the y-axis, there appears to be a higher concentration of points towards the bottom, indicating that most countries exhibit a low predicted average damage according to the model.

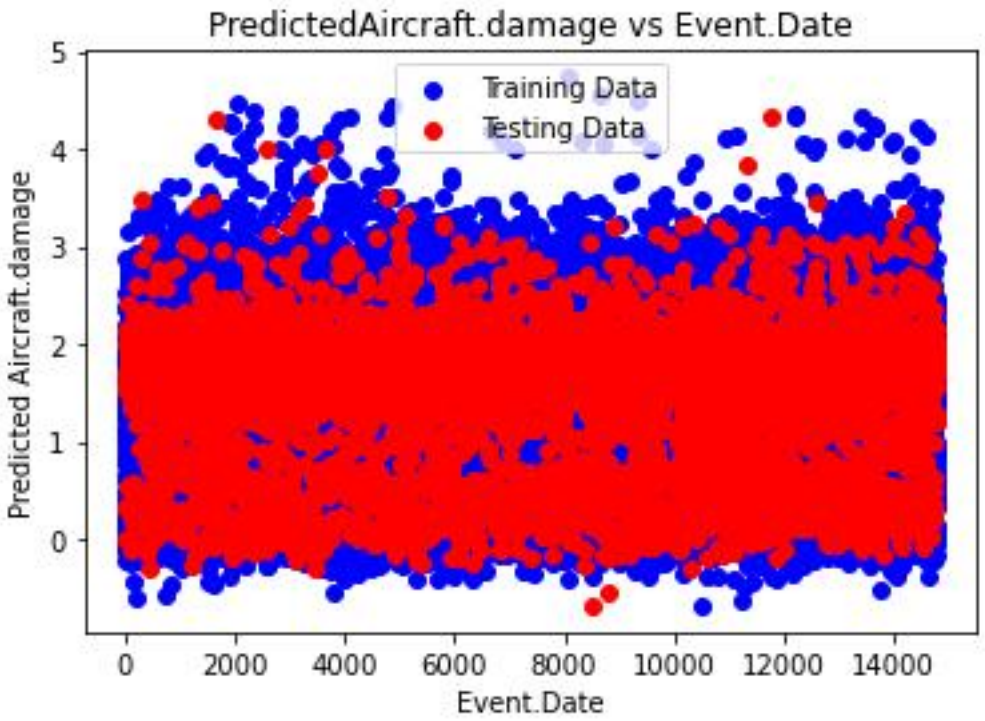
- Notably, the data points do not coalesce around a linear trendline, implying the absence of a straightforward linear relationship. Consequently, as the country varies, the predicted damage does not consistently ascend or descend.

- Furthermore, a greater density of points is discernible in the lower left quadrant of the graph. This concentration implies that certain countries may harbor fewer aircraft predicted to incur damage, according to the model.

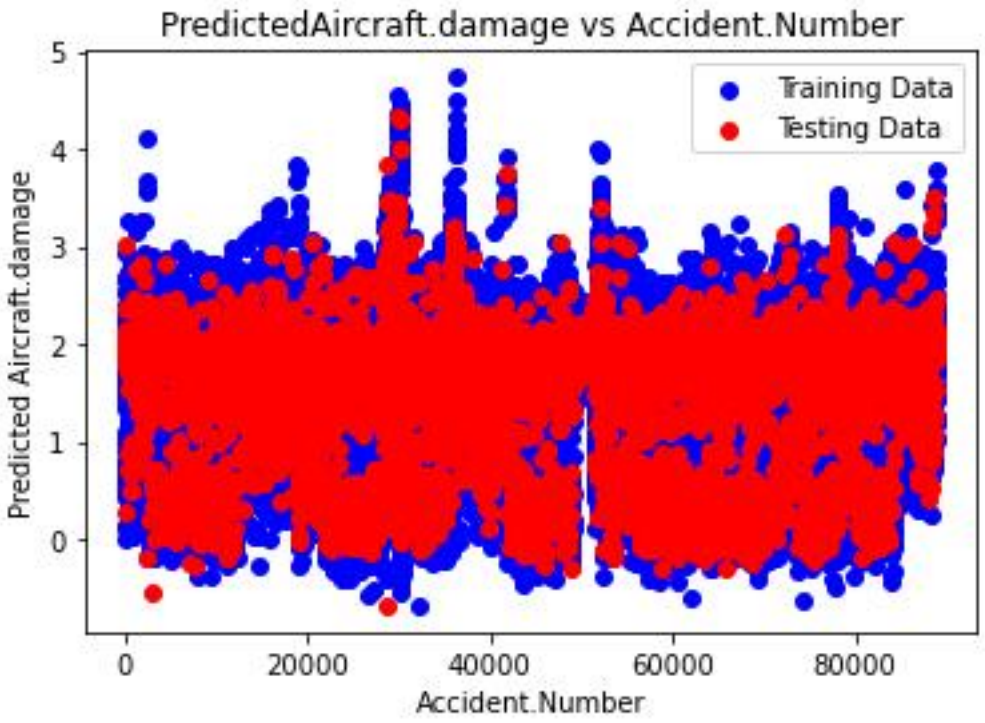
It is imperative to acknowledge that while this visual representation offers insights into the country-predicted damage relationship, comprehensive consideration of additional influential factors is necessary to thoroughly grasp and validate the model's predictions.



The scatter plot under examination juxtaposes predicted aircraft damage against location, with the x-axis denoting "Location" and the y-axis representing "Predicted Aircraft.damage." Each data point on the plot corresponds to an individual aircraft incident. Upon scrutiny, it becomes apparent that a weak correlation exists between location and predicted damage, as evidenced by the dispersed distribution of data points along the location axis. Moreover, the absence of a discernible linear trendline suggests the lack of a clear linear relationship between location and predicted damage. Consequently, fluctuations in location do not consistently correlate with changes in predicted damage levels. Additionally, the absence of distinct patterns in the concentration of data points across locations further underscores the complexity of this relationship. While this graphical representation offers preliminary insights, a more comprehensive analysis incorporating additional influential factors is imperative to validate the model's predictions rigorously. Furthermore, the lack of specific location labels on the x-axis impedes precise interpretations regarding the relationship between location and predicted damage. Hence, further investigation, potentially involving additional variables or advanced modeling techniques, may be warranted to elucidate the nuanced factors influencing aircraft damage prediction accurately.

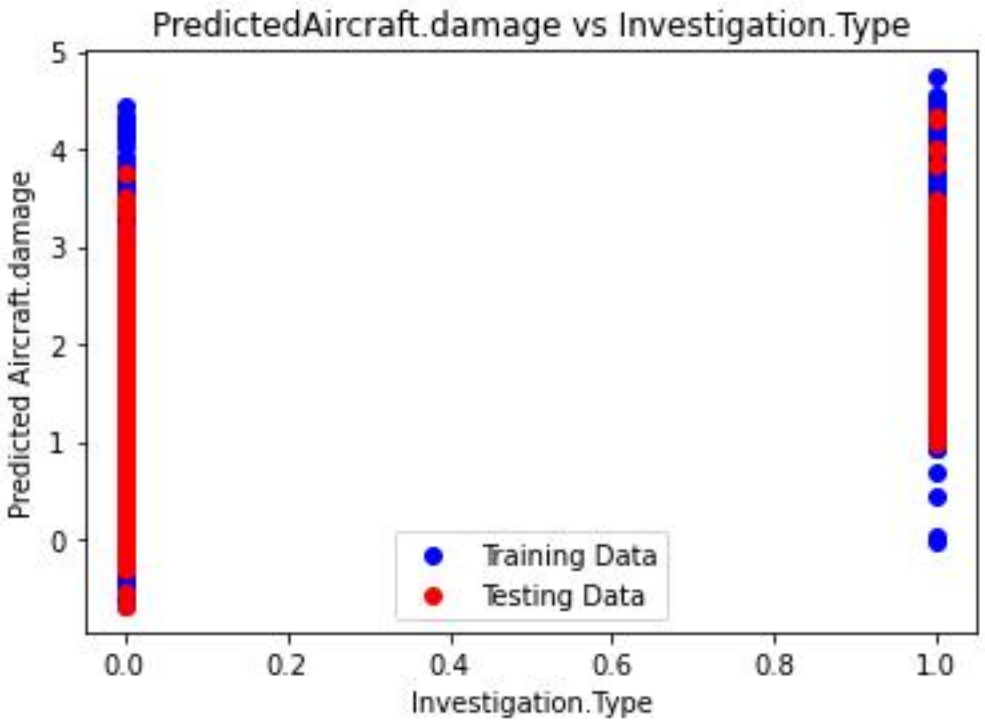


The scatter plot depicts the predicted aircraft damage against the event date for a dataset of aircraft incidents, showing no clear linear trend but a scattered distribution of data points across the graph. While there appears to be a concentration of incidents with lower predicted damage occurring on earlier dates, the absence of a discernible trend suggests a weak correlation between event date and predicted damage severity. However, without knowledge of the scale of event dates, drawing definitive conclusions about temporal trends is challenging. Additionally, it's crucial to consider other influencing factors beyond the scope of the plot that may affect the model's predictions, such as aircraft type and operational conditions. Further analysis incorporating additional variables and statistical methods may be necessary for a comprehensive understanding of the relationship between event date and predicted aircraft damage.

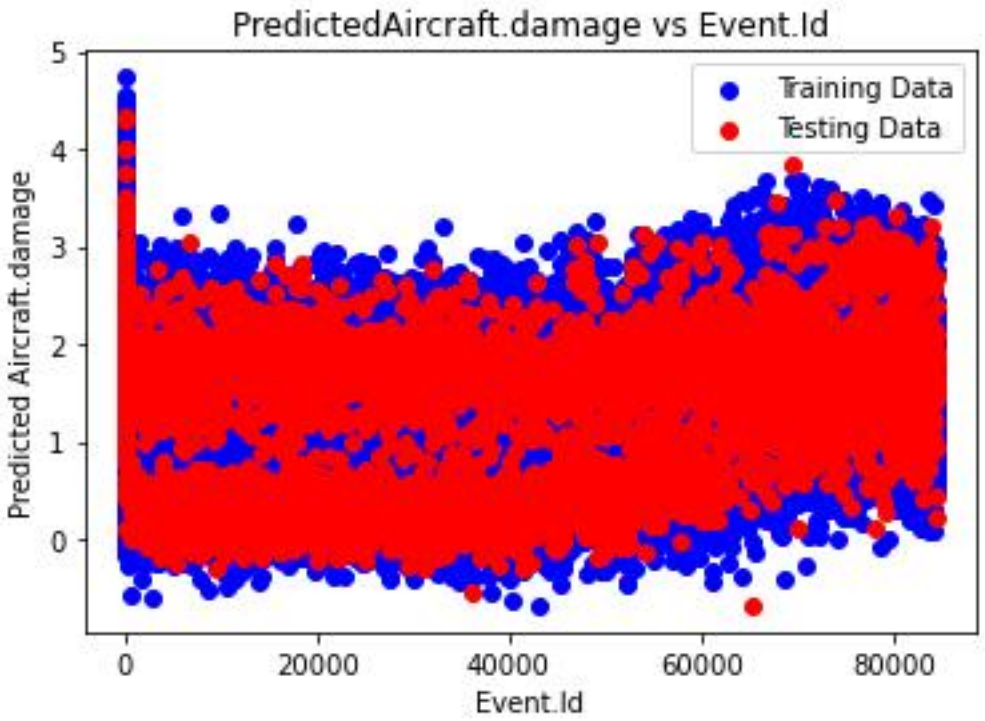


The provided scatter plot illustrates the relationship between predicted aircraft damage and the number of accidents, with the red line representing the average predicted aircraft damage and the blue points denoting actual aircraft damage from testing data. The x-axis depicts the number of accidents, while the y-axis indicates the predicted aircraft damage. Each blue point on the plot represents an individual accident, with its height on the y-axis representing the model's predicted damage for that specific incident.

The dispersion of blue points around the red line suggests variability in the damage outcomes for accidents with the same number of aircraft involved. This variability could stem from various factors such as aircraft type, prevailing weather conditions, and the underlying causes of the accidents. Despite this dispersion, an overall positive correlation emerges between the number of accidents and the predicted aircraft damage, indicating that an increase in the number of accidents tends to coincide with higher predicted damage levels. However, the spread of data points around the red line indicates that this correlation is not absolute, implying that factors beyond just the number of accidents contribute to the variability in predicted damage outcomes. Thus, while the plot underscores a general trend of increasing predicted damage with a higher number of accidents, it also highlights the complexity of factors influencing aircraft damage in accident scenarios.



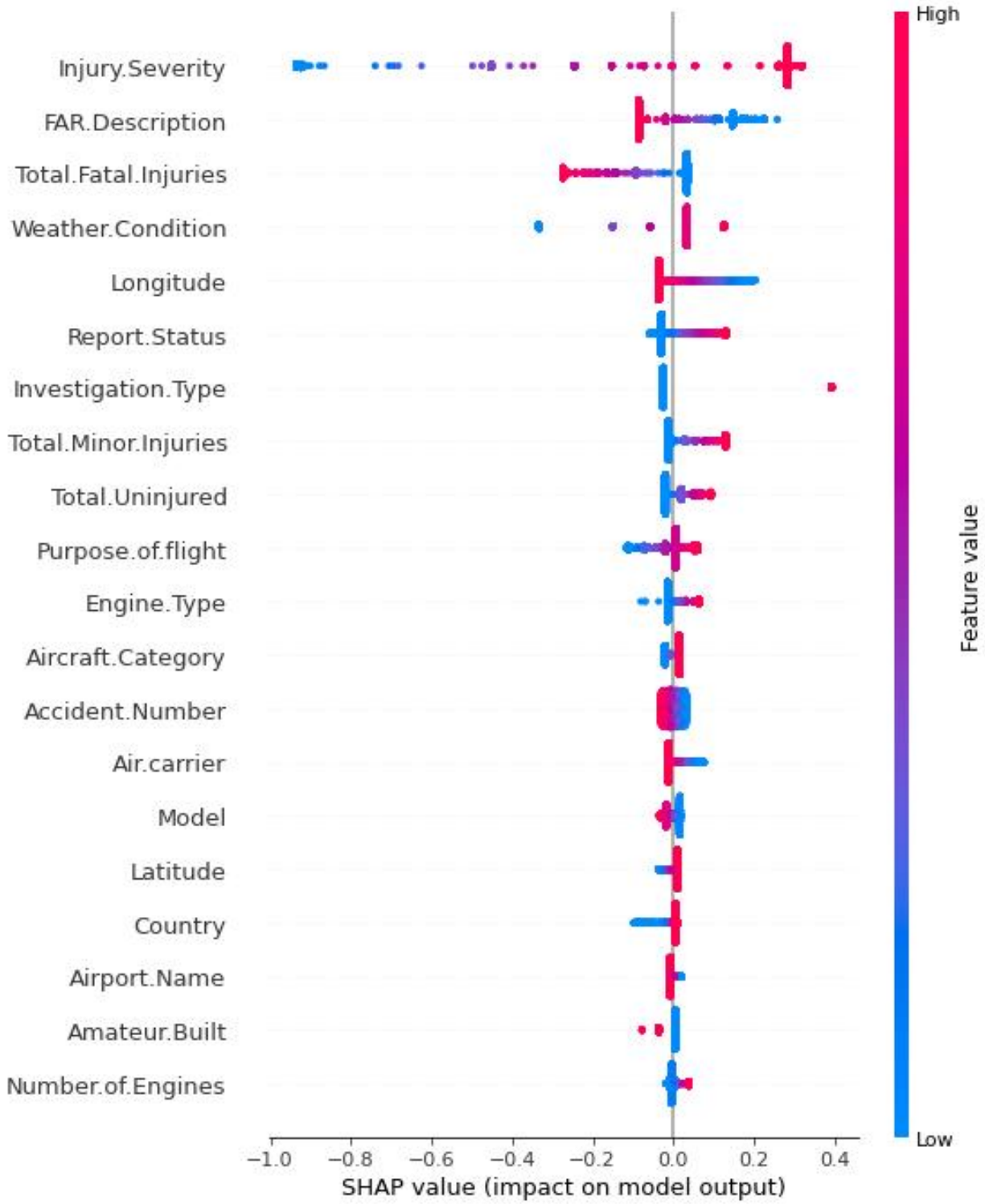
The plot provided illustrates the relationship between predicted aircraft damage and investigation type, though a potential labeling error on the axis is noted, as indicated by the legend specifying "Predicted Aircraft.damage" for the red line and "Investigation.Type" for the blue line. The x-axis denotes investigation type, potentially indicating distinct categories for training and testing data. However, the absence of labeled scales on the x-axis complicates interpretation regarding the nature of these investigation types. It is conceivable that the model was trained on one investigation type and tested on another, or vice versa. Without explicit scale labeling, discerning the precise meaning of investigation types remains challenging. Consequently, drawing definitive conclusions about the relationship between predicted aircraft damage and investigation type is hindered by the lack of contextual information. Further clarification regarding the investigation categories is essential to elucidate any discernible patterns or trends in the data.



The provided plot illustrates the relationship between predicted aircraft damage and event ID, with the red line representing the average predicted damage and the blue points indicating actual damage from testing data. On the x-axis, event IDs are displayed, while the y-axis denotes predicted aircraft damage. Each blue point represents a distinct event, with its position on the y-axis reflecting the model's predicted damage for that particular event.

The dispersion of blue points around the red line signifies variability in damage outcomes for events sharing the same ID. This variability may stem from diverse factors such as aircraft type, prevailing weather conditions, and the specific circumstances surrounding each event. Despite the scatter, no clear correlation emerges between event ID and predicted aircraft damage, as evidenced by the lack of a discernible pattern in the distribution of data points around the red line. This suggests that event ID alone may not serve as an effective predictor of aircraft damage. The absence of a consistent relationship underscores the complexity involved in accurately predicting damage based solely on event ID, indicating the potential necessity for additional predictive variables to enhance model performance.

SHAP-INTERPRETATION:


Injury.Severity
FAR.Description
Total.Fatal.Injuries
Weather.Condition
Longitude
Report.Status
Investigation.Type
Total.Minor.Injuries
Total.Uninjured
Purpose.of.flight
Engine.Type
Aircraft.Category
Accident.Number
Air.carrier
Model
Latitude
Country
Airport.Name
Amateur.Built
Number.of.Engines
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
0.4
SHAP value (impact on model output)
High
Feature value
Low

Second model:

1. Event ID: A unique identifier assigned to each aviation event.

2. Investigation Type: Specifies the type of investigation conducted for the event (e.g., Accident, Incident).

3. Accident Number: An identification number assigned to the accident.

4. Event Date: The date when the aviation event occurred.

5. Location: The geographical location where the event took place.

6. Country:The country where the event occurred.

7. Latitude: The latitude coordinate of the event location.

8. Longitude: The longitude coordinate of the event location.

9. Airport Code: The code assigned to the airport nearest to the event location.

10. Airport Name: The name of the airport nearest to the event location.

11. Injury Severity: Describes the severity of injuries resulting from the event (e.g., Fatal, Non-Fatal).

12. Aircraft Damage: Indicates the extent of damage to the aircraft (e.g., Destroyed, Substantial).

13. Aircraft Category: Specifies the category of the aircraft involved (e.g., Airplane, Helicopter).

14. Registration Number: The registration number assigned to the aircraft.

15. Make: The manufacturer of the aircraft.

16. Model:The model of the aircraft.

17. Amateur Built: Indicates whether the aircraft was amateur-built (Yes/No).

18. Number of Engines: Specifies the number of engines installed on the aircraft.

19. Engine Type: Describes the type of engine installed on the aircraft.

20. FAR Description: Provides a description of the Federal Aviation Regulation (FAR) applicable to the event.

21. Schedule: Indicates if the flight was scheduled (e.g., SCHD for Scheduled, NSCH for Non-Scheduled).

22. Purpose of Flight: Describes the purpose of the flight (e.g., Personal, Business).

23. Air Carrier: Specifies the air carrier involved in the event.

24. Total Fatal Injuries: The total number of fatal injuries resulting from the event.

25. Total Serious Injuries: The total number of serious injuries resulting from the event.

26. Total Minor Injuries: The total number of minor injuries resulting from the event.

27. Total Uninjured: The total number of individuals who were uninjured in the event.

28. Weather Condition: Describes the weather conditions at the time of the event.

29. Broad Phase of Flight: Specifies the broad phase of flight during which the event occurred (e.g., Takeoff, Cruise).

30. Report Status: Indicates the status of the report related to the event.

31. Publication Date: The date when the report related to the event was published.

EQUATION:

ENCODING ONLY CATEGORICAL VARIABLE

Accuracy: 0.8279676735559088

Coefficients: [2.246720079937795e-05, -1.063789584898673e-06, 4.465829340975149e-06, 3.572546963699715e-05, 5.052508264143696e-06, -2.371761876608092e-06, -0.0002973479431087051, -0.00028921617287846097, -0.000270405245748486, -0.0002086150585224657, 9.643524802348297e-06, -2.4366104698733695e-07, 1.985827844571316e-06, -2.292276758198357e-05, 6.0758333153316515e-05, -1.2760178426237535e-07, -2.084846562971678e-06, -2.616512862826371e-06, 1.483863068022023e-05, -4.2395810443064944e-07, -1.3910017022031742e-05, -5.915237312793384e-06, -8.773918093930648e-06, -7.482020128818091e-07, -1.4744483779565533e-06, -3.374239067666594e-05, -3.0015681007712964e-06, -5.671977810518049e-06, -0.0008137979687057241, 0.0]

Intercept: -5.3743280821452986e-08

Logistic Equation:

P(Aircraft Damage=1) = 1 / (1 + e^(-(-5.3743280821452986e-08 + 0.000022467*Event Id + -0.000001064*Investigation Type + 0.000004466*Accident Number + 0.000035725*Event Date + 0.000005053*Location + -0.000002372*Country + -0.000297348*Latitude + -0.000289216*Longitude + -0.000270405*Airport Code + -0.000208615*Airport Name + 0.000009644*Injury Severity + -0.000000244*Aircraft Category + 0.000001986*Registration Number + -0.000022923*Make + 0.000060758*Model + -0.000000128*Amateur Built + -0.000002085*Number of Engines + -0.000002617*Engine Type + 0.000014839*FAR Description + -0.000000424*Schedule + -0.000013910*Purpose of Flight + -0.000005915*Air Carrier + -0.000008774*Total Fatal Injuries + -0.000000748*Total Serious Injuries + -0.000001474*Total Minor Injuries + -0.000033742*Total Uninjured + -0.000003002*Weather Condition + -0.000005672*Broad Phase of Flight + -0.000813798*Report Publication Date + 0.000000000*Unnamed: 30))

Accuracy: 0.8261128775834659

Coefficients: [2.2737198631012384e-05, -1.2215655164474769e-06, 1.7312634797699286e-06, 4.590397888556747e-05, 6.384056600132479e-06, -2.145366578782471e-06, -0.0003490683905963343, -0.0003393996121922005, -0.00030918850299777696, -0.00028788097699429895, 1.171185540771871e-05, -2.8104228491773633e-07, 2.745039341519992e-06, -2.3755449862202954e-06, 7.377033811180471e-05, -1.4242458193989078e-07, -2.3961640444098577e-06, -3.007987384438043e-06, 1.7135230018753686e-05, -4.962643957421452e-07, -1.5954023160732497e-05, -5.959504933777492e-06, -1.0150569200300999e-05, -8.58275310409267e-07, -1.6580705031581774e-06, -3.756183989750323e-05, -3.4541602894294154e-06, -6.500894600088186e-06, -0.0009293262281895406, 0.0]

Intercept: -5.8375171250785243e-08

Logistic Equation:

P(Aircraft Damage=1) = 1 / (1 + e^(-(-5.8375171250785243e-08 + 0.000022737*Event Id + -0.000001222*Investigation Type + 0.000001731*Accident Number + 0.000045904*Event Date + 0.000006384*Location + -0.000002145*Country + -0.000349068*Latitude + -0.000339400*Longitude + -0.000309189*Airport Code + -0.000287881*Airport Name + 0.000011712*Injury Severity + -0.000000281*Aircraft Category + 0.000002745*Registration Number + -0.000002376*Make + 0.000073770*Model + -0.000000142*Amateur Built + -0.000002396*Number of Engines + -0.000003008*Engine Type + 0.000017135*FAR Description + -0.000000496*Schedule + -0.000015954*Purpose of Flight + -0.000005960*Air Carrier + -0.000010151*Total Fatal Injuries + -0.000000858*Total Serious Injuries + -0.000001658*Total Minor Injuries + -0.000037562*Total Uninjured + -0.000003454*Weather Condition + -0.000006501*Broad Phase of Flight + -0.000929326*Report Publication Date + 0.000000000*Unnamed: 30))

LOGISTIC EQUATION: 1/1+e^-z

POLYNOMIAL-EQUATION:

coefficient [4.45985401e-07 3.32972238e+00 -1.34876645e-06 -2.87112315e-06
 -7.24342913e-07 3.12815846e-03 -1.94606214e-05 4.18100526e-05
  4.75334747e-05 2.27420651e-05 1.33793347e-03 -3.74250653e-01
  1.26319421e-06 1.63003897e-05 -1.77934344e-05 1.58717141e-01
 -2.23315917e-01 1.26163535e-02 4.14622272e-03 -6.27994731e-02
  2.03040170e-02 -5.16201780e-05 2.21656565e-02 -2.10586183e-02
  2.13490906e-03 5.16785339e-03 -1.26833153e-02 -5.49989194e-03
 -1.06201427e-04 5.73266950e-07 -4.78728168e-13 -2.72824543e-06
 -2.09210427e-12 -2.74807954e-12 -1.24900090e-14 -2.77791246e-09
  1.21680714e-09 3.96615011e-11 -9.91547105e-11 5.75300675e-11
 -1.76363775e-09 2.47887603e-07 2.80664381e-13 -1.95193167e-12
  5.12963283e-12 8.80118198e-08 5.13371794e-07 2.59453963e-07
  2.45759780e-08 -5.02386251e-07 1.01482313e-07 2.76813339e-09
  9.35739247e-10 -7.55286741e-08 -4.44818502e-08 -3.79967443e-09
 -5.78858932e-07 7.46821213e-09 4.37171339e-10 -3.12774955e-08
 -1.83077683e+00 1.20317177e-07 8.07515322e-06 4.01134892e-06
 -9.33141172e-04 -4.11456914e-05 1.52387126e-05 -1.75740038e-05
  6.92965517e-06 8.55214380e-03 1.24404278e-01 1.12735557e-06
  1.70987850e-07 -4.94718685e-06 -1.74444932e-01 5.68811389e-02
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  7.32363578e-05 -2.29379135e-02 -2.00284827e-02 5.06587172e-03
 -4.85059053e-04 3.20533627e-02 8.17822726e-03 -6.07249004e-05
 -6.35529290e-10 8.65701955e-12 -6.56874902e-12 4.03170552e-13
 -2.04557562e-09 9.05037386e-11 -5.96873159e-11 3.35863802e-11
  2.46371604e-11 -3.68940444e-10 1.41497350e-07 8.01941846e-13

4.94662904e-12 3.22929530e-12 6.15992467e-07 -1.88966622e-07

1.24124146e-07 3.13593132e-09 1.08881851e-07 4.80050585e-09

-5.07579309e-10 -1.40779880e-09 -8.06685628e-08 -4.13331262e-08

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-6.38594368e-10 4.22880420e-11 -3.07118452e-11 7.49236699e-09

-4.34131093e-10 -2.22457065e-10 1.21213124e-10 -1.42032804e-10

6.22231847e-09 -1.19323471e-06 1.31906465e-12 -1.42197248e-10

-4.06244873e-11 8.21948705e-07 -9.14883618e-08 -8.92677202e-07

6.02651117e-08 2.58648146e-06 4.07881793e-08 -2.26973692e-09

1.70749916e-08 1.20696612e-07 8.67526758e-08 -1.19388844e-08

-1.74459903e-06 -2.71082567e-07 1.98452395e-09 1.76017857e-09

3.08398581e-12 -1.33990110e-08 -1.45859688e-10 -2.29482088e-10

1.58412181e-11 -2.60782368e-12 9.85561682e-09 -2.53400919e-07

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-7.46975961e-07 -2.73426931e-07 1.07450989e-07 -6.18114081e-08

4.25963074e-08 -1.71072929e-09 -2.70256639e-08 1.91694724e-08

1.65492087e-07 -1.00464344e-08 3.69466734e-08 1.56461913e-08

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2.22037198e-07 5.18494502e-09 -1.14461260e-07 1.75681090e-06

4.21707053e-04 -6.76549031e-09 7.46125456e-08 5.57467101e-08

-6.03055344e-05 6.73859890e-04 3.58890485e-05 -3.09319935e-05

3.32652339e-04 -2.62056717e-05 4.07007227e-07 -4.30238343e-05

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7.00667676e-06 -6.95186909e-08 -1.26242282e-10 2.10765096e-09

-1.16226793e-09 5.97144121e-10 -3.36693168e-10 -2.68826196e-07

-7.88963648e-07 -3.62554067e-11 1.59870585e-09 -1.30027335e-10

7.19563821e-06 4.54194997e-06 -6.97936272e-07 -1.49124268e-07

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3.21361207e-06 1.28862753e-06 -2.64143238e-09 -1.76931027e-06

1.47234520e-06 -3.80411086e-09 -1.07693269e-10 -6.11438497e-09
5.07643413e-11 -3.86798864e-12 -2.14316710e-07 -1.84895047e-06
3.21496321e-11 6.99127515e-10 -5.54542529e-10 1.27348806e-05
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1.47364207e-08 7.30354311e-07 -1.47311957e-07 -1.17134186e-09
-4.31921946e-12 -5.85440560e-07 -2.45676356e-04 -3.01644276e-09
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1.22048332e-08 1.78408155e-10 7.59299196e-11 9.70157233e-09

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1.05789466e-01 2.64410101e-02 6.11528897e-04 5.72484824e-02

9.00186665e-04 -1.23687715e-04 -8.04595205e-04 1.49854923e-03

4.23660740e-03 8.76804096e-05 -5.38538436e-02 -1.32835781e-03

1.97360566e-05 -8.37593883e-14 -4.18682763e-02 1.12199135e-02

1.28394935e-03 -5.42826466e-02 -1.00890425e-03 2.43303784e-05

1.13179910e-03 1.88507438e-03 -2.95626473e-03 5.37510582e-04

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-2.30427882e-03 -1.42570620e-04 -1.21963910e-03 -9.85095236e-04

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-3.88578059e-15 -1.53602811e-05 -1.58490418e-03 6.50733937e-05

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9.26592842e-04 -8.62889627e-03 -8.61959029e-05 -3.62261653e-04

1.65489961e-03 5.26006882e-03 -4.43610684e-06 1.33226763e-15

-7.40699249e-04 4.39388296e-06 8.87919443e-06 5.11508590e-04

-3.04705379e-05 -2.67751859e-08 -1.77513251e-03 -6.93831234e-05

7.83967070e-07 -1.77635684e-15 -1.39192815e-09 1.83218619e-06

2.09823613e-06 2.11187365e-06 3.31497724e-07 -2.44130246e-05

8.31805431e-06 9.72254769e-09 2.22044605e-15 -3.89623430e-04

3.09803404e-04 5.21270631e-05 4.75391722e-05 -1.33344880e-03

-3.84444631e-05 -1.17672052e-07 0.00000000e+00 2.94719806e-03

3.55407576e-04 -1.37615864e-04 -1.90573141e-03 -5.01121257e-04

2.24416881e-06 0.00000000e+00 4.99750897e-05 5.48674491e-06

1.00212297e-03 -8.38882346e-06 2.99351828e-07 0.00000000e+00

-3.13805368e-06 -2.76118477e-04 -3.99175444e-05 -1.72375444e-07

0.00000000e+00 6.02632532e-02 -4.13495231e-03 1.79726418e-05

0.00000000e+00 -7.47771255e-04 -7.27656253e-07 0.00000000e+00

-7.10184327e-09 0.00000000e+00 0.00000000e+00]

intercept -0.32619251383242265

Equation: Aircraft Damage= -0.326192514 + 3.329722382 * Investigation Type + -0.000001349 * Accident Number + -0.000002871 * Event Date + -0.000000724 * Location + 0.003128158 * Country + -0.000019461 * Latitude + 0.000041810 * Longitude + 0.000047533 * Airport Code + 0.000022742 * Airport Name + 0.001337933 * Injury Severity + -0.374250653 * Aircraft Category + 0.000001263 * Registration Number + 0.000016300 * Make + -0.000017793 * Model + 0.158717141 * Amateur Built + -0.223315917 * Number of Engines + 0.012616354 * Engine Type + 0.004146223 * FAR Description + -0.062799473 * Schedule + 0.020304017 * Purpose of Flight + -0.000051620 * Air Carrier + 0.022165656 * Total Fatal Injuries + -0.021058618 * Total Serious Injuries + 0.002134909 * Total Minor Injuries + 0.005167853 * Total Uninjured + -0.012683315 * Weather Condition + -0.005499892 * Broad Phase of Flight + -0.000106201 * Report Publication Date + 0.000000573 * Unnamed: 30 + -0.000000000 * Event Id^2 + -0.000002728 * Event Id^1*Investigation Type^1 + -0.000000000 * Event Id^1*Accident Number^1 + -0.000000000 * Event Id^1*Event Date^1 + -0.000000000 * Event Id^1*Location^1 + -0.000000003 * Event Id^1*Country^1 + 0.000000001 * Event Id^1*Latitude^1 + 0.000000000 * Event Id^1*Longitude^1 + -0.000000000 * Event Id^1*Airport Code^1 + 0.000000000 * Event Id^1*Airport Name^1 + -0.000000002 * Event Id^1*Injury Severity^1 + 0.000000248 * Event Id^1*Aircraft Category^1 + 0.000000000 * Event Id^1*Registration Number^1 + -0.000000000 * Event Id^1*Make^1 + 0.000000000 * Event Id^1*Model^1 + 0.000000088 * Event Id^1*Amateur Built^1 + 0.000000513 * Event Id^1*Number of Engines^1 + 0.000000259 * Event Id^1*Engine Type^1 + 0.000000025 * Event Id^1*FAR Description^1 + -0.000000502 * Event Id^1*Schedule^1 + 0.000000101 * Event Id^1*Purpose of Flight^1 + 0.000000003 * Event Id^1*Air Carrier^1 + 0.000000001 * Event Id^1*Total Fatal Injuries^1 + -0.000000076 * Event Id^1*Total Serious Injuries^1 + -0.000000044 * Event Id^1*Total Minor Injuries^1 + -0.000000004 * Event Id^1*Total Uninjured^1 + -0.000000579 * Event Id^1*Weather Condition^1 + 0.000000007 * Event Id^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Report Publication Date^1 + -0.000000031 * Event Id^1*Unnamed: 30^1 + -1.830776825 * Investigation Type^2

+ 0.000000120 * Investigation Type^1*Accident Number^1 + 0.000008075 * Investigation Type^1*Event Date^1 + 0.000004011 * Investigation Type^1*Location^1 + -0.000933141 * Investigation Type^1*Country^1 + -0.000041146 * Investigation Type^1*Latitude^1 + 0.000015239 * Investigation Type^1*Longitude^1 + -0.000017574 * Investigation Type^1*Airport Code^1 + 0.000006930 * Investigation Type^1*Airport Name^1 + 0.008552144 * Investigation Type^1*Injury Severity^1 + 0.124404278 * Investigation Type^1*Aircraft Category^1 + 0.000001127 * Investigation Type^1*Registration Number^1 + 0.000000171 * Investigation Type^1*Make^1 + -0.000004947 * Investigation Type^1*Model^1 + -0.174444932 * Investigation Type^1*Amateur Built^1 + 0.056881139 * Investigation Type^1*Number of Engines^1 + -0.034503839 * Investigation Type^1*Engine Type^1 + 0.009322826 * Investigation Type^1*FAR Description^1 + 0.084926768 * Investigation Type^1*Schedule^1 + -0.001035348 * Investigation Type^1*Purpose of Flight^1 + 0.000073236 * Investigation Type^1*Air Carrier^1 + -0.022937913 * Investigation Type^1*Total Fatal Injuries^1 + -0.020028483 * Investigation Type^1*Total Serious Injuries^1 + 0.005065872 * Investigation Type^1*Total Minor Injuries^1 + -0.000485059 * Investigation Type^1*Total Uninjured^1 + 0.032053363 * Investigation Type^1*Weather Condition^1 + 0.008178227 * Investigation Type^1*Broad Phase of Flight^1 + -0.000060725 * Investigation Type^1*Report Publication Date^1 + -0.000000001 * Investigation Type^1*Unnamed: 30^1 + 0.000000000 * Accident Number^2 + -0.000000000 * Accident Number^1*Event Date^1 + 0.000000000 * Accident Number^1*Location^1 + -0.000000002 * Accident Number^1*Country^1 + 0.000000000 * Accident Number^1*Latitude^1 + -0.000000000 * Accident Number^1*Longitude^1 + 0.000000000 * Accident Number^1*Airport Code^1 + 0.000000000 * Accident Number^1*Airport Name^1 + -0.000000000 * Accident Number^1*Injury Severity^1 + 0.000000141 * Accident Number^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Registration Number^1 + 0.000000000 * Accident Number^1*Make^1 + 0.000000000 * Accident Number^1*Model^1 + 0.000000616 * Accident Number^1*Amateur Built^1 + -0.000000189 * Accident Number^1*Number of Engines^1 + 0.000000124 * Accident Number^1*Engine Type^1 + 0.000000003 * Accident Number^1*FAR Description^1 + 0.000000109 * Accident Number^1*Schedule^1 + 0.000000005 * Accident Number^1*Purpose of Flight^1 + -0.000000001 * Accident Number^1*Air Carrier^1 + -0.000000001 * Accident Number^1*Total Fatal Injuries^1 + -0.000000081 * Accident Number^1*Total Serious Injuries^1 + -0.000000041 * Accident Number^1*Total Minor Injuries^1 + -0.000000001 * Accident Number^1*Total Uninjured^1 + -0.000000238 * Accident Number^1*Weather Condition^1 + -0.000000025 * Accident Number^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Report Publication Date^1 + -0.000000001 * Accident Number^1*Unnamed: 30^1 + 0.000000000 * Event Date^2 + -0.000000000 * Event Date^1*Location^1 + 0.000000007 * Event Date^1*Country^1 + -0.000000000 * Event Date^1*Latitude^1 + -0.000000000 * Event Date^1*Longitude^1 + 0.000000000 * Event Date^1*Airport Code^1 + -0.000000000 * Event Date^1*Airport Name^1 + 0.000000006 * Event Date^1*Injury Severity^1 + -0.000001193 * Event Date^1*Aircraft Category^1 + 0.000000000 * Event Date^1*Registration Number^1 + -0.000000000 * Event Date^1*Make^1 + -0.000000000 * Event Date^1*Model^1 + 0.000000822 * Event Date^1*Amateur Built^1 + -0.000000091 * Event Date^1*Number of Engines^1 + -0.000000893 * Event Date^1*Engine Type^1 + 0.000000060 * Event Date^1*FAR Description^1 + 0.000002586 * Event Date^1*Schedule^1 + 0.000000041 * Event Date^1*Purpose of Flight^1 + -0.000000002 * Event Date^1*Air Carrier^1 + 0.000000017 * Event Date^1*Total Fatal Injuries^1 + 0.000000121 * Event Date^1*Total Serious Injuries^1 + 0.000000087 * Event Date^1*Total Minor Injuries^1 + -0.000000012 * Event Date^1*Total Uninjured^1 + -0.000001745

* Event Date^1*Weather Condition^1 + -0.000000271 * Event Date^1*Broad Phase of Flight^1 + 0.000000002 * Event Date^1*Report Publication Date^1 + 0.000000002 * Event Date^1*Unnamed: 30^1 + 0.000000000 * Location^2 + -0.000000013 * Location^1*Country^1 + -0.000000000 * Location^1*Latitude^1 + -0.000000000 * Location^1*Longitude^1 + 0.000000000 * Location^1*Airport Code^1 + -0.000000000 * Location^1*Airport Name^1 + 0.000000010 * Location^1*Injury Severity^1 + -0.000000253 * Location^1*Aircraft Category^1 + -0.000000000 * Location^1*Registration Number^1 + -0.000000000 * Location^1*Make^1 + -0.000000000 * Location^1*Model^1 + 0.000000499 * Location^1*Amateur Built^1 + -0.000000747 * Location^1*Number of Engines^1 + -0.000000273 * Location^1*Engine Type^1 + 0.000000107 * Location^1*FAR Description^1 + -0.000000062 * Location^1*Schedule^1 + 0.000000043 * Location^1*Purpose of Flight^1 + -0.000000002 * Location^1*Air Carrier^1 + -0.000000027 * Location^1*Total Fatal Injuries^1 + 0.000000019 * Location^1*Total Serious Injuries^1 + 0.000000165 * Location^1*Total Minor Injuries^1 + -0.000000010 * Location^1*Total Uninjured^1 + 0.000000037 * Location^1*Weather Condition^1 + 0.000000016 * Location^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Report Publication Date^1 + -0.000000000 * Location^1*Unnamed: 30^1 + -0.000009794 * Country^2 + 0.000000003 * Country^1*Latitude^1 + 0.000000222 * Country^1*Longitude^1 + 0.000000005 * Country^1*Airport Code^1 + -0.000000114 * Country^1*Airport Name^1 + 0.000001757 * Country^1*Injury Severity^1 + 0.000421707 * Country^1*Aircraft Category^1 + -0.000000007 * Country^1*Registration Number^1 + 0.000000075 * Country^1*Make^1 + 0.000000056 * Country^1*Model^1 + -0.000060306 * Country^1*Amateur Built^1 + 0.000673860 * Country^1*Number of Engines^1 + 0.000035889 * Country^1*Engine Type^1 + -0.000030932 * Country^1*FAR Description^1 + 0.000332652 * Country^1*Schedule^1 + -0.000026206 * Country^1*Purpose of Flight^1 + 0.000000407 * Country^1*Air Carrier^1 + -0.000043024 * Country^1*Total Fatal Injuries^1 + -0.000040076 * Country^1*Total Serious Injuries^1 + -0.000028634 * Country^1*Total Minor Injuries^1 + -0.000012060 * Country^1*Total Uninjured^1 + 0.000329601 * Country^1*Weather Condition^1 + 0.000007007 * Country^1*Broad Phase of Flight^1 + -0.000000070 * Country^1*Report Publication Date^1 + -0.000000000 * Country^1*Unnamed: 30^1 + 0.000000002 * Latitude^2 + -0.000000001 * Latitude^1*Longitude^1 + 0.000000001 * Latitude^1*Airport Code^1 + -0.000000000 * Latitude^1*Airport Name^1 + -0.000000269 * Latitude^1*Injury Severity^1 + -0.000000789 * Latitude^1*Aircraft Category^1 + -0.000000000 * Latitude^1*Registration Number^1 + 0.000000002 * Latitude^1*Make^1 + -0.000000000 * Latitude^1*Model^1 + 0.000007196 * Latitude^1*Amateur Built^1 + 0.000004542 * Latitude^1*Number of Engines^1 + -0.000000698 * Latitude^1*Engine Type^1 + -0.000000149 * Latitude^1*FAR Description^1 + 0.000000411 * Latitude^1*Schedule^1 + -0.000001086 * Latitude^1*Purpose of Flight^1 + 0.000000006 * Latitude^1*Air Carrier^1 + 0.000000229 * Latitude^1*Total Fatal Injuries^1 + 0.000003214 * Latitude^1*Total Serious Injuries^1 + 0.000001289 * Latitude^1*Total Minor Injuries^1 + -0.000000003 * Latitude^1*Total Uninjured^1 + -0.000001769 * Latitude^1*Weather Condition^1 + 0.000001472 * Latitude^1*Broad Phase of Flight^1 + -0.000000004 * Latitude^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Unnamed: 30^1 + -0.000000006 * Longitude^2 + 0.000000000 * Longitude^1*Airport Code^1 + -0.000000000 * Longitude^1*Airport Name^1 + -0.000000214 * Longitude^1*Injury Severity^1 + -0.000001849 * Longitude^1*Aircraft Category^1 + 0.000000000 * Longitude^1*Registration Number^1 + 0.000000001 * Longitude^1*Make^1 + -0.000000001 * Longitude^1*Model^1 + 0.000012735 * Longitude^1*Amateur Built^1 + -0.000003475 * Longitude^1*Number of Engines^1 + 0.000000409 * Longitude^1*Engine Type^1 + 0.000000702 * Longitude^1*FAR Description^1 + -0.000033557 * Longitude^1*Schedule^1 + -

0.000000188 * Longitude^1*Purpose of Flight^1 + 0.000000027 * Longitude^1*Air Carrier^1 + 0.000000010 * Longitude^1*Total Fatal Injuries^1 + 0.000001844 * Longitude^1*Total Serious Injuries^1 + 0.000000321 * Longitude^1*Total Minor Injuries^1 + -0.000000053 * Longitude^1*Total Uninjured^1 + 0.000002111 * Longitude^1*Weather Condition^1 + -0.000001407 * Longitude^1*Broad Phase of Flight^1 + -0.000000004 * Longitude^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Unnamed: 30^1 + -0.000000003 * Airport Code^2 + -0.000000001 * Airport Code^1*Airport Name^1 + 0.000000138 * Airport Code^1*Injury Severity^1 + -0.000004264 * Airport Code^1*Aircraft Category^1 + -0.000000000 * Airport Code^1*Registration Number^1 + -0.000000000 * Airport Code^1*Make^1 + 0.000000000 * Airport Code^1*Model^1 + -0.000008745 * Airport Code^1*Amateur Built^1 + 0.000006530 * Airport Code^1*Number of Engines^1 + 0.000000840 * Airport Code^1*Engine Type^1 + 0.000000168 * Airport Code^1*FAR Description^1 + 0.000000515 * Airport Code^1*Schedule^1 + 0.000000381 * Airport Code^1*Purpose of Flight^1 + 0.000000009 * Airport Code^1*Air Carrier^1 + -0.000000087 * Airport Code^1*Total Fatal Injuries^1 + -0.000002064 * Airport Code^1*Total Serious Injuries^1 + 0.000000560 * Airport Code^1*Total Minor Injuries^1 + 0.000000003 * Airport Code^1*Total Uninjured^1 + -0.000008475 * Airport Code^1*Weather Condition^1 + 0.000000268 * Airport Code^1*Broad Phase of Flight^1 + 0.000000003 * Airport Code^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Unnamed: 30^1 + -0.000000000 * Airport Name^2 + -0.000000026 * Airport Name^1*Injury Severity^1 + 0.000000486 * Airport Name^1*Aircraft Category^1 + 0.000000000 * Airport Name^1*Registration Number^1 + -0.000000000 * Airport Name^1*Make^1 + -0.000000000 * Airport Name^1*Model^1 + -0.000000112 * Airport Name^1*Amateur Built^1 + -0.000002749 * Airport Name^1*Number of Engines^1 + 0.000000695 * Airport Name^1*Engine Type^1 + -0.000000000 * Airport Name^1*FAR Description^1 + 0.000003184 * Airport Name^1*Schedule^1 + 0.000000083 * Airport Name^1*Purpose of Flight^1 + 0.000000000 * Airport Name^1*Air Carrier^1 + -0.000000031 * Airport Name^1*Total Fatal Injuries^1 + 0.000000859 * Airport Name^1*Total Serious Injuries^1 + -0.000000304 * Airport Name^1*Total Minor Injuries^1 + 0.000000015 * Airport Name^1*Total Uninjured^1 + 0.000000730 * Airport Name^1*Weather Condition^1 + -0.000000147 * Airport Name^1*Broad Phase of Flight^1 + -0.000000001 * Airport Name^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Unnamed: 30^1 + -0.000000585 * Injury Severity^2 + -0.000245676 * Injury Severity^1*Aircraft Category^1 + -0.000000003 * Injury Severity^1*Registration Number^1 + -0.000000008 * Injury Severity^1*Make^1 + 0.000000023 * Injury Severity^1*Model^1 + -0.000613919 * Injury Severity^1*Amateur Built^1 + 0.000621941 * Injury Severity^1*Number of Engines^1 + -0.000070783 * Injury Severity^1*Engine Type^1 + -0.000034184 * Injury Severity^1*FAR Description^1 + -0.000278456 * Injury Severity^1*Schedule^1 + 0.000009860 * Injury Severity^1*Purpose of Flight^1 + 0.000000072 * Injury Severity^1*Air Carrier^1 + 0.000266920 * Injury Severity^1*Total Fatal Injuries^1 + -0.000363539 * Injury Severity^1*Total Serious Injuries^1 + -0.000152791 * Injury Severity^1*Total Minor Injuries^1 + -0.000009202 * Injury Severity^1*Total Uninjured^1 + -0.000108010 * Injury Severity^1*Weather Condition^1 + 0.000012729 * Injury Severity^1*Broad Phase of Flight^1 + 0.000000184 * Injury Severity^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Unnamed: 30^1 + 0.024928011 * Aircraft Category^2 + -0.000000017 * Aircraft Category^1*Registration Number^1 + 0.000005933 * Aircraft Category^1*Make^1 + -0.000001334 * Aircraft Category^1*Model^1 + -0.032655411 * Aircraft Category^1*Amateur Built^1 + -0.008860109 * Aircraft Category^1*Number of Engines^1 + 0.003924110 * Aircraft Category^1*Engine Type^1 + 0.001190599 * Aircraft Category^1*FAR Description^1 + 0.010415995 * Aircraft Category^1*Schedule^1 + -0.001491033 * Aircraft Category^1*Purpose of Flight^1 + -0.000007526 *

Aircraft Category^1*Air Carrier^1 + 0.000478259 * Aircraft Category^1*Total Fatal Injuries^1 + 0.003907833 * Aircraft Category^1*Total Serious Injuries^1 + 0.000888121 * Aircraft Category^1*Total Minor Injuries^1 + 0.000088039 * Aircraft Category^1*Total Uninjured^1 + 0.018053849 * Aircraft Category^1*Weather Condition^1 + 0.000591571 * Aircraft Category^1*Broad Phase of Flight^1 + 0.000001660 * Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Registration Number^2 + -0.000000000 * Registration Number^1*Make^1 + 0.000000000 * Registration Number^1*Model^1 + -0.000000012 * Registration Number^1*Amateur Built^1 + -0.000000331 * Registration Number^1*Number of Engines^1 + -0.000000172 * Registration Number^1*Engine Type^1 + 0.000000010 * Registration Number^1*FAR Description^1 + -0.000000340 * Registration Number^1*Schedule^1 + -0.000000013 * Registration Number^1*Purpose of Flight^1 + 0.000000000 * Registration Number^1*Air Carrier^1 + 0.000000001 * Registration Number^1*Total Fatal Injuries^1 + -0.000000016 * Registration Number^1*Total Serious Injuries^1 + 0.000000012 * Registration Number^1*Total Minor Injuries^1 + 0.000000000 * Registration Number^1*Total Uninjured^1 + 0.000000000 * Registration Number^1*Weather Condition^1 + 0.000000010 * Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Registration Number^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Unnamed: 30^1 + -0.000000002 * Make^2 + 0.000000001 * Make^1*Model^1 + -0.000005119 * Make^1*Amateur Built^1 + -0.000011039 * Make^1*Number of Engines^1 + 0.000000270 * Make^1*Engine Type^1 + -0.000000466 * Make^1*FAR Description^1 + 0.000003094 * Make^1*Schedule^1 + 0.000001278 * Make^1*Purpose of Flight^1 + 0.000000002 * Make^1*Air Carrier^1 + -0.000000008 * Make^1*Total Fatal Injuries^1 + -0.000000789 * Make^1*Total Serious Injuries^1 + -0.000000011 * Make^1*Total Minor Injuries^1 + -0.000000038 * Make^1*Total Uninjured^1 + -0.000000723 * Make^1*Weather Condition^1 + 0.000000546 * Make^1*Broad Phase of Flight^1 + 0.000000001 * Make^1*Report Publication Date^1 + -0.000000000 * Make^1*Unnamed: 30^1 + 0.000000001 * Model^2 + -0.000002489 * Model^1*Amateur Built^1 + 0.000001006 * Model^1*Number of Engines^1 + -0.000001680 * Model^1*Engine Type^1 + 0.000000051 * Model^1*FAR Description^1 + 0.000003486 * Model^1*Schedule^1 + 0.000000130 * Model^1*Purpose of Flight^1 + 0.000000006 * Model^1*Air Carrier^1 + 0.000000098 * Model^1*Total Fatal Injuries^1 + -0.000000608 * Model^1*Total Serious Injuries^1 + 0.000000423 * Model^1*Total Minor Injuries^1 + 0.000000009 * Model^1*Total Uninjured^1 + 0.000001117 * Model^1*Weather Condition^1 + -0.000000040 * Model^1*Broad Phase of Flight^1 + 0.000000001 * Model^1*Report Publication Date^1 + 0.000000000 * Model^1*Unnamed: 30^1 + -0.046103309 * Amateur Built^2 + 0.105789466 * Amateur Built^1*Number of Engines^1 + 0.026441010 * Amateur Built^1*Engine Type^1 + 0.000611529 * Amateur Built^1*FAR Description^1 + 0.057248482 * Amateur Built^1*Schedule^1 + 0.000900187 * Amateur Built^1*Purpose of Flight^1 + -0.000123688 * Amateur Built^1*Air Carrier^1 + -0.000804595 * Amateur Built^1*Total Fatal Injuries^1 + 0.001498549 * Amateur Built^1*Total Serious Injuries^1 + 0.004236607 * Amateur Built^1*Total Minor Injuries^1 + 0.000087680 * Amateur Built^1*Total Uninjured^1 + -0.053853844 * Amateur Built^1*Weather Condition^1 + -0.001328358 * Amateur Built^1*Broad Phase of Flight^1 + 0.000019736 * Amateur Built^1*Report Publication Date^1 + -0.000000000 * Amateur Built^1*Unnamed: 30^1 + -0.041868276 * Number of Engines^2 + 0.011219914 * Number of Engines^1*Engine Type^1 + 0.001283949 * Number of Engines^1*FAR Description^1 + -0.054282647 * Number of Engines^1*Schedule^1 + -0.001008904 * Number of Engines^1*Purpose of Flight^1 + 0.000024330 * Number of Engines^1*Air Carrier^1 + 0.001131799 * Number of Engines^1*Total Fatal Injuries^1 + 0.001885074 * Number of Engines^1*Total Serious Injuries^1 + -0.002956265 * Number of

Engines^1*Total Minor Injuries^1 + 0.000537511 * Number of Engines^1*Total Uninjured^1 + -0.017403623 * Number of Engines^1*Weather Condition^1 + 0.009539339 * Number of Engines^1*Broad Phase of Flight^1 + 0.000015580 * Number of Engines^1*Report Publication Date^1 + -0.000000000 * Number of Engines^1*Unnamed: 30^1 + -0.002304279 * Engine Type^2 + -0.000142571 * Engine Type^1*FAR Description^1 + -0.001219639 * Engine Type^1*Schedule^1 + -0.000985095 * Engine Type^1*Purpose of Flight^1 + 0.000000767 * Engine Type^1*Air Carrier^1 + -0.000000163 * Engine Type^1*Total Fatal Injuries^1 + -0.000508364 * Engine Type^1*Total Serious Injuries^1 + 0.000815313 * Engine Type^1*Total Minor Injuries^1 + -0.000042247 * Engine Type^1*Total Uninjured^1 + -0.004620428 * Engine Type^1*Weather Condition^1 + -0.000281254 * Engine Type^1*Broad Phase of Flight^1 + 0.000007489 * Engine Type^1*Report Publication Date^1 + -0.000000000 * Engine Type^1*Unnamed: 30^1 + -0.000015360 * FAR Description^2 + -0.001584904 * FAR Description^1*Schedule^1 + 0.000065073 * FAR Description^1*Purpose of Flight^1 + -0.000000609 * FAR Description^1*Air Carrier^1 + -0.000014241 * FAR Description^1*Total Fatal Injuries^1 + -0.000615714 * FAR Description^1*Total Serious Injuries^1 + -0.000147856 * FAR Description^1*Total Minor Injuries^1 + -0.000000672 * FAR Description^1*Total Uninjured^1 + -0.000922250 * FAR Description^1*Weather Condition^1 + -0.000201633 * FAR Description^1*Broad Phase of Flight^1 + -0.000001361 * FAR Description^1*Report Publication Date^1 + -0.000000000 * FAR Description^1*Unnamed: 30^1 + -0.026186487 * Schedule^2 + 0.001757224 * Schedule^1*Purpose of Flight^1 + -0.000231147 * Schedule^1*Air Carrier^1 + 0.000926593 * Schedule^1*Total Fatal Injuries^1 + -0.008628896 * Schedule^1*Total Serious Injuries^1 + -0.000086196 * Schedule^1*Total Minor Injuries^1 + -0.000362262 * Schedule^1*Total Uninjured^1 + 0.001654900 * Schedule^1*Weather Condition^1 + 0.005260069 * Schedule^1*Broad Phase of Flight^1 + -0.000004436 * Schedule^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Unnamed: 30^1 + -0.000740699 * Purpose of Flight^2 + 0.000004394 * Purpose of Flight^1*Air Carrier^1 + 0.000008879 * Purpose of Flight^1*Total Fatal Injuries^1 + 0.000511509 * Purpose of Flight^1*Total Serious Injuries^1 + -0.000030471 * Purpose of Flight^1*Total Minor Injuries^1 + -0.000000027 * Purpose of Flight^1*Total Uninjured^1 + -0.001775133 * Purpose of Flight^1*Weather Condition^1 + -0.000069383 * Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000784 * Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Purpose of Flight^1*Unnamed: 30^1 + -0.000000001 * Air Carrier^2 + 0.000001832 * Air Carrier^1*Total Fatal Injuries^1 + 0.000002098 * Air Carrier^1*Total Serious Injuries^1 + 0.000002112 * Air Carrier^1*Total Minor Injuries^1 + 0.000000331 * Air Carrier^1*Total Uninjured^1 + -0.000024413 * Air Carrier^1*Weather Condition^1 + 0.000008318 * Air Carrier^1*Broad Phase of Flight^1 + 0.000000010 * Air Carrier^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Unnamed: 30^1 + -0.000389623 * Total Fatal Injuries^2 + 0.000309803 * Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000052127 * Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000047539 * Total Fatal Injuries^1*Total Uninjured^1 + -0.001333449 * Total Fatal Injuries^1*Weather Condition^1 + -0.000038444 * Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000118 * Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Unnamed: 30^1 + 0.002947198 * Total Serious Injuries^2 + 0.000355408 * Total Serious Injuries^1*Total Minor Injuries^1 + -0.000137616 * Total Serious Injuries^1*Total Uninjured^1 + -0.001905731 * Total Serious Injuries^1*Weather Condition^1 + -0.000501121 * Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000002244 * Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^1*Unnamed: 30^1 + 0.000049975 * Total Minor Injuries^2 + 0.000005487 * Total Minor Injuries^1*Total Uninjured^1 + 0.001002123 * Total Minor Injuries^1*Weather Condition^1 + -0.000008389 * Total Minor

Injuries^1*Broad Phase of Flight^1 + 0.000000299 * Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Total Minor Injuries^1*Unnamed: 30^1 + -0.000003138 * Total Uninjured^2 + -0.000276118 * Total Uninjured^1*Weather Condition^1 + -0.000039918 * Total Uninjured^1*Broad Phase of Flight^1 + -0.000000172 * Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Total Uninjured^1*Unnamed: 30^1 + 0.060263253 * Weather Condition^2 + -0.004134952 * Weather Condition^1*Broad Phase of Flight^1 + 0.000017973 * Weather Condition^1*Report Publication Date^1 + 0.000000000 * Weather Condition^1*Unnamed: 30^1 + -0.000747771 * Broad Phase of Flight^2 + -0.000000728 * Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000007 * Report Publication Date^2 + 0.000000000 * Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Unnamed: 30^2

Accuracy: 0.8372237131582007

DEGREE-3:

Equation: Aircraft Damage= 0.789863272 + -0.000035627 * Investigation Type + -0.000009567 * Accident Number + 0.000056669 * Event Date + 0.000009329 * Location + 0.002429151 * Country + -0.000237161 * Latitude + 0.000009415 * Longitude + -0.000200139 * Airport Code + 0.000087200 * Airport Name + 0.001150682 * Injury Severity + 0.000003778 * Aircraft Category + 0.000003448 * Registration Number + 0.000073239 * Make + -0.000102223 * Model + 0.000000724 * Amateur Built + 0.000046597 * Number of Engines + -0.000029075 * Engine Type + -0.000505158 * FAR Description + -0.000043288 * Schedule + 0.000101781 * Purpose of Flight + -0.000189383 * Air Carrier + -0.000158031 * Total Fatal Injuries + 0.000039795 * Total Serious Injuries + 0.000059375 * Total Minor Injuries + 0.004539484 * Total Uninjured + 0.000057892 * Weather Condition + 0.000017999 * Broad Phase of Flight + 0.000067825 * Report Publication Date + -0.000000480 * Unnamed: 30 + -0.000000000 * Event Id^2 + 0.000000373 * Event Id^1*Investigation Type^1 + 0.000000000 * Event Id^1*Accident Number^1 + 0.000000000 * Event Id^1*Event Date^1 + 0.000000000 * Event Id^1*Location^1 + 0.000000009 * Event Id^1*Country^1 + 0.000000017 * Event Id^1*Latitude^1 + -0.000000003 * Event Id^1*Longitude^1 + -0.000000004 * Event Id^1*Airport Code^1 + 0.000000002 * Event Id^1*Airport Name^1 + 0.000000048 * Event Id^1*Injury Severity^1 + -0.000002946 * Event Id^1*Aircraft Category^1 + 0.000000000 * Event Id^1*Registration Number^1 + -0.000000000 * Event Id^1*Make^1 + -0.000000000 * Event Id^1*Model^1 + -0.000000468 * Event Id^1*Amateur Built^1 + -0.000002838 * Event Id^1*Number of Engines^1 + 0.000001536 * Event Id^1*Engine Type^1 + 0.000000480 * Event Id^1*FAR Description^1 + 0.000001285 * Event Id^1*Schedule^1 + 0.000000728 * Event Id^1*Purpose of Flight^1 + -0.000000123 * Event Id^1*Air Carrier^1 + -0.000033434 * Event Id^1*Total Fatal Injuries^1 + 0.000039581 * Event Id^1*Total Serious Injuries^1 + 0.000000034 * Event Id^1*Total Minor Injuries^1 + 0.000000025 * Event Id^1*Total Uninjured^1 + 0.000008879 * Event Id^1*Weather Condition^1 + 0.000000913 * Event Id^1*Broad Phase of Flight^1 + -0.000000008 * Event Id^1*Report Publication Date^1 + 0.000003829 * Event Id^1*Unnamed: 30^1 + -0.000171398 * Investigation Type^2 + 0.000015345 * Investigation Type^1*Accident Number^1 + -0.000102060 * Investigation Type^1*Event Date^1 + 0.000005574 * Investigation Type^1*Location^1 + 0.006980329 * Investigation Type^1*Country^1 + -0.000228356 * Investigation Type^1*Latitude^1 + 0.000002902 * Investigation Type^1*Longitude^1 + -0.000198358 * Investigation Type^1*Airport Code^1 + 0.000110067 * Investigation Type^1*Airport Name^1 + -0.000385448 * Investigation Type^1*Injury Severity^1 + -

0.000008123 * Investigation Type^1*Aircraft Category^1 + -0.000009497 * Investigation Type^1*Registration Number^1 + 0.000031640 * Investigation Type^1*Make^1 + 0.000027180 * Investigation Type^1*Model^1 + -0.000017429 * Investigation Type^1*Amateur Built^1 + 0.000000529 * Investigation Type^1*Number of Engines^1 + -0.000021647 * Investigation Type^1*Engine Type^1 + -0.000271581 * Investigation Type^1*FAR Description^1 + -0.000067813 * Investigation Type^1*Schedule^1 + 0.000095865 * Investigation Type^1*Purpose of Flight^1 + -0.000183144 * Investigation Type^1*Air Carrier^1 + -0.000118500 * Investigation Type^1*Total Fatal Injuries^1 + 0.000088818 * Investigation Type^1*Total Serious Injuries^1 + 0.000089346 * Investigation Type^1*Total Minor Injuries^1 + 0.004568392 * Investigation Type^1*Total Uninjured^1 + 0.000087472 * Investigation Type^1*Weather Condition^1 + 0.000029888 * Investigation Type^1*Broad Phase of Flight^1 + 0.000067859 * Investigation Type^1*Report Publication Date^1 + -0.000000129 * Investigation Type^1*Unnamed: 30^1 + 0.000000000 * Accident Number^2 + 0.000000000 * Accident Number^1*Event Date^1 + -0.000000000 * Accident Number^1*Location^1 + -0.000000126 * Accident Number^1*Country^1 + 0.000000003 * Accident Number^1*Latitude^1 + -0.000000003 * Accident Number^1*Longitude^1 + -0.000000001 * Accident Number^1*Airport Code^1 + 0.000000000 * Accident Number^1*Airport Name^1 + 0.000000090 * Accident Number^1*Injury Severity^1 + -0.000001398 * Accident Number^1*Aircraft Category^1 + -0.000000000 * Accident Number^1*Registration Number^1 + 0.000000000 * Accident Number^1*Make^1 + 0.000000000 * Accident Number^1*Model^1 + 0.000004988 * Accident Number^1*Amateur Built^1 + -0.000006645 * Accident Number^1*Number of Engines^1 + 0.000000173 * Accident Number^1*Engine Type^1 + 0.000000277 * Accident Number^1*FAR Description^1 + -0.000001701 * Accident Number^1*Schedule^1 + -0.000000571 * Accident Number^1*Purpose of Flight^1 + 0.000000052 * Accident Number^1*Air Carrier^1 + 0.000003077 * Accident Number^1*Total Fatal Injuries^1 + -0.000002213 * Accident Number^1*Total Serious Injuries^1 + 0.000000168 * Accident Number^1*Total Minor Injuries^1 + 0.000000048 * Accident Number^1*Total Uninjured^1 + -0.000000990 * Accident Number^1*Weather Condition^1 + 0.000000378 * Accident Number^1*Broad Phase of Flight^1 + 0.000000004 * Accident Number^1*Report Publication Date^1 + -0.000000251 * Accident Number^1*Unnamed: 30^1 + 0.000000002 * Event Date^2 + 0.000000000 * Event Date^1*Location^1 + 0.000000204 * Event Date^1*Country^1 + -0.000000020 * Event Date^1*Latitude^1 + 0.000000008 * Event Date^1*Longitude^1 + -0.000000003 * Event Date^1*Airport Code^1 + 0.000000001 * Event Date^1*Airport Name^1 + -0.000000379 * Event Date^1*Injury Severity^1 + -0.000022799 * Event Date^1*Aircraft Category^1 + -0.000000000 * Event Date^1*Registration Number^1 + 0.000000011 * Event Date^1*Make^1 + -0.000000000 * Event Date^1*Model^1 + -0.000080030 * Event Date^1*Amateur Built^1 + -0.000006797 * Event Date^1*Number of Engines^1 + -0.000001835 * Event Date^1*Engine Type^1 + -0.000002848 * Event Date^1*FAR Description^1 + -0.000014795 * Event Date^1*Schedule^1 + 0.000000380 * Event Date^1*Purpose of Flight^1 + -0.000000229 * Event Date^1*Air Carrier^1 + 0.000045079 * Event Date^1*Total Fatal Injuries^1 + -0.000067933 * Event Date^1*Total Serious Injuries^1 + -0.000005231 * Event Date^1*Total Minor Injuries^1 + -0.000000187 * Event Date^1*Total Uninjured^1 + 0.000030494 * Event Date^1*Weather Condition^1 + 0.000002016 * Event Date^1*Broad Phase of Flight^1 + 0.000000012 * Event Date^1*Report Publication Date^1 + -0.000000132 * Event Date^1*Unnamed: 30^1 + -0.000000001 * Location^2 + -0.000000022 * Location^1*Country^1 + -0.000000005 * Location^1*Latitude^1 + 0.000000001 * Location^1*Longitude^1 + -0.000000015 * Location^1*Airport Code^1 + 0.000000002 * Location^1*Airport Name^1 + -0.000000019 * Location^1*Injury Severity^1 + 0.000019847 *

Location^1*Aircraft Category^1 + 0.000000000 * Location^1*Registration Number^1 + 0.000000003 * Location^1*Make^1 + 0.000000001 * Location^1*Model^1 + -0.000003349 * Location^1*Amateur Built^1 + -0.000003162 * Location^1*Number of Engines^1 + 0.000009523 * Location^1*Engine Type^1 + -0.000002402 * Location^1*FAR Description^1 + -0.000011672 * Location^1*Schedule^1 + -0.000000913 * Location^1*Purpose of Flight^1 + 0.000000176 * Location^1*Air Carrier^1 + 0.000048849 * Location^1*Total Fatal Injuries^1 + -0.000034042 * Location^1*Total Serious Injuries^1 + -0.000001107 * Location^1*Total Minor Injuries^1 + -0.000000157 * Location^1*Total Uninjured^1 + 0.000006499 * Location^1*Weather Condition^1 + -0.000001178 * Location^1*Broad Phase of Flight^1 + 0.000000002 * Location^1*Report Publication Date^1 + 0.000000059 * Location^1*Unnamed: 30^1 + -0.000065865 * Country^2 + 0.000000107 * Country^1*Latitude^1 + -0.000002038 * Country^1*Longitude^1 + 0.000002281 * Country^1*Airport Code^1 + -0.000001727 * Country^1*Airport Name^1 + 0.000033555 * Country^1*Injury Severity^1 + 0.000178773 * Country^1*Aircraft Category^1 + 0.000000041 * Country^1*Registration Number^1 + 0.000000511 * Country^1*Make^1 + -0.000000138 * Country^1*Model^1 + 0.002909168 * Country^1*Amateur Built^1 + -0.000772132 * Country^1*Number of Engines^1 + -0.002216303 * Country^1*Engine Type^1 + 0.000433338 * Country^1*FAR Description^1 + -0.001501867 * Country^1*Schedule^1 + -0.000220911 * Country^1*Purpose of Flight^1 + 0.000007190 * Country^1*Air Carrier^1 + -0.000985744 * Country^1*Total Fatal Injuries^1 + -0.001931528 * Country^1*Total Serious Injuries^1 + -0.000081722 * Country^1*Total Minor Injuries^1 + 0.000032404 * Country^1*Total Uninjured^1 + 0.002538246 * Country^1*Weather Condition^1 + 0.001153230 * Country^1*Broad Phase of Flight^1 + 0.000003932 * Country^1*Report Publication Date^1 + 0.000000164 * Country^1*Unnamed: 30^1 + 0.000000000 * Latitude^2 + 0.000000005 * Latitude^1*Longitude^1 + 0.000000044 * Latitude^1*Airport Code^1 + -0.000000057 * Latitude^1*Airport Name^1 + 0.000039813 * Latitude^1*Injury Severity^1 + 0.000146134 * Latitude^1*Aircraft Category^1 + -0.000000000 * Latitude^1*Registration Number^1 + -0.000000055 * Latitude^1*Make^1 + 0.000000035 * Latitude^1*Model^1 + -0.000125229 * Latitude^1*Amateur Built^1 + -0.000029194 * Latitude^1*Number of Engines^1 + 0.000048195 * Latitude^1*Engine Type^1 + -0.000005833 * Latitude^1*FAR Description^1 + -0.000138468 * Latitude^1*Schedule^1 + 0.000009583 * Latitude^1*Purpose of Flight^1 + 0.000000549 * Latitude^1*Air Carrier^1 + -0.000123179 * Latitude^1*Total Fatal Injuries^1 + 0.000519274 * Latitude^1*Total Serious Injuries^1 + -0.000021153 * Latitude^1*Total Minor Injuries^1 + 0.000001430 * Latitude^1*Total Uninjured^1 + -0.000071663 * Latitude^1*Weather Condition^1 + 0.000009144 * Latitude^1*Broad Phase of Flight^1 + 0.000000048 * Latitude^1*Report Publication Date^1 + -0.000000025 * Latitude^1*Unnamed: 30^1 + 0.000000002 * Longitude^2 + -0.000000057 * Longitude^1*Airport Code^1 + -0.000000009 * Longitude^1*Airport Name^1 + -0.000027369 * Longitude^1*Injury Severity^1 + 0.000158625 * Longitude^1*Aircraft Category^1 + -0.000000002 * Longitude^1*Registration Number^1 + 0.000000067 * Longitude^1*Make^1 + 0.000000015 * Longitude^1*Model^1 + 0.000257049 * Longitude^1*Amateur Built^1 + -0.000006585 * Longitude^1*Number of Engines^1 + 0.000099350 * Longitude^1*Engine Type^1 + 0.000002019 * Longitude^1*FAR Description^1 + 0.000162676 * Longitude^1*Schedule^1 + 0.000003897 * Longitude^1*Purpose of Flight^1 + 0.000000316 * Longitude^1*Air Carrier^1 + -0.000030046 * Longitude^1*Total Fatal Injuries^1 + -0.000156789 * Longitude^1*Total Serious Injuries^1 + 0.000015361 * Longitude^1*Total Minor Injuries^1 + -0.000001320 * Longitude^1*Total Uninjured^1 + -0.000001175 * Longitude^1*Weather Condition^1 + 0.000009693 * Longitude^1*Broad Phase of Flight^1 + -0.000000080 * Longitude^1*Report Publication Date^1 + 0.000000030 *

Longitude^1*Unnamed: 30^1 + 0.000000076 * Airport Code^2 + -0.000000001 * Airport Code^1*Airport Name^1 + -0.000013955 * Airport Code^1*Injury Severity^1 + 0.000018492 * Airport Code^1*Aircraft Category^1 + 0.000000001 * Airport Code^1*Registration Number^1 + 0.000000039 * Airport Code^1*Make^1 + -0.000000014 * Airport Code^1*Model^1 + 0.001102827 * Airport Code^1*Amateur Built^1 + -0.000019646 * Airport Code^1*Number of Engines^1 + -0.000000377 * Airport Code^1*Engine Type^1 + 0.000033787 * Airport Code^1*FAR Description^1 + -0.000058576 * Airport Code^1*Schedule^1 + 0.000021038 * Airport Code^1*Purpose of Flight^1 + 0.000000045 * Airport Code^1*Air Carrier^1 + 0.000178434 * Airport Code^1*Total Fatal Injuries^1 + -0.000184591 * Airport Code^1*Total Serious Injuries^1 + 0.000003770 * Airport Code^1*Total Minor Injuries^1 + -0.000000359 * Airport Code^1*Total Uninjured^1 + 0.000137878 * Airport Code^1*Weather Condition^1 + -0.000003793 * Airport Code^1*Broad Phase of Flight^1 + -0.000000009 * Airport Code^1*Report Publication Date^1 + 0.000000022 * Airport Code^1*Unnamed: 30^1 + -0.000000009 * Airport Name^2 + 0.000001034 * Airport Name^1*Injury Severity^1 + -0.000004832 * Airport Name^1*Aircraft Category^1 + 0.000000000 * Airport Name^1*Registration Number^1 + -0.000000047 * Airport Name^1*Make^1 + 0.000000016 * Airport Name^1*Model^1 + -0.000473280 * Airport Name^1*Amateur Built^1 + 0.000026405 * Airport Name^1*Number of Engines^1 + -0.000023249 * Airport Name^1*Engine Type^1 + -0.000003748 * Airport Name^1*FAR Description^1 + 0.000005430 * Airport Name^1*Schedule^1 + -0.000009012 * Airport Name^1*Purpose of Flight^1 + -0.000000296 * Airport Name^1*Air Carrier^1 + -0.000203601 * Airport Name^1*Total Fatal Injuries^1 + 0.000170985 * Airport Name^1*Total Serious Injuries^1 + -0.000003154 * Airport Name^1*Total Minor Injuries^1 + -0.000000190 * Airport Name^1*Total Uninjured^1 + -0.000016566 * Airport Name^1*Weather Condition^1 + 0.000009976 * Airport Name^1*Broad Phase of Flight^1 + 0.000000022 * Airport Name^1*Report Publication Date^1 + 0.000000017 * Airport Name^1*Unnamed: 30^1 + -0.000028435 * Injury Severity^2 + -0.000346099 * Injury Severity^1*Aircraft Category^1 + 0.000000006 * Injury Severity^1*Registration Number^1 + 0.000000382 * Injury Severity^1*Make^1 + -0.000000321 * Injury Severity^1*Model^1 + 0.001629085 * Injury Severity^1*Amateur Built^1 + 0.003208631 * Injury Severity^1*Number of Engines^1 + 0.000544159 * Injury Severity^1*Engine Type^1 + -0.000033782 * Injury Severity^1*FAR Description^1 + 0.001118492 * Injury Severity^1*Schedule^1 + 0.002502275 * Injury Severity^1*Purpose of Flight^1 + -0.000024821 * Injury Severity^1*Air Carrier^1 + -0.003777073 * Injury Severity^1*Total Fatal Injuries^1 + -0.001251401 * Injury Severity^1*Total Serious Injuries^1 + -0.000207561 * Injury Severity^1*Total Minor Injuries^1 + 0.000642418 * Injury Severity^1*Total Uninjured^1 + -0.001044593 * Injury Severity^1*Weather Condition^1 + -0.000517256 * Injury Severity^1*Broad Phase of Flight^1 + 0.000093328 * Injury Severity^1*Report Publication Date^1 + 0.000000027 * Injury Severity^1*Unnamed: 30^1 + -0.000067268 * Aircraft Category^2 + 0.000000184 * Aircraft Category^1*Registration Number^1 + 0.000063491 * Aircraft Category^1*Make^1 + 0.000048436 * Aircraft Category^1*Model^1 + -0.000000518 * Aircraft Category^1*Amateur Built^1 + -0.000012771 * Aircraft Category^1*Number of Engines^1 + -0.000014071 * Aircraft Category^1*Engine Type^1 + -0.000221920 * Aircraft Category^1*FAR Description^1 + -0.000097693 * Aircraft Category^1*Schedule^1 + 0.000201375 * Aircraft Category^1*Purpose of Flight^1 + 0.002160208 * Aircraft Category^1*Air Carrier^1 + -0.000393442 * Aircraft Category^1*Total Fatal Injuries^1 + 0.000127738 * Aircraft Category^1*Total Serious Injuries^1 + -0.000573799 * Aircraft Category^1*Total Minor Injuries^1 + 0.001972715 * Aircraft Category^1*Total Uninjured^1 + -0.000083127 * Aircraft Category^1*Weather Condition^1 + -0.000345343 * Aircraft Category^1*Broad Phase of Flight^1 + -0.000105375 * Aircraft Category^1*Report Publication Date^1 + 0.000000004 * Aircraft

Category^1*Unnamed: 30^1 + -0.000000000 * Registration Number^2 + 0.000000001 * Registration Number^1*Make^1 + -0.000000000 * Registration Number^1*Model^1 + 0.000003548 * Registration Number^1*Amateur Built^1 + 0.000000957 * Registration Number^1*Number of Engines^1 + 0.000001762 * Registration Number^1*Engine Type^1 + 0.000000597 * Registration Number^1*FAR Description^1 + 0.000001401 * Registration Number^1*Schedule^1 + 0.000000144 * Registration Number^1*Purpose of Flight^1 + 0.000000075 * Registration Number^1*Air Carrier^1 + 0.000011309 * Registration Number^1*Total Fatal Injuries^1 + -0.000017342 * Registration Number^1*Total Serious Injuries^1 + 0.000000131 * Registration Number^1*Total Minor Injuries^1 + -0.000000001 * Registration Number^1*Total Uninjured^1 + -0.000003134 * Registration Number^1*Weather Condition^1 + 0.000000536 * Registration Number^1*Broad Phase of Flight^1 + 0.000000002 * Registration Number^1*Report Publication Date^1 + 0.000000004 * Registration Number^1*Unnamed: 30^1 + -0.000000020 * Make^2 + -0.000000019 * Make^1*Model^1 + -0.000027974 * Make^1*Amateur Built^1 + -0.000179178 * Make^1*Number of Engines^1 + 0.000019794 * Make^1*Engine Type^1 + -0.000008780 * Make^1*FAR Description^1 + 0.000016439 * Make^1*Schedule^1 + 0.000007978 * Make^1*Purpose of Flight^1 + -0.000001306 * Make^1*Air Carrier^1 + -0.000111361 * Make^1*Total Fatal Injuries^1 + 0.000093905 * Make^1*Total Serious Injuries^1 + -0.000015562 * Make^1*Total Minor Injuries^1 + -0.000001571 * Make^1*Total Uninjured^1 + -0.000026047 * Make^1*Weather Condition^1 + 0.000011635 * Make^1*Broad Phase of Flight^1 + -0.000000021 * Make^1*Report Publication Date^1 + -0.000000002 * Make^1*Unnamed: 30^1 + 0.000000003 * Model^2 + 0.000058921 * Model^1*Amateur Built^1 + 0.000099840 * Model^1*Number of Engines^1 + 0.000000034 * Model^1*Engine Type^1 + 0.000000703 * Model^1*FAR Description^1 + 0.000020596 * Model^1*Schedule^1 + -0.000002356 * Model^1*Purpose of Flight^1 + 0.000000115 * Model^1*Air Carrier^1 + 0.000165973 * Model^1*Total Fatal Injuries^1 + -0.000108350 * Model^1*Total Serious Injuries^1 + 0.000002767 * Model^1*Total Minor Injuries^1 + 0.000000361 * Model^1*Total Uninjured^1 + -0.000057548 * Model^1*Weather Condition^1 + -0.000002678 * Model^1*Broad Phase of Flight^1 + -0.000000022 * Model^1*Report Publication Date^1 + -0.000000005 * Model^1*Unnamed: 30^1 + -0.000013253 * Amateur Built^2 + -0.000017709 * Amateur Built^1*Number of Engines^1 + 0.000087760 * Amateur Built^1*Engine Type^1 + -0.000005733 * Amateur Built^1*FAR Description^1 + -0.000066977 * Amateur Built^1*Schedule^1 + -0.000374248 * Amateur Built^1*Purpose of Flight^1 + -0.000184013 * Amateur Built^1*Air Carrier^1 + 0.000465873 * Amateur Built^1*Total Fatal Injuries^1 + -0.000128367 * Amateur Built^1*Total Serious Injuries^1 + -0.000034834 * Amateur Built^1*Total Minor Injuries^1 + 0.004526049 * Amateur Built^1*Total Uninjured^1 + -0.000002333 * Amateur Built^1*Weather Condition^1 + -0.000089960 * Amateur Built^1*Broad Phase of Flight^1 + 0.000404570 * Amateur Built^1*Report Publication Date^1 + -0.000000003 * Amateur Built^1*Unnamed: 30^1 + 0.000182670 * Number of Engines^2 + 0.000635735 * Number of Engines^1*Engine Type^1 + -0.000621590 * Number of Engines^1*FAR Description^1 + -0.000027634 * Number of Engines^1*Schedule^1 + -0.001264587 * Number of Engines^1*Purpose of Flight^1 + -0.000203534 * Number of Engines^1*Air Carrier^1 + 0.003035770 * Number of Engines^1*Total Fatal Injuries^1 + -0.000357833 * Number of Engines^1*Total Serious Injuries^1 + -0.001052874 * Number of Engines^1*Total Minor Injuries^1 + -0.002328361 * Number of Engines^1*Total Uninjured^1 + -0.000003695 * Number of Engines^1*Weather Condition^1 + -0.000386729 * Number of Engines^1*Broad Phase of Flight^1 + -0.000206567 * Number of Engines^1*Report Publication Date^1 + 0.000000001 * Number of Engines^1*Unnamed: 30^1 + -0.000453298 * Engine Type^2 + -0.000171526 * Engine Type^1*FAR Description^1 + 0.000223411 *

Engine Type^1*Schedule^1 + -0.003085845 * Engine Type^1*Purpose of Flight^1 + -0.000160642 * Engine Type^1*Air Carrier^1 + -0.000164416 * Engine Type^1*Total Fatal Injuries^1 + -0.000943827 * Engine Type^1*Total Serious Injuries^1 + -0.002058370 * Engine Type^1*Total Minor Injuries^1 + -0.000415416 * Engine Type^1*Total Uninjured^1 + 0.000112907 * Engine Type^1*Weather Condition^1 + -0.000840673 * Engine Type^1*Broad Phase of Flight^1 + -0.000058904 * Engine Type^1*Report Publication Date^1 + 0.000000003 * Engine Type^1*Unnamed: 30^1 + -0.003292849 * FAR Description^2 + -0.000952432 * FAR Description^1*Schedule^1 + -0.004122057 * FAR Description^1*Purpose of Flight^1 + -0.000012521 * FAR Description^1*Air Carrier^1 + 0.000229923 * FAR Description^1*Total Fatal Injuries^1 + -0.000634272 * FAR Description^1*Total Serious Injuries^1 + -0.002534857 * FAR Description^1*Total Minor Injuries^1 + -0.000353446 * FAR Description^1*Total Uninjured^1 + -0.000874957 * FAR Description^1*Weather Condition^1 + -0.001652900 * FAR Description^1*Broad Phase of Flight^1 + 0.000045381 * FAR Description^1*Report Publication Date^1 + -0.000000001 * FAR Description^1*Unnamed: 30^1 + -0.000099373 * Schedule^2 + -0.001751792 * Schedule^1*Purpose of Flight^1 + 0.001323696 * Schedule^1*Air Carrier^1 + 0.001062076 * Schedule^1*Total Fatal Injuries^1 + -0.001182766 * Schedule^1*Total Serious Injuries^1 + -0.000262590 * Schedule^1*Total Minor Injuries^1 + 0.000387729 * Schedule^1*Total Uninjured^1 + 0.000067520 * Schedule^1*Weather Condition^1 + 0.000010444 * Schedule^1*Broad Phase of Flight^1 + -0.000082977 * Schedule^1*Report Publication Date^1 + 0.000000004 * Schedule^1*Unnamed: 30^1 + 0.007322654 * Purpose of Flight^2 + -0.000108614 * Purpose of Flight^1*Air Carrier^1 + -0.002131258 * Purpose of Flight^1*Total Fatal Injuries^1 + -0.000592123 * Purpose of Flight^1*Total Serious Injuries^1 + 0.000081611 * Purpose of Flight^1*Total Minor Injuries^1 + 0.000064902 * Purpose of Flight^1*Total Uninjured^1 + -0.001556320 * Purpose of Flight^1*Weather Condition^1 + -0.000413343 * Purpose of Flight^1*Broad Phase of Flight^1 + 0.000015674 * Purpose of Flight^1*Report Publication Date^1 + 0.000000005 * Purpose of Flight^1*Unnamed: 30^1 + -0.000000513 * Air Carrier^2 + -0.000083152 * Air Carrier^1*Total Fatal Injuries^1 + 0.000270818 * Air Carrier^1*Total Serious Injuries^1 + 0.000034393 * Air Carrier^1*Total Minor Injuries^1 + -0.000008386 * Air Carrier^1*Total Uninjured^1 + -0.000230670 * Air Carrier^1*Weather Condition^1 + -0.000012573 * Air Carrier^1*Broad Phase of Flight^1 + -0.000001356 * Air Carrier^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Unnamed: 30^1 + 0.002575604 * Total Fatal Injuries^2 + -0.002495067 * Total Fatal Injuries^1*Total Serious Injuries^1 + -0.001981632 * Total Fatal Injuries^1*Total Minor Injuries^1 + 0.001030869 * Total Fatal Injuries^1*Total Uninjured^1 + -0.001219870 * Total Fatal Injuries^1*Weather Condition^1 + -0.000930340 * Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000308355 * Total Fatal Injuries^1*Report Publication Date^1 + -0.000000004 * Total Fatal Injuries^1*Unnamed: 30^1 + 0.008965719 * Total Serious Injuries^2 + 0.001587338 * Total Serious Injuries^1*Total Minor Injuries^1 + -0.001121009 * Total Serious Injuries^1*Total Uninjured^1 + 0.000440189 * Total Serious Injuries^1*Weather Condition^1 + -0.003521167 * Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000351127 * Total Serious Injuries^1*Report Publication Date^1 + 0.000000001 * Total Serious Injuries^1*Unnamed: 30^1 + 0.003329867 * Total Minor Injuries^2 + -0.000350132 * Total Minor Injuries^1*Total Uninjured^1 + 0.000563238 * Total Minor Injuries^1*Weather Condition^1 + 0.001954640 * Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000043541 * Total Minor Injuries^1*Report Publication Date^1 + 0.000000001 * Total Minor Injuries^1*Unnamed: 30^1 + -0.000009740 * Total Uninjured^2 + -0.001854345 * Total Uninjured^1*Weather Condition^1 + -0.000055219 * Total Uninjured^1*Broad Phase of Flight^1 + 0.000001564 * Total Uninjured^1*Report Publication Date^1 + 0.000000001 * Total Uninjured^1*Unnamed: 30^1 + 0.000177650 * Weather

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Id^1*Longitude^1*Weather Condition^1 + -0.000000000 * Event Id^1*Longitude^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Longitude^1*Report Publication Date^1 + 0.000000001 * Event Id^1*Longitude^1*Unnamed: 30^1 + -0.000000000 * Event Id^1*Airport Code^2 + -0.000000000 * Event Id^1*Airport Code^1*Airport Name^1 + -0.000000000 * Event Id^1*Airport Code^1*Injury Severity^1 + 0.000000001 * Event Id^1*Airport Code^1*Aircraft Category^1 + 0.000000000 * Event Id^1*Airport Code^1*Registration Number^1 + -0.000000000 * Event Id^1*Airport Code^1*Make^1 + -0.000000000 * Event Id^1*Airport Code^1*Model^1 + -0.000000000 * Event Id^1*Airport Code^1*Amateur Built^1 + 0.000000001 * Event Id^1*Airport Code^1*Number of Engines^1 + -0.000000000 * Event Id^1*Airport Code^1*Engine Type^1 + -0.000000000 * Event Id^1*Airport Code^1*FAR Description^1 + -0.000000000 * Event Id^1*Airport Code^1*Schedule^1 + -0.000000000 * Event Id^1*Airport Code^1*Purpose of Flight^1 + 0.000000000 * Event Id^1*Airport Code^1*Air Carrier^1 + -0.000000000 * Event Id^1*Airport Code^1*Total Fatal Injuries^1 + -0.000000000 * Event Id^1*Airport Code^1*Total Serious Injuries^1 + -0.000000000 * Event Id^1*Airport Code^1*Total Minor Injuries^1 + 0.000000000 * Event Id^1*Airport Code^1*Total Uninjured^1 + -0.000000000 * Event Id^1*Airport Code^1*Weather Condition^1 + 0.000000000 * Event Id^1*Airport Code^1*Broad Phase of Flight^1 + -0.000000000 * Event Id^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Airport Code^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Airport Name^2 + 0.000000000 * Event Id^1*Airport Name^1*Injury Severity^1 + 0.000000000 * Event Id^1*Airport Name^1*Aircraft Category^1 + -0.000000000 * Event Id^1*Airport Name^1*Registration Number^1 + 0.000000000 * Event Id^1*Airport Name^1*Make^1 + 0.000000000 * Event Id^1*Airport Name^1*Model^1 + 0.000000000 * Event Id^1*Airport Name^1*Amateur Built^1 + -0.000000000 * Event Id^1*Airport Name^1*Number of Engines^1 + -0.000000000 * Event Id^1*Airport Name^1*Engine Type^1 + -0.000000000 * Event Id^1*Airport Name^1*FAR Description^1 + 0.000000000 * Event Id^1*Airport Name^1*Schedule^1 + 0.000000000 * Event Id^1*Airport Name^1*Purpose of Flight^1 + -0.000000000 * Event Id^1*Airport Name^1*Air Carrier^1 + 0.000000000 * Event Id^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000000 * Event Id^1*Airport Name^1*Total Serious Injuries^1 + -0.000000000 * Event Id^1*Airport Name^1*Total Minor Injuries^1 + -0.000000000 * Event Id^1*Airport Name^1*Total Uninjured^1 + 0.000000000 * Event Id^1*Airport Name^1*Weather Condition^1 + -0.000000000 * Event Id^1*Airport Name^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Airport Name^1*Report Publication Date^1 + -0.000000000 * Event Id^1*Airport Name^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Injury Severity^2 + 0.000000101 * Event Id^1*Injury Severity^1*Aircraft Category^1 + -0.000000000 * Event Id^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Event Id^1*Injury Severity^1*Make^1 + 0.000000000 * Event Id^1*Injury Severity^1*Model^1 + -0.000000011 * Event Id^1*Injury Severity^1*Amateur Built^1 + 0.000000052 * Event Id^1*Injury Severity^1*Number of Engines^1 + -0.000000001 * Event Id^1*Injury Severity^1*Engine Type^1 + -0.000000002 * Event Id^1*Injury Severity^1*FAR Description^1 + 0.000000022 * Event Id^1*Injury Severity^1*Schedule^1 + 0.000000001 * Event Id^1*Injury Severity^1*Purpose of Flight^1 + -0.000000000 * Event Id^1*Injury Severity^1*Air Carrier^1 + 0.000000004 * Event Id^1*Injury Severity^1*Total Fatal Injuries^1 + -0.000000004 * Event Id^1*Injury Severity^1*Total Serious Injuries^1 + -0.000000004 * Event Id^1*Injury Severity^1*Total Minor Injuries^1 + -0.000000000 * Event Id^1*Injury Severity^1*Total Uninjured^1 + -0.000000022 * Event Id^1*Injury Severity^1*Weather Condition^1 + -0.000000003 * Event Id^1*Injury Severity^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Injury Severity^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Injury Severity^1*Unnamed: 30^1 +

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Id^1*Schedule^1*Broad Phase of Flight^1 + -0.000000001 * Event Id^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Event Id^1*Schedule^1*Unnamed: 30^1 + -0.000000028 * Event Id^1*Purpose of Flight^2 + 0.000000001 * Event Id^1*Purpose of Flight^1*Air Carrier^1 + 0.000000002 * Event Id^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000048 * Event Id^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000007 * Event Id^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000000 * Event Id^1*Purpose of Flight^1*Total Uninjured^1 + 0.000000223 * Event Id^1*Purpose of Flight^1*Weather Condition^1 + -0.000000030 * Event Id^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Air Carrier^2 + 0.000000000 * Event Id^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000000 * Event Id^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000000 * Event Id^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Event Id^1*Air Carrier^1*Total Uninjured^1 + -0.000000003 * Event Id^1*Air Carrier^1*Weather Condition^1 + 0.000000000 * Event Id^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Event Id^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Air Carrier^1*Unnamed: 30^1 + -0.000000006 * Event Id^1*Total Fatal Injuries^2 + 0.000000001 * Event Id^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000012 * Event Id^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000001 * Event Id^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.000000029 * Event Id^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000006 * Event Id^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Event Id^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Event Id^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000073 * Event Id^1*Total Serious Injuries^2 + -0.000000002 * Event Id^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000008 * Event Id^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000000104 * Event Id^1*Total Serious Injuries^1*Weather Condition^1 + 0.000000018 * Event Id^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000000004 * Event Id^1*Total Minor Injuries^2 + 0.000000002 * Event Id^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000129 * Event Id^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000003 * Event Id^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Event Id^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Event Id^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Total Uninjured^2 + 0.000000011 * Event Id^1*Total Uninjured^1*Weather Condition^1 + 0.000000001 * Event Id^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Event Id^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Total Uninjured^1*Unnamed: 30^1 + -0.000001083 * Event Id^1*Weather Condition^2 + 0.000000146 * Event Id^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000001 * Event Id^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Event Id^1*Weather Condition^1*Unnamed: 30^1 + 0.000000026 * Event Id^1*Broad Phase of Flight^2 + 0.000000000 * Event Id^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Event Id^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Report Publication Date^2 + 0.000000000 * Event Id^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Event Id^1*Unnamed: 30^2 + -0.000543948 * Investigation Type^3 + 0.000001162 * Investigation Type^2*Accident Number^1 + 0.000042157 * Investigation Type^2*Event Date^1 + -0.000010600 * Investigation Type^2*Location^1 + 0.000650371 * Investigation Type^2*Country^1 + -0.000228629 * Investigation Type^2*Latitude^1 + 0.000006996 * Investigation Type^2*Longitude^1 + -0.000197592 * Investigation Type^2*Airport Code^1 + 0.000108000 * Investigation Type^2*Airport Name^1 + -

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* Investigation Type^1*Country^1*Weather Condition^1 + 0.000082495 * Investigation Type^1*Country^1*Broad Phase of Flight^1 + -0.000001606 * Investigation Type^1*Country^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Country^1*Unnamed: 30^1 + -0.000000016 * Investigation Type^1*Latitude^2 + 0.000000017 * Investigation Type^1*Latitude^1*Longitude^1 + 0.000000002 * Investigation Type^1*Latitude^1*Airport Code^1 + 0.000000004 * Investigation Type^1*Latitude^1*Airport Name^1 + 0.000006644 * Investigation Type^1*Latitude^1*Injury Severity^1 + -0.000120952 * Investigation Type^1*Latitude^1*Aircraft Category^1 + 0.000000000 * Investigation Type^1*Latitude^1*Registration Number^1 + 0.000000029 * Investigation Type^1*Latitude^1*Make^1 + -0.000000017 * Investigation Type^1*Latitude^1*Model^1 + 0.000192499 * Investigation Type^1*Latitude^1*Amateur Built^1 + -0.000003901 * Investigation Type^1*Latitude^1*Number of Engines^1 + -0.000024858 * Investigation Type^1*Latitude^1*Engine Type^1 + 0.000004699 * Investigation Type^1*Latitude^1*FAR Description^1 + 0.000006211 * Investigation Type^1*Latitude^1*Schedule^1 + -0.000004229 * Investigation Type^1*Latitude^1*Purpose of Flight^1 + -0.000000015 * Investigation Type^1*Latitude^1*Air Carrier^1 + 0.000078995 * Investigation Type^1*Latitude^1*Total Fatal Injuries^1 + -0.000527264 * Investigation Type^1*Latitude^1*Total Serious Injuries^1 + 0.000016284 * Investigation Type^1*Latitude^1*Total Minor Injuries^1 + -0.000000250 * Investigation Type^1*Latitude^1*Total Uninjured^1 + 0.000025299 * Investigation Type^1*Latitude^1*Weather Condition^1 + 0.000004692 * Investigation Type^1*Latitude^1*Broad Phase of Flight^1 + -0.000000070 * Investigation Type^1*Latitude^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Latitude^1*Unnamed: 30^1 + -0.000000000 * Investigation Type^1*Longitude^2 + 0.000000014 * Investigation Type^1*Longitude^1*Airport Code^1 + 0.000000001 * Investigation Type^1*Longitude^1*Airport Name^1 + 0.000001576 * Investigation Type^1*Longitude^1*Injury Severity^1 + -0.000034155 * Investigation Type^1*Longitude^1*Aircraft Category^1 + 0.000000001 * Investigation Type^1*Longitude^1*Registration Number^1 + -0.000000008 * Investigation Type^1*Longitude^1*Make^1 + -0.000000003 * Investigation Type^1*Longitude^1*Model^1 + -0.000047128 * Investigation Type^1*Longitude^1*Amateur Built^1 + -0.000016035 * Investigation Type^1*Longitude^1*Number of Engines^1 + -0.000002295 * Investigation Type^1*Longitude^1*Engine Type^1 + 0.000002420 * Investigation Type^1*Longitude^1*FAR Description^1 + 0.000024756 * Investigation Type^1*Longitude^1*Schedule^1 + 0.000002958 * Investigation Type^1*Longitude^1*Purpose of Flight^1 + -0.000000010 * Investigation Type^1*Longitude^1*Air Carrier^1 + 0.000057040 * Investigation Type^1*Longitude^1*Total Fatal Injuries^1 + 0.000182618 * Investigation Type^1*Longitude^1*Total Serious Injuries^1 + -0.000006387 * Investigation Type^1*Longitude^1*Total Minor Injuries^1 + 0.000000316 * Investigation Type^1*Longitude^1*Total Uninjured^1 + -0.000073060 * Investigation Type^1*Longitude^1*Weather Condition^1 + -0.000004971 * Investigation Type^1*Longitude^1*Broad Phase of Flight^1 + 0.000000038 * Investigation Type^1*Longitude^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Longitude^1*Unnamed: 30^1 + -0.000000012 * Investigation Type^1*Airport Code^2 + 0.000000000 * Investigation Type^1*Airport Code^1*Airport Name^1 + 0.000013161 * Investigation Type^1*Airport Code^1*Injury Severity^1 + -0.000006166 * Investigation Type^1*Airport Code^1*Aircraft Category^1 + -0.000000001 * Investigation Type^1*Airport Code^1*Registration Number^1 + 0.000000001 * Investigation Type^1*Airport Code^1*Make^1 + 0.000000004 * Investigation Type^1*Airport Code^1*Model^1 + -0.000578068 * Investigation Type^1*Airport Code^1*Amateur Built^1 + 0.000002948 * Investigation Type^1*Airport Code^1*Number of Engines^1

+ 0.000003576 * Investigation Type^1*Airport Code^1*Engine Type^1 + 0.000000153 * Investigation Type^1*Airport Code^1*FAR Description^1 + 0.000025493 * Investigation Type^1*Airport Code^1*Schedule^1 + -0.000004395 * Investigation Type^1*Airport Code^1*Purpose of Flight^1 + -0.000000052 * Investigation Type^1*Airport Code^1*Air Carrier^1 + -0.000177500 * Investigation Type^1*Airport Code^1*Total Fatal Injuries^1 + 0.000166661 * Investigation Type^1*Airport Code^1*Total Serious Injuries^1 + 0.000000165 * Investigation Type^1*Airport Code^1*Total Minor Injuries^1 + -0.000000044 * Investigation Type^1*Airport Code^1*Total Uninjured^1 + -0.000027415 * Investigation Type^1*Airport Code^1*Weather Condition^1 + 0.000001633 * Investigation Type^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000014 * Investigation Type^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Airport Code^1*Unnamed: 30^1 + 0.000000001 * Investigation Type^1*Airport Name^2 + -0.000004973 * Investigation Type^1*Airport Name^1*Injury Severity^1 + 0.000049172 * Investigation Type^1*Airport Name^1*Aircraft Category^1 + -0.000000000 * Investigation Type^1*Airport Name^1*Registration Number^1 + 0.000000002 * Investigation Type^1*Airport Name^1*Make^1 + -0.000000004 * Investigation Type^1*Airport Name^1*Model^1 + 0.000177270 * Investigation Type^1*Airport Name^1*Amateur Built^1 + -0.000007930 * Investigation Type^1*Airport Name^1*Number of Engines^1 + 0.000002492 * Investigation Type^1*Airport Name^1*Engine Type^1 + -0.000003946 * Investigation Type^1*Airport Name^1*FAR Description^1 + -0.000034075 * Investigation Type^1*Airport Name^1*Schedule^1 + 0.000002206 * Investigation Type^1*Airport Name^1*Purpose of Flight^1 + -0.000000001 * Investigation Type^1*Airport Name^1*Air Carrier^1 + 0.000208210 * Investigation Type^1*Airport Name^1*Total Fatal Injuries^1 + -0.000164467 * Investigation Type^1*Airport Name^1*Total Serious Injuries^1 + -0.000000269 * Investigation Type^1*Airport Name^1*Total Minor Injuries^1 + -0.000000016 * Investigation Type^1*Airport Name^1*Total Uninjured^1 + 0.000002648 * Investigation Type^1*Airport Name^1*Weather Condition^1 + 0.000000122 * Investigation Type^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000012 * Investigation Type^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Airport Name^1*Unnamed: 30^1 + 0.000330754 * Investigation Type^1*Injury Severity^2 + 0.000070430 * Investigation Type^1*Injury Severity^1*Aircraft Category^1 + -0.000000014 * Investigation Type^1*Injury Severity^1*Registration Number^1 + 0.000001468 * Investigation Type^1*Injury Severity^1*Make^1 + -0.000000069 * Investigation Type^1*Injury Severity^1*Model^1 + -0.003603286 * Investigation Type^1*Injury Severity^1*Amateur Built^1 + -0.003613384 * Investigation Type^1*Injury Severity^1*Number of Engines^1 + -0.000026389 * Investigation Type^1*Injury Severity^1*Engine Type^1 + 0.000108724 * Investigation Type^1*Injury Severity^1*FAR Description^1 + -0.002106167 * Investigation Type^1*Injury Severity^1*Schedule^1 + 0.001352708 * Investigation Type^1*Injury Severity^1*Purpose of Flight^1 + 0.000007610 * Investigation Type^1*Injury Severity^1*Air Carrier^1 + -0.001572981 * Investigation Type^1*Injury Severity^1*Total Fatal Injuries^1 + 0.001652428 * Investigation Type^1*Injury Severity^1*Total Serious Injuries^1 + 0.000500160 * Investigation Type^1*Injury Severity^1*Total Minor Injuries^1 + -0.000094731 * Investigation Type^1*Injury Severity^1*Total Uninjured^1 + 0.002564102 * Investigation Type^1*Injury Severity^1*Weather Condition^1 + 0.000512998 * Investigation Type^1*Injury Severity^1*Broad Phase of Flight^1 + -0.000001072 * Investigation Type^1*Injury Severity^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Injury Severity^1*Unnamed: 30^1 + -0.000139050 * Investigation Type^1*Aircraft Category^2 + 0.000000512 * Investigation Type^1*Aircraft Category^1*Registration Number^1 + -0.000044297 * Investigation Type^1*Aircraft Category^1*Make^1 + -0.000004749 *

Investigation Type^1*Aircraft Category^1*Model^1 + 0.000055486 * Investigation Type^1*Aircraft Category^1*Amateur Built^1 + 0.000120644 * Investigation Type^1*Aircraft Category^1*Number of Engines^1 + 0.000479307 * Investigation Type^1*Aircraft Category^1*Engine Type^1 + -0.000355389 * Investigation Type^1*Aircraft Category^1*FAR Description^1 + -0.000063971 * Investigation Type^1*Aircraft Category^1*Schedule^1 + 0.000800995 * Investigation Type^1*Aircraft Category^1*Purpose of Flight^1 + 0.000036382 * Investigation Type^1*Aircraft Category^1*Air Carrier^1 + -0.000397177 * Investigation Type^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000126928 * Investigation Type^1*Aircraft Category^1*Total Serious Injuries^1 + 0.000041699 * Investigation Type^1*Aircraft Category^1*Total Minor Injuries^1 + -0.000428024 * Investigation Type^1*Aircraft Category^1*Total Uninjured^1 + -0.000104547 * Investigation Type^1*Aircraft Category^1*Weather Condition^1 + -0.000311112 * Investigation Type^1*Aircraft Category^1*Broad Phase of Flight^1 + -0.000131551 * Investigation Type^1*Aircraft Category^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Investigation Type^1*Registration Number^2 + -0.000000000 * Investigation Type^1*Registration Number^1*Make^1 + -0.000000000 * Investigation Type^1*Registration Number^1*Model^1 + 0.000000172 * Investigation Type^1*Registration Number^1*Amateur Built^1 + 0.000002163 * Investigation Type^1*Registration Number^1*Number of Engines^1 + -0.000000731 * Investigation Type^1*Registration Number^1*Engine Type^1 + -0.000000205 * Investigation Type^1*Registration Number^1*FAR Description^1 + 0.000000246 * Investigation Type^1*Registration Number^1*Schedule^1 + 0.000000146 * Investigation Type^1*Registration Number^1*Purpose of Flight^1 + -0.000000002 * Investigation Type^1*Registration Number^1*Air Carrier^1 + -0.000011304 * Investigation Type^1*Registration Number^1*Total Fatal Injuries^1 + 0.000017614 * Investigation Type^1*Registration Number^1*Total Serious Injuries^1 + -0.000000302 * Investigation Type^1*Registration Number^1*Total Minor Injuries^1 + -0.000000008 * Investigation Type^1*Registration Number^1*Total Uninjured^1 + -0.000000621 * Investigation Type^1*Registration Number^1*Weather Condition^1 + -0.000000108 * Investigation Type^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000001 * Investigation Type^1*Registration Number^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Registration Number^1*Unnamed: 30^1 + 0.000000006 * Investigation Type^1*Make^2 + 0.000000005 * Investigation Type^1*Make^1*Model^1 + 0.000038907 * Investigation Type^1*Make^1*Amateur Built^1 + 0.000001489 * Investigation Type^1*Make^1*Number of Engines^1 + -0.000009586 * Investigation Type^1*Make^1*Engine Type^1 + 0.000004519 * Investigation Type^1*Make^1*FAR Description^1 + 0.000025410 * Investigation Type^1*Make^1*Schedule^1 + 0.000000119 * Investigation Type^1*Make^1*Purpose of Flight^1 + 0.000000026 * Investigation Type^1*Make^1*Air Carrier^1 + 0.000111528 * Investigation Type^1*Make^1*Total Fatal Injuries^1 + -0.000088042 * Investigation Type^1*Make^1*Total Serious Injuries^1 + -0.000001151 * Investigation Type^1*Make^1*Total Minor Injuries^1 + 0.000000011 * Investigation Type^1*Make^1*Total Uninjured^1 + 0.000032063 * Investigation Type^1*Make^1*Weather Condition^1 + -0.000008640 * Investigation Type^1*Make^1*Broad Phase of Flight^1 + 0.000000017 * Investigation Type^1*Make^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Make^1*Unnamed: 30^1 + -0.000000004 * Investigation Type^1*Model^2 + -0.000036995 * Investigation Type^1*Model^1*Amateur Built^1 + -0.000020483 * Investigation Type^1*Model^1*Number of Engines^1 + -0.000003860 * Investigation Type^1*Model^1*Engine Type^1 + 0.000000378 * Investigation Type^1*Model^1*FAR Description^1 + -0.000021121 * Investigation Type^1*Model^1*Schedule^1 + -0.000001262 * Investigation Type^1*Model^1*Purpose

of Flight^1 + 0.000000026 * Investigation Type^1*Model^1*Air Carrier^1 + -0.000165090 * Investigation Type^1*Model^1*Total Fatal Injuries^1 + 0.000105615 * Investigation Type^1*Model^1*Total Serious Injuries^1 + 0.000000761 * Investigation Type^1*Model^1*Total Minor Injuries^1 + 0.000000031 * Investigation Type^1*Model^1*Total Uninjured^1 + 0.000012324 * Investigation Type^1*Model^1*Weather Condition^1 + 0.000003624 * Investigation Type^1*Model^1*Broad Phase of Flight^1 + -0.000000029 * Investigation Type^1*Model^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Model^1*Unnamed: 30^1 + -0.000121164 * Investigation Type^1*Amateur Built^2 + -0.000125428 * Investigation Type^1*Amateur Built^1*Number of Engines^1 + 0.000034510 * Investigation Type^1*Amateur Built^1*Engine Type^1 + 0.000238647 * Investigation Type^1*Amateur Built^1*FAR Description^1 + -0.000075253 * Investigation Type^1*Amateur Built^1*Schedule^1 + -0.000658796 * Investigation Type^1*Amateur Built^1*Purpose of Flight^1 + -0.000183616 * Investigation Type^1*Amateur Built^1*Air Carrier^1 + 0.000460537 * Investigation Type^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000133920 * Investigation Type^1*Amateur Built^1*Total Serious Injuries^1 + 0.000195138 * Investigation Type^1*Amateur Built^1*Total Minor Injuries^1 + -0.001900918 * Investigation Type^1*Amateur Built^1*Total Uninjured^1 + -0.000004005 * Investigation Type^1*Amateur Built^1*Weather Condition^1 + -0.000147740 * Investigation Type^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000148436 * Investigation Type^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Amateur Built^1*Unnamed: 30^1 + 0.001292736 * Investigation Type^1*Number of Engines^2 + 0.001049877 * Investigation Type^1*Number of Engines^1*Engine Type^1 + 0.001957367 * Investigation Type^1*Number of Engines^1*FAR Description^1 + 0.000288068 * Investigation Type^1*Number of Engines^1*Schedule^1 + 0.001469402 * Investigation Type^1*Number of Engines^1*Purpose of Flight^1 + 0.000151541 * Investigation Type^1*Number of Engines^1*Air Carrier^1 + 0.003021626 * Investigation Type^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000334540 * Investigation Type^1*Number of Engines^1*Total Serious Injuries^1 + -0.003588536 * Investigation Type^1*Number of Engines^1*Total Minor Injuries^1 + -0.000059623 * Investigation Type^1*Number of Engines^1*Total Uninjured^1 + 0.000179881 * Investigation Type^1*Number of Engines^1*Weather Condition^1 + -0.000210407 * Investigation Type^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000091914 * Investigation Type^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Investigation Type^1*Number of Engines^1*Unnamed: 30^1 + 0.000818830 * Investigation Type^1*Engine Type^2 + 0.004542182 * Investigation Type^1*Engine Type^1*FAR Description^1 + 0.000642859 * Investigation Type^1*Engine Type^1*Schedule^1 + -0.002386151 * Investigation Type^1*Engine Type^1*Purpose of Flight^1 + -0.000054621 * Investigation Type^1*Engine Type^1*Air Carrier^1 + -0.000179970 * Investigation Type^1*Engine Type^1*Total Fatal Injuries^1 + -0.000894261 * Investigation Type^1*Engine Type^1*Total Serious Injuries^1 + 0.000170737 * Investigation Type^1*Engine Type^1*Total Minor Injuries^1 + 0.000226420 * Investigation Type^1*Engine Type^1*Total Uninjured^1 + 0.000754439 * Investigation Type^1*Engine Type^1*Weather Condition^1 + 0.002767442 * Investigation Type^1*Engine Type^1*Broad Phase of Flight^1 + -0.000004926 * Investigation Type^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Engine Type^1*Unnamed: 30^1 + -0.001993393 * Investigation Type^1*FAR Description^2 + -0.001128019 * Investigation Type^1*FAR Description^1*Schedule^1 + 0.000196937 * Investigation Type^1*FAR Description^1*Purpose of Flight^1 + -0.000011677 * Investigation Type^1*FAR Description^1*Air Carrier^1 + 0.000499422 * Investigation Type^1*FAR Description^1*Total Fatal Injuries^1 + -0.000344442 * Investigation Type^1*FAR Description^1*Total

Serious Injuries^1 + 0.003154764 * Investigation Type^1*FAR Description^1*Total Minor Injuries^1 + 0.000037339 * Investigation Type^1*FAR Description^1*Total Uninjured^1 + -0.001679191 * Investigation Type^1*FAR Description^1*Weather Condition^1 + 0.000250075 * Investigation Type^1*FAR Description^1*Broad Phase of Flight^1 + 0.000009193 * Investigation Type^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*FAR Description^1*Unnamed: 30^1 + 0.000158401 * Investigation Type^1*Schedule^2 + 0.000063785 * Investigation Type^1*Schedule^1*Purpose of Flight^1 + -0.000071750 * Investigation Type^1*Schedule^1*Air Carrier^1 + 0.001045009 * Investigation Type^1*Schedule^1*Total Fatal Injuries^1 + -0.001156861 * Investigation Type^1*Schedule^1*Total Serious Injuries^1 + -0.000198161 * Investigation Type^1*Schedule^1*Total Minor Injuries^1 + -0.000280685 * Investigation Type^1*Schedule^1*Total Uninjured^1 + 0.000699660 * Investigation Type^1*Schedule^1*Weather Condition^1 + 0.000501595 * Investigation Type^1*Schedule^1*Broad Phase of Flight^1 + 0.000025940 * Investigation Type^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Schedule^1*Unnamed: 30^1 + -0.003507982 * Investigation Type^1*Purpose of Flight^2 + 0.000002295 * Investigation Type^1*Purpose of Flight^1*Air Carrier^1 + -0.002949329 * Investigation Type^1*Purpose of Flight^1*Total Fatal Injuries^1 + -0.001322623 * Investigation Type^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000618361 * Investigation Type^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000075782 * Investigation Type^1*Purpose of Flight^1*Total Uninjured^1 + -0.001111603 * Investigation Type^1*Purpose of Flight^1*Weather Condition^1 + -0.001962000 * Investigation Type^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000005156 * Investigation Type^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000138 * Investigation Type^1*Air Carrier^2 + 0.000217621 * Investigation Type^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000574561 * Investigation Type^1*Air Carrier^1*Total Serious Injuries^1 + 0.000006654 * Investigation Type^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000757 * Investigation Type^1*Air Carrier^1*Total Uninjured^1 + 0.000081855 * Investigation Type^1*Air Carrier^1*Weather Condition^1 + -0.000001613 * Investigation Type^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000011 * Investigation Type^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Air Carrier^1*Unnamed: 30^1 + 0.004180352 * Investigation Type^1*Total Fatal Injuries^2 + -0.002470113 * Investigation Type^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.002423681 * Investigation Type^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.001607463 * Investigation Type^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.001257143 * Investigation Type^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000840549 * Investigation Type^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000405210 * Investigation Type^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.009031254 * Investigation Type^1*Total Serious Injuries^2 + 0.001403552 * Investigation Type^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.002265034 * Investigation Type^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000464585 * Investigation Type^1*Total Serious Injuries^1*Weather Condition^1 + -0.003439350 * Investigation Type^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000359277 * Investigation Type^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000709619 * Investigation Type^1*Total Minor Injuries^2 + 0.000037113 * Investigation Type^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000438757 * Investigation Type^1*Total Minor Injuries^1*Weather Condition^1 + -0.001195704 * Investigation Type^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000014487 * Investigation Type^1*Total

Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000002479 * Investigation Type^1*Total Uninjured^2 + 0.000137283 * Investigation Type^1*Total Uninjured^1*Weather Condition^1 + 0.000028251 * Investigation Type^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000620 * Investigation Type^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Total Uninjured^1*Unnamed: 30^1 + 0.000459162 * Investigation Type^1*Weather Condition^2 + 0.000964818 * Investigation Type^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000065316 * Investigation Type^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Weather Condition^1*Unnamed: 30^1 + -0.000495067 * Investigation Type^1*Broad Phase of Flight^2 + 0.000003529 * Investigation Type^1*Broad Phase of Flight^1*Report Publication Date^1 + -0.000000000 * Investigation Type^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000086 * Investigation Type^1*Report Publication Date^2 + 0.000000000 * Investigation Type^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Investigation Type^1*Unnamed: 30^2 + -0.000000000 * Accident Number^3 + 0.000000000 * Accident Number^2*Event Date^1 + 0.000000000 * Accident Number^2*Location^1 + 0.000000000 * Accident Number^2*Country^1 + -0.000000000 * Accident Number^2*Latitude^1 + 0.000000000 * Accident Number^2*Longitude^1 + -0.000000000 * Accident Number^2*Airport Code^1 + -0.000000000 * Accident Number^2*Airport Name^1 + -0.000000000 * Accident Number^2*Injury Severity^1 + 0.000000000 * Accident Number^2*Aircraft Category^1 + 0.000000000 * Accident Number^2*Registration Number^1 + 0.000000000 * Accident Number^2*Make^1 + 0.000000000 * Accident Number^2*Model^1 + 0.000000000 * Accident Number^2*Amateur Built^1 + -0.000000000 * Accident Number^2*Number of Engines^1 + -0.000000000 * Accident Number^2*Engine Type^1 + -0.000000000 * Accident Number^2*FAR Description^1 + 0.000000000 * Accident Number^2*Schedule^1 + 0.000000000 * Accident Number^2*Purpose of Flight^1 + -0.000000000 * Accident Number^2*Air Carrier^1 + 0.000000000 * Accident Number^2*Total Fatal Injuries^1 + 0.000000000 * Accident Number^2*Total Serious Injuries^1 + -0.000000000 * Accident Number^2*Total Minor Injuries^1 + 0.000000000 * Accident Number^2*Total Uninjured^1 + 0.000000000 * Accident Number^2*Weather Condition^1 + 0.000000000 * Accident Number^2*Broad Phase of Flight^1 + 0.000000000 * Accident Number^2*Report Publication Date^1 + 0.000000000 * Accident Number^2*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Event Date^2 + 0.000000000 * Accident Number^1*Event Date^1*Location^1 + 0.000000000 * Accident Number^1*Event Date^1*Country^1 + 0.000000000 * Accident Number^1*Event Date^1*Latitude^1 + -0.000000000 * Accident Number^1*Event Date^1*Longitude^1 + 0.000000000 * Accident Number^1*Event Date^1*Airport Code^1 + 0.000000000 * Accident Number^1*Event Date^1*Airport Name^1 + -0.000000000 * Accident Number^1*Event Date^1*Injury Severity^1 + 0.000000000 * Accident Number^1*Event Date^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Event Date^1*Registration Number^1 + 0.000000000 * Accident Number^1*Event Date^1*Make^1 + -0.000000000 * Accident Number^1*Event Date^1*Model^1 + -0.000000000 * Accident Number^1*Event Date^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Event Date^1*Number of Engines^1 + 0.000000000 * Accident Number^1*Event Date^1*Engine Type^1 + -0.000000000 * Accident Number^1*Event Date^1*FAR Description^1 + 0.000000000 * Accident Number^1*Event Date^1*Schedule^1 + 0.000000000 * Accident Number^1*Event Date^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Event Date^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Event Date^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Event Date^1*Total Serious Injuries^1 + -0.000000000 * Accident Number^1*Event

Date^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Event Date^1*Total Uninjured^1 + -0.000000000 * Accident Number^1*Event Date^1*Weather Condition^1 + 0.000000000 * Accident Number^1*Event Date^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Event Date^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Event Date^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Location^2 + -0.000000000 * Accident Number^1*Location^1*Country^1 + 0.000000000 * Accident Number^1*Location^1*Latitude^1 + -0.000000000 * Accident Number^1*Location^1*Longitude^1 + 0.000000000 * Accident Number^1*Location^1*Airport Code^1 + -0.000000000 * Accident Number^1*Location^1*Airport Name^1 + -0.000000000 * Accident Number^1*Location^1*Injury Severity^1 + -0.000000000 * Accident Number^1*Location^1*Aircraft Category^1 + -0.000000000 * Accident Number^1*Location^1*Registration Number^1 + 0.000000000 * Accident Number^1*Location^1*Make^1 + 0.000000000 * Accident Number^1*Location^1*Model^1 + 0.000000000 * Accident Number^1*Location^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Location^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Location^1*Engine Type^1 + -0.000000000 * Accident Number^1*Location^1*FAR Description^1 + 0.000000000 * Accident Number^1*Location^1*Schedule^1 + -0.000000000 * Accident Number^1*Location^1*Purpose of Flight^1 + -0.000000000 * Accident Number^1*Location^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Location^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Location^1*Total Serious Injuries^1 + -0.000000000 * Accident Number^1*Location^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Location^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Location^1*Weather Condition^1 + 0.000000000 * Accident Number^1*Location^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Location^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Location^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Country^2 + 0.000000000 * Accident Number^1*Country^1*Latitude^1 + 0.000000000 * Accident Number^1*Country^1*Longitude^1 + 0.000000000 * Accident Number^1*Country^1*Airport Code^1 + 0.000000000 * Accident Number^1*Country^1*Airport Name^1 + -0.000000000 * Accident Number^1*Country^1*Injury Severity^1 + -0.000000020 * Accident Number^1*Country^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Country^1*Registration Number^1 + -0.000000000 * Accident Number^1*Country^1*Make^1 + -0.000000000 * Accident Number^1*Country^1*Model^1 + 0.000000044 * Accident Number^1*Country^1*Amateur Built^1 + 0.000000019 * Accident Number^1*Country^1*Number of Engines^1 + -0.000000001 * Accident Number^1*Country^1*Engine Type^1 + -0.000000003 * Accident Number^1*Country^1*FAR Description^1 + 0.000000002 * Accident Number^1*Country^1*Schedule^1 + 0.000000002 * Accident Number^1*Country^1*Purpose of Flight^1 + -0.000000000 * Accident Number^1*Country^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Country^1*Total Fatal Injuries^1 + 0.000000005 * Accident Number^1*Country^1*Total Serious Injuries^1 + -0.000000000 * Accident Number^1*Country^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Country^1*Total Uninjured^1 + -0.000000017 * Accident Number^1*Country^1*Weather Condition^1 + 0.000000001 * Accident Number^1*Country^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Country^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Country^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Latitude^2 + 0.000000000 * Accident Number^1*Latitude^1*Longitude^1 + -0.000000000 * Accident Number^1*Latitude^1*Airport Code^1 + -0.000000000 * Accident Number^1*Latitude^1*Airport Name^1 + -0.000000000 * Accident Number^1*Latitude^1*Injury Severity^1 + -0.000000000 * Accident Number^1*Latitude^1*Aircraft Category^1 + 0.000000000 *

Accident Number^1*Latitude^1*Registration Number^1 + 0.000000000 * Accident Number^1*Latitude^1*Make^1 + -0.000000000 * Accident Number^1*Latitude^1*Model^1 + 0.000000000 * Accident Number^1*Latitude^1*Amateur Built^1 + 0.000000000 * Accident Number^1*Latitude^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Latitude^1*Engine Type^1 + 0.000000000 * Accident Number^1*Latitude^1*FAR Description^1 + 0.000000000 * Accident Number^1*Latitude^1*Schedule^1 + 0.000000000 * Accident Number^1*Latitude^1*Purpose of Flight^1 + -0.000000000 * Accident Number^1*Latitude^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Latitude^1*Total Fatal Injuries^1 + 0.000000000 * Accident Number^1*Latitude^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Latitude^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Latitude^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Latitude^1*Weather Condition^1 + 0.000000000 * Accident Number^1*Latitude^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Latitude^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Latitude^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Longitude^2 + -0.000000000 * Accident Number^1*Longitude^1*Airport Code^1 + 0.000000000 * Accident Number^1*Longitude^1*Airport Name^1 + -0.000000000 * Accident Number^1*Longitude^1*Injury Severity^1 + 0.000000000 * Accident Number^1*Longitude^1*Aircraft Category^1 + -0.000000000 * Accident Number^1*Longitude^1*Registration Number^1 + -0.000000000 * Accident Number^1*Longitude^1*Make^1 + -0.000000000 * Accident Number^1*Longitude^1*Model^1 + 0.000000000 * Accident Number^1*Longitude^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Longitude^1*Number of Engines^1 + 0.000000000 * Accident Number^1*Longitude^1*Engine Type^1 + -0.000000000 * Accident Number^1*Longitude^1*FAR Description^1 + 0.000000000 * Accident Number^1*Longitude^1*Schedule^1 + 0.000000000 * Accident Number^1*Longitude^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Longitude^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Longitude^1*Total Fatal Injuries^1 + 0.000000000 * Accident Number^1*Longitude^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Longitude^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Longitude^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Longitude^1*Weather Condition^1 + 0.000000000 * Accident Number^1*Longitude^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Longitude^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Longitude^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Airport Code^2 + -0.000000000 * Accident Number^1*Airport Code^1*Airport Name^1 + 0.000000000 * Accident Number^1*Airport Code^1*Injury Severity^1 + 0.000000000 * Accident Number^1*Airport Code^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Airport Code^1*Registration Number^1 + -0.000000000 * Accident Number^1*Airport Code^1*Make^1 + 0.000000000 * Accident Number^1*Airport Code^1*Model^1 + 0.000000000 * Accident Number^1*Airport Code^1*Amateur Built^1 + 0.000000000 * Accident Number^1*Airport Code^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Airport Code^1*Engine Type^1 + 0.000000000 * Accident Number^1*Airport Code^1*FAR Description^1 + -0.000000000 * Accident Number^1*Airport Code^1*Schedule^1 + 0.000000000 * Accident Number^1*Airport Code^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Airport Code^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000000 * Accident Number^1*Airport Code^1*Total Serious Injuries^1 + -0.000000000 * Accident Number^1*Airport Code^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Airport Code^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Airport

Code^1*Weather Condition^1 + 0.000000000 * Accident Number^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Airport Code^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Airport Name^2 + -0.000000000 * Accident Number^1*Airport Name^1*Injury Severity^1 + -0.000000000 * Accident Number^1*Airport Name^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Airport Name^1*Registration Number^1 + 0.000000000 * Accident Number^1*Airport Name^1*Make^1 + -0.000000000 * Accident Number^1*Airport Name^1*Model^1 + -0.000000000 * Accident Number^1*Airport Name^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Airport Name^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Airport Name^1*Engine Type^1 + 0.000000000 * Accident Number^1*Airport Name^1*FAR Description^1 + 0.000000000 * Accident Number^1*Airport Name^1*Schedule^1 + 0.000000000 * Accident Number^1*Airport Name^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Airport Name^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Airport Name^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Airport Name^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Airport Name^1*Total Uninjured^1 + -0.000000000 * Accident Number^1*Airport Name^1*Weather Condition^1 + -0.000000000 * Accident Number^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Airport Name^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Injury Severity^2 + -0.000000008 * Accident Number^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Accident Number^1*Injury Severity^1*Registration Number^1 + 0.000000000 * Accident Number^1*Injury Severity^1*Make^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Model^1 + 0.000000000 * Accident Number^1*Injury Severity^1*Amateur Built^1 + -0.000000002 * Accident Number^1*Injury Severity^1*Number of Engines^1 + 0.000000000 * Accident Number^1*Injury Severity^1*Engine Type^1 + -0.000000000 * Accident Number^1*Injury Severity^1*FAR Description^1 + -0.000000002 * Accident Number^1*Injury Severity^1*Schedule^1 + 0.000000001 * Accident Number^1*Injury Severity^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Injury Severity^1*Air Carrier^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Total Serious Injuries^1 + -0.000000001 * Accident Number^1*Injury Severity^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Total Uninjured^1 + 0.000000007 * Accident Number^1*Injury Severity^1*Weather Condition^1 + -0.000000001 * Accident Number^1*Injury Severity^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Injury Severity^1*Unnamed: 30^1 + -0.000000034 * Accident Number^1*Aircraft Category^2 + 0.000000000 * Accident Number^1*Aircraft Category^1*Registration Number^1 + -0.000000000 * Accident Number^1*Aircraft Category^1*Make^1 + -0.000000000 * Accident Number^1*Aircraft Category^1*Model^1 + 0.000000044 * Accident Number^1*Aircraft Category^1*Amateur Built^1 + -0.000000692 * Accident Number^1*Aircraft Category^1*Number of Engines^1 + -0.000000113 * Accident Number^1*Aircraft Category^1*Engine Type^1 + 0.000000323 * Accident Number^1*Aircraft Category^1*FAR Description^1 + 0.000000546 * Accident Number^1*Aircraft Category^1*Schedule^1 + 0.000000109 * Accident Number^1*Aircraft Category^1*Purpose of Flight^1 + -0.000000001 * Accident Number^1*Aircraft Category^1*Air Carrier^1 + 0.000000001 * Accident Number^1*Aircraft Category^1*Total Fatal Injuries^1 + -0.000000282 * Accident Number^1*Aircraft Category^1*Total Serious Injuries^1 + 0.000000066 *

Accident Number^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000003 * Accident Number^1*Aircraft Category^1*Total Uninjured^1 + -0.000000366 * Accident Number^1*Aircraft Category^1*Weather Condition^1 + -0.000000130 * Accident Number^1*Aircraft Category^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Registration Number^2 + 0.000000000 * Accident Number^1*Registration Number^1*Make^1 + -0.000000000 * Accident Number^1*Registration Number^1*Model^1 + 0.000000000 * Accident Number^1*Registration Number^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Registration Number^1*Number of Engines^1 + 0.000000000 * Accident Number^1*Registration Number^1*Engine Type^1 + -0.000000000 * Accident Number^1*Registration Number^1*FAR Description^1 + 0.000000000 * Accident Number^1*Registration Number^1*Schedule^1 + 0.000000000 * Accident Number^1*Registration Number^1*Purpose of Flight^1 + -0.000000000 * Accident Number^1*Registration Number^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Registration Number^1*Total Fatal Injuries^1 + 0.000000000 * Accident Number^1*Registration Number^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Registration Number^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Registration Number^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Registration Number^1*Weather Condition^1 + -0.000000000 * Accident Number^1*Registration Number^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Registration Number^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Registration Number^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Make^2 + 0.000000000 * Accident Number^1*Make^1*Model^1 + 0.000000000 * Accident Number^1*Make^1*Amateur Built^1 + 0.000000000 * Accident Number^1*Make^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Make^1*Engine Type^1 + 0.000000000 * Accident Number^1*Make^1*FAR Description^1 + 0.000000000 * Accident Number^1*Make^1*Schedule^1 + -0.000000000 * Accident Number^1*Make^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Make^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Make^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Make^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Make^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Make^1*Weather Condition^1 + -0.000000000 * Accident Number^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Make^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Make^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Model^2 + -0.000000000 * Accident Number^1*Model^1*Amateur Built^1 + -0.000000000 * Accident Number^1*Model^1*Number of Engines^1 + -0.000000000 * Accident Number^1*Model^1*Engine Type^1 + -0.000000000 * Accident Number^1*Model^1*FAR Description^1 + 0.000000000 * Accident Number^1*Model^1*Schedule^1 + 0.000000000 * Accident Number^1*Model^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Model^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Model^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Model^1*Total Serious Injuries^1 + 0.000000000 * Accident Number^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Model^1*Total Uninjured^1 + 0.000000000 * Accident Number^1*Model^1*Weather Condition^1 + -0.000000000 * Accident Number^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Model^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Model^1*Unnamed: 30^1 + -0.000004807 * Accident

Number^1*Amateur Built^2 + 0.000002378 * Accident Number^1*Amateur Built^1*Number of Engines^1 + 0.000000156 * Accident Number^1*Amateur Built^1*Engine Type^1 + 0.000000080 * Accident Number^1*Amateur Built^1*FAR Description^1 + 0.000001215 * Accident Number^1*Amateur Built^1*Schedule^1 + -0.000000139 * Accident Number^1*Amateur Built^1*Purpose of Flight^1 + -0.000000038 * Accident Number^1*Amateur Built^1*Air Carrier^1 + 0.000000012 * Accident Number^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000000023 * Accident Number^1*Amateur Built^1*Total Serious Injuries^1 + 0.000000060 * Accident Number^1*Amateur Built^1*Total Minor Injuries^1 + -0.000000026 * Accident Number^1*Amateur Built^1*Total Uninjured^1 + 0.000000046 * Accident Number^1*Amateur Built^1*Weather Condition^1 + 0.000000011 * Accident Number^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000001 * Accident Number^1*Amateur Built^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Amateur Built^1*Unnamed: 30^1 + 0.000000331 * Accident Number^1*Number of Engines^2 + 0.000000120 * Accident Number^1*Number of Engines^1*Engine Type^1 + 0.000000025 * Accident Number^1*Number of Engines^1*FAR Description^1 + -0.000000003 * Accident Number^1*Number of Engines^1*Schedule^1 + 0.000000025 * Accident Number^1*Number of Engines^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*Number of Engines^1*Air Carrier^1 + 0.000000043 * Accident Number^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000000161 * Accident Number^1*Number of Engines^1*Total Serious Injuries^1 + 0.000000006 * Accident Number^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Number of Engines^1*Total Uninjured^1 + 0.000000471 * Accident Number^1*Number of Engines^1*Weather Condition^1 + -0.000000042 * Accident Number^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Number of Engines^1*Unnamed: 30^1 + -0.000000041 * Accident Number^1*Engine Type^2 + 0.000000027 * Accident Number^1*Engine Type^1*FAR Description^1 + -0.000000113 * Accident Number^1*Engine Type^1*Schedule^1 + -0.000000003 * Accident Number^1*Engine Type^1*Purpose of Flight^1 + -0.000000000 * Accident Number^1*Engine Type^1*Air Carrier^1 + -0.000000010 * Accident Number^1*Engine Type^1*Total Fatal Injuries^1 + 0.000000001 * Accident Number^1*Engine Type^1*Total Serious Injuries^1 + -0.000000003 * Accident Number^1*Engine Type^1*Total Minor Injuries^1 + -0.000000001 * Accident Number^1*Engine Type^1*Total Uninjured^1 + -0.000000222 * Accident Number^1*Engine Type^1*Weather Condition^1 + 0.000000032 * Accident Number^1*Engine Type^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Engine Type^1*Unnamed: 30^1 + 0.000000018 * Accident Number^1*FAR Description^2 + 0.000000024 * Accident Number^1*FAR Description^1*Schedule^1 + -0.000000015 * Accident Number^1*FAR Description^1*Purpose of Flight^1 + 0.000000000 * Accident Number^1*FAR Description^1*Air Carrier^1 + 0.000000000 * Accident Number^1*FAR Description^1*Total Fatal Injuries^1 + 0.000000032 * Accident Number^1*FAR Description^1*Total Serious Injuries^1 + 0.000000008 * Accident Number^1*FAR Description^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*FAR Description^1*Total Uninjured^1 + 0.000000029 * Accident Number^1*FAR Description^1*Weather Condition^1 + 0.000000010 * Accident Number^1*FAR Description^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*FAR Description^1*Unnamed: 30^1 + -0.000000008 * Accident Number^1*Schedule^2 + 0.000000016 * Accident Number^1*Schedule^1*Purpose of Flight^1 + 0.000000001 * Accident Number^1*Schedule^1*Air Carrier^1 + 0.000000037 * Accident

Number^1*Schedule^1*Total Fatal Injuries^1 + 0.000000109 * Accident Number^1*Schedule^1*Total Serious Injuries^1 + 0.000000040 * Accident Number^1*Schedule^1*Total Minor Injuries^1 + 0.000000001 * Accident Number^1*Schedule^1*Total Uninjured^1 + -0.000000089 * Accident Number^1*Schedule^1*Weather Condition^1 + 0.000000120 * Accident Number^1*Schedule^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Schedule^1*Unnamed: 30^1 + 0.000000009 * Accident Number^1*Purpose of Flight^2 + 0.000000000 * Accident Number^1*Purpose of Flight^1*Air Carrier^1 + 0.000000000 * Accident Number^1*Purpose of Flight^1*Total Fatal Injuries^1 + -0.000000024 * Accident Number^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000003 * Accident Number^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000001 * Accident Number^1*Purpose of Flight^1*Total Uninjured^1 + -0.000000003 * Accident Number^1*Purpose of Flight^1*Weather Condition^1 + 0.000000002 * Accident Number^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000000 * Accident Number^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Accident Number^1*Air Carrier^2 + -0.000000000 * Accident Number^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000000 * Accident Number^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000000 * Accident Number^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Air Carrier^1*Total Uninjured^1 + -0.000000001 * Accident Number^1*Air Carrier^1*Weather Condition^1 + -0.000000000 * Accident Number^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Air Carrier^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Total Fatal Injuries^2 + -0.000000004 * Accident Number^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000004 * Accident Number^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000000 * Accident Number^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000016 * Accident Number^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000002 * Accident Number^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000027 * Accident Number^1*Total Serious Injuries^2 + -0.000000003 * Accident Number^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000000 * Accident Number^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000000180 * Accident Number^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000013 * Accident Number^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Accident Number^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000001 * Accident Number^1*Total Minor Injuries^2 + -0.000000001 * Accident Number^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000048 * Accident Number^1*Total Minor Injuries^1*Weather Condition^1 + -0.000000008 * Accident Number^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Total Uninjured^2 + 0.000000003 * Accident Number^1*Total Uninjured^1*Weather Condition^1 + -0.000000001 * Accident Number^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Total Uninjured^1*Unnamed: 30^1 + 0.000000814 * Accident Number^1*Weather Condition^2 + -0.000000099 * Accident Number^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000000 * Accident Number^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 *

Accident Number^1*Weather Condition^1*Unnamed: 30^1 + -0.000000015 * Accident Number^1*Broad Phase of Flight^2 + -0.000000000 * Accident Number^1*Broad Phase of Flight^1*Report Publication Date^1 + -0.000000000 * Accident Number^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Report Publication Date^2 + 0.000000000 * Accident Number^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Accident Number^1*Unnamed: 30^2 + 0.000000000 * Event Date^3 + 0.000000000 * Event Date^2*Location^1 + -0.000000000 * Event Date^2*Country^1 + 0.000000000 * Event Date^2*Latitude^1 + -0.000000000 * Event Date^2*Longitude^1 + -0.000000000 * Event Date^2*Airport Code^1 + -0.000000000 * Event Date^2*Airport Name^1 + -0.000000000 * Event Date^2*Injury Severity^1 + -0.000000000 * Event Date^2*Aircraft Category^1 + -0.000000000 * Event Date^2*Registration Number^1 + -0.000000000 * Event Date^2*Make^1 + 0.000000000 * Event Date^2*Model^1 + 0.000000000 * Event Date^2*Amateur Built^1 + -0.000000000 * Event Date^2*Number of Engines^1 + -0.000000000 * Event Date^2*Engine Type^1 + -0.000000000 * Event Date^2*FAR Description^1 + -0.000000000 * Event Date^2*Schedule^1 + 0.000000000 * Event Date^2*Purpose of Flight^1 + 0.000000000 * Event Date^2*Air Carrier^1 + -0.000000000 * Event Date^2*Total Fatal Injuries^1 + -0.000000000 * Event Date^2*Total Serious Injuries^1 + -0.000000000 * Event Date^2*Total Minor Injuries^1 + 0.000000000 * Event Date^2*Total Uninjured^1 + -0.000000000 * Event Date^2*Weather Condition^1 + 0.000000000 * Event Date^2*Broad Phase of Flight^1 + 0.000000000 * Event Date^2*Report Publication Date^1 + -0.000000000 * Event Date^2*Unnamed: 30^1 + 0.000000000 * Event Date^1*Location^2 + -0.000000000 * Event Date^1*Location^1*Country^1 + -0.000000000 * Event Date^1*Location^1*Latitude^1 + 0.000000000 * Event Date^1*Location^1*Longitude^1 + 0.000000000 * Event Date^1*Location^1*Airport Code^1 + 0.000000000 * Event Date^1*Location^1*Airport Name^1 + 0.000000000 * Event Date^1*Location^1*Injury Severity^1 + 0.000000000 * Event Date^1*Location^1*Aircraft Category^1 + 0.000000000 * Event Date^1*Location^1*Registration Number^1 + -0.000000000 * Event Date^1*Location^1*Make^1 + 0.000000000 * Event Date^1*Location^1*Model^1 + -0.000000000 * Event Date^1*Location^1*Amateur Built^1 + -0.000000000 * Event Date^1*Location^1*Number of Engines^1 + 0.000000000 * Event Date^1*Location^1*Engine Type^1 + 0.000000000 * Event Date^1*Location^1*FAR Description^1 + 0.000000000 * Event Date^1*Location^1*Schedule^1 + -0.000000000 * Event Date^1*Location^1*Purpose of Flight^1 + -0.000000000 * Event Date^1*Location^1*Air Carrier^1 + 0.000000000 * Event Date^1*Location^1*Total Fatal Injuries^1 + -0.000000000 * Event Date^1*Location^1*Total Serious Injuries^1 + 0.000000000 * Event Date^1*Location^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Location^1*Total Uninjured^1 + 0.000000000 * Event Date^1*Location^1*Weather Condition^1 + -0.000000000 * Event Date^1*Location^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Location^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Location^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Country^2 + 0.000000000 * Event Date^1*Country^1*Latitude^1 + -0.000000000 * Event Date^1*Country^1*Longitude^1 + 0.000000000 * Event Date^1*Country^1*Airport Code^1 + -0.000000000 * Event Date^1*Country^1*Airport Name^1 + -0.000000000 * Event Date^1*Country^1*Injury Severity^1 + -0.000000024 * Event Date^1*Country^1*Aircraft Category^1 + 0.000000000 * Event Date^1*Country^1*Registration Number^1 + -0.000000000 * Event Date^1*Country^1*Make^1 + -0.000000000 * Event Date^1*Country^1*Model^1 + 0.000000285 * Event Date^1*Country^1*Amateur Built^1 + -0.000000034 * Event Date^1*Country^1*Number of Engines^1 + -0.000000007 * Event Date^1*Country^1*Engine Type^1 + -0.000000010 * Event

Date^1*Country^1*FAR Description^1 + 0.000000030 * Event Date^1*Country^1*Schedule^1 + 0.000000003 * Event Date^1*Country^1*Purpose of Flight^1 + -0.000000000 * Event Date^1*Country^1*Air Carrier^1 + 0.000000001 * Event Date^1*Country^1*Total Fatal Injuries^1 + -0.000000017 * Event Date^1*Country^1*Total Serious Injuries^1 + 0.000000015 * Event Date^1*Country^1*Total Minor Injuries^1 + 0.000000001 * Event Date^1*Country^1*Total Uninjured^1 + 0.000000042 * Event Date^1*Country^1*Weather Condition^1 + -0.000000015 * Event Date^1*Country^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Country^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Country^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Latitude^2 + 0.000000000 * Event Date^1*Latitude^1*Longitude^1 + -0.000000000 * Event Date^1*Latitude^1*Airport Code^1 + 0.000000000 * Event Date^1*Latitude^1*Airport Name^1 + 0.000000000 * Event Date^1*Latitude^1*Injury Severity^1 + 0.000000000 * Event Date^1*Latitude^1*Aircraft Category^1 + -0.000000000 * Event Date^1*Latitude^1*Registration Number^1 + 0.000000000 * Event Date^1*Latitude^1*Make^1 + -0.000000000 * Event Date^1*Latitude^1*Model^1 + 0.000000000 * Event Date^1*Latitude^1*Amateur Built^1 + 0.000000000 * Event Date^1*Latitude^1*Number of Engines^1 + -0.000000000 * Event Date^1*Latitude^1*Engine Type^1 + -0.000000000 * Event Date^1*Latitude^1*FAR Description^1 + -0.000000001 * Event Date^1*Latitude^1*Schedule^1 + -0.000000000 * Event Date^1*Latitude^1*Purpose of Flight^1 + -0.000000000 * Event Date^1*Latitude^1*Air Carrier^1 + -0.000000000 * Event Date^1*Latitude^1*Total Fatal Injuries^1 + -0.000000000 * Event Date^1*Latitude^1*Total Serious Injuries^1 + -0.000000000 * Event Date^1*Latitude^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Latitude^1*Total Uninjured^1 + 0.000000001 * Event Date^1*Latitude^1*Weather Condition^1 + -0.000000000 * Event Date^1*Latitude^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Latitude^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Latitude^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Longitude^2 + 0.000000000 * Event Date^1*Longitude^1*Airport Code^1 + -0.000000000 * Event Date^1*Longitude^1*Airport Name^1 + 0.000000000 * Event Date^1*Longitude^1*Injury Severity^1 + 0.000000000 * Event Date^1*Longitude^1*Aircraft Category^1 + -0.000000000 * Event Date^1*Longitude^1*Registration Number^1 + -0.000000000 * Event Date^1*Longitude^1*Make^1 + 0.000000000 * Event Date^1*Longitude^1*Model^1 + -0.000000003 * Event Date^1*Longitude^1*Amateur Built^1 + -0.000000001 * Event Date^1*Longitude^1*Number of Engines^1 + -0.000000000 * Event Date^1*Longitude^1*Engine Type^1 + -0.000000000 * Event Date^1*Longitude^1*FAR Description^1 + -0.000000005 * Event Date^1*Longitude^1*Schedule^1 + -0.000000000 * Event Date^1*Longitude^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Longitude^1*Air Carrier^1 + -0.000000000 * Event Date^1*Longitude^1*Total Fatal Injuries^1 + 0.000000000 * Event Date^1*Longitude^1*Total Serious Injuries^1 + 0.000000000 * Event Date^1*Longitude^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Longitude^1*Total Uninjured^1 + -0.000000001 * Event Date^1*Longitude^1*Weather Condition^1 + -0.000000000 * Event Date^1*Longitude^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Longitude^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Longitude^1*Unnamed: 30^1 + 0.000000000 * Event Date^1*Airport Code^2 + 0.000000000 * Event Date^1*Airport Code^1*Airport Name^1 + 0.000000000 * Event Date^1*Airport Code^1*Injury Severity^1 + -0.000000003 * Event Date^1*Airport Code^1*Aircraft Category^1 + -0.000000000 * Event Date^1*Airport Code^1*Registration Number^1 + -0.000000000 * Event Date^1*Airport Code^1*Make^1 + 0.000000000 * Event Date^1*Airport Code^1*Model^1 + 0.000000001 * Event Date^1*Airport Code^1*Amateur Built^1 + 0.000000001 * Event Date^1*Airport

Code^1*Number of Engines^1 + 0.000000000 * Event Date^1*Airport Code^1*Engine Type^1 + 0.000000000 * Event Date^1*Airport Code^1*FAR Description^1 + -0.000000002 * Event Date^1*Airport Code^1*Schedule^1 + 0.000000000 * Event Date^1*Airport Code^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Airport Code^1*Air Carrier^1 + 0.000000000 * Event Date^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000000 * Event Date^1*Airport Code^1*Total Serious Injuries^1 + -0.000000000 * Event Date^1*Airport Code^1*Total Minor Injuries^1 + -0.000000000 * Event Date^1*Airport Code^1*Total Uninjured^1 + -0.000000001 * Event Date^1*Airport Code^1*Weather Condition^1 + -0.000000000 * Event Date^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Airport Code^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Airport Code^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Airport Name^2 + -0.000000000 * Event Date^1*Airport Name^1*Injury Severity^1 + 0.000000001 * Event Date^1*Airport Name^1*Aircraft Category^1 + 0.000000000 * Event Date^1*Airport Name^1*Registration Number^1 + 0.000000000 * Event Date^1*Airport Name^1*Make^1 + -0.000000000 * Event Date^1*Airport Name^1*Model^1 + 0.000000000 * Event Date^1*Airport Name^1*Amateur Built^1 + -0.000000000 * Event Date^1*Airport Name^1*Number of Engines^1 + -0.000000000 * Event Date^1*Airport Name^1*Engine Type^1 + -0.000000000 * Event Date^1*Airport Name^1*FAR Description^1 + -0.000000000 * Event Date^1*Airport Name^1*Schedule^1 + -0.000000000 * Event Date^1*Airport Name^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Airport Name^1*Air Carrier^1 + -0.000000000 * Event Date^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000000 * Event Date^1*Airport Name^1*Total Serious Injuries^1 + 0.000000000 * Event Date^1*Airport Name^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Airport Name^1*Total Uninjured^1 + -0.000000000 * Event Date^1*Airport Name^1*Weather Condition^1 + -0.000000000 * Event Date^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Airport Name^1*Unnamed: 30^1 + 0.000000001 * Event Date^1*Injury Severity^2 + -0.000000016 * Event Date^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Event Date^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Event Date^1*Injury Severity^1*Make^1 + -0.000000000 * Event Date^1*Injury Severity^1*Model^1 + 0.000000117 * Event Date^1*Injury Severity^1*Amateur Built^1 + -0.000000043 * Event Date^1*Injury Severity^1*Number of Engines^1 + 0.000000037 * Event Date^1*Injury Severity^1*Engine Type^1 + 0.000000004 * Event Date^1*Injury Severity^1*FAR Description^1 + -0.000000038 * Event Date^1*Injury Severity^1*Schedule^1 + -0.000000012 * Event Date^1*Injury Severity^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Injury Severity^1*Air Carrier^1 + -0.000000001 * Event Date^1*Injury Severity^1*Total Fatal Injuries^1 + 0.000000033 * Event Date^1*Injury Severity^1*Total Serious Injuries^1 + 0.000000002 * Event Date^1*Injury Severity^1*Total Minor Injuries^1 + 0.000000002 * Event Date^1*Injury Severity^1*Total Uninjured^1 + 0.000000094 * Event Date^1*Injury Severity^1*Weather Condition^1 + 0.000000004 * Event Date^1*Injury Severity^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Injury Severity^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Injury Severity^1*Unnamed: 30^1 + 0.000003567 * Event Date^1*Aircraft Category^2 + 0.000000000 * Event Date^1*Aircraft Category^1*Registration Number^1 + 0.000000000 * Event Date^1*Aircraft Category^1*Make^1 + -0.000000000 * Event Date^1*Aircraft Category^1*Model^1 + -0.000004945 * Event Date^1*Aircraft Category^1*Amateur Built^1 + 0.000001476 * Event Date^1*Aircraft Category^1*Number of Engines^1 + -0.000001617 * Event Date^1*Aircraft Category^1*Engine Type^1 + -0.000000309 * Event Date^1*Aircraft Category^1*FAR Description^1 + 0.000000620 * Event

Date^1*Aircraft Category^1*Schedule^1 + -0.000000294 * Event Date^1*Aircraft Category^1*Purpose of Flight^1 + 0.000000018 * Event Date^1*Aircraft Category^1*Air Carrier^1 + 0.000000437 * Event Date^1*Aircraft Category^1*Total Fatal Injuries^1 + -0.000001035 * Event Date^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000000431 * Event Date^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000019 * Event Date^1*Aircraft Category^1*Total Uninjured^1 + 0.000005001 * Event Date^1*Aircraft Category^1*Weather Condition^1 + -0.000000267 * Event Date^1*Aircraft Category^1*Broad Phase of Flight^1 + -0.000000001 * Event Date^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Registration Number^2 + 0.000000000 * Event Date^1*Registration Number^1*Make^1 + -0.000000000 * Event Date^1*Registration Number^1*Model^1 + 0.000000000 * Event Date^1*Registration Number^1*Amateur Built^1 + -0.000000000 * Event Date^1*Registration Number^1*Number of Engines^1 + 0.000000000 * Event Date^1*Registration Number^1*Engine Type^1 + -0.000000000 * Event Date^1*Registration Number^1*FAR Description^1 + -0.000000000 * Event Date^1*Registration Number^1*Schedule^1 + 0.000000000 * Event Date^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Registration Number^1*Air Carrier^1 + 0.000000000 * Event Date^1*Registration Number^1*Total Fatal Injuries^1 + 0.000000000 * Event Date^1*Registration Number^1*Total Serious Injuries^1 + -0.000000000 * Event Date^1*Registration Number^1*Total Minor Injuries^1 + -0.000000000 * Event Date^1*Registration Number^1*Total Uninjured^1 + 0.000000000 * Event Date^1*Registration Number^1*Weather Condition^1 + -0.000000000 * Event Date^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Registration Number^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Make^2 + 0.000000000 * Event Date^1*Make^1*Model^1 + 0.000000001 * Event Date^1*Make^1*Amateur Built^1 + 0.000000001 * Event Date^1*Make^1*Number of Engines^1 + -0.000000000 * Event Date^1*Make^1*Engine Type^1 + -0.000000000 * Event Date^1*Make^1*FAR Description^1 + -0.000000000 * Event Date^1*Make^1*Schedule^1 + 0.000000000 * Event Date^1*Make^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Make^1*Air Carrier^1 + 0.000000000 * Event Date^1*Make^1*Total Fatal Injuries^1 + 0.000000000 * Event Date^1*Make^1*Total Serious Injuries^1 + -0.000000000 * Event Date^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Make^1*Total Uninjured^1 + 0.000000001 * Event Date^1*Make^1*Weather Condition^1 + 0.000000000 * Event Date^1*Make^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Make^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Make^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Model^2 + 0.000000000 * Event Date^1*Model^1*Amateur Built^1 + -0.000000001 * Event Date^1*Model^1*Number of Engines^1 + -0.000000000 * Event Date^1*Model^1*Engine Type^1 + 0.000000000 * Event Date^1*Model^1*FAR Description^1 + -0.000000000 * Event Date^1*Model^1*Schedule^1 + -0.000000000 * Event Date^1*Model^1*Purpose of Flight^1 + 0.000000000 * Event Date^1*Model^1*Air Carrier^1 + -0.000000000 * Event Date^1*Model^1*Total Fatal Injuries^1 + -0.000000000 * Event Date^1*Model^1*Total Serious Injuries^1 + -0.000000000 * Event Date^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Event Date^1*Model^1*Total Uninjured^1 + -0.000000000 * Event Date^1*Model^1*Weather Condition^1 + 0.000000000 * Event Date^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Model^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Model^1*Unnamed: 30^1 + -0.000003116 * Event Date^1*Amateur Built^2 + 0.000013676 * Event Date^1*Amateur Built^1*Number of Engines^1 + -0.000003153 * Event Date^1*Amateur Built^1*Engine Type^1 + 0.000001492 * Event Date^1*Amateur

Built^1*FAR Description^1 + 0.000006544 * Event Date^1*Amateur Built^1*Schedule^1 + -0.000000932 * Event Date^1*Amateur Built^1*Purpose of Flight^1 + 0.000000176 * Event Date^1*Amateur Built^1*Air Carrier^1 + 0.000000208 * Event Date^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000001999 * Event Date^1*Amateur Built^1*Total Serious Injuries^1 + -0.000000300 * Event Date^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000005 * Event Date^1*Amateur Built^1*Total Uninjured^1 + -0.000012500 * Event Date^1*Amateur Built^1*Weather Condition^1 + -0.000000236 * Event Date^1*Amateur Built^1*Broad Phase of Flight^1 + 0.000000002 * Event Date^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Amateur Built^1*Unnamed: 30^1 + 0.000001118 * Event Date^1*Number of Engines^2 + -0.000001967 * Event Date^1*Number of Engines^1*Engine Type^1 + -0.000000237 * Event Date^1*Number of Engines^1*FAR Description^1 + 0.000004063 * Event Date^1*Number of Engines^1*Schedule^1 + -0.000000121 * Event Date^1*Number of Engines^1*Purpose of Flight^1 + -0.000000010 * Event Date^1*Number of Engines^1*Air Carrier^1 + 0.000000013 * Event Date^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000000450 * Event Date^1*Number of Engines^1*Total Serious Injuries^1 + 0.000000257 * Event Date^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000059 * Event Date^1*Number of Engines^1*Total Uninjured^1 + 0.000001773 * Event Date^1*Number of Engines^1*Weather Condition^1 + -0.000000070 * Event Date^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000004 * Event Date^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Number of Engines^1*Unnamed: 30^1 + 0.000000185 * Event Date^1*Engine Type^2 + 0.000000502 * Event Date^1*Engine Type^1*FAR Description^1 + -0.000000149 * Event Date^1*Engine Type^1*Schedule^1 + -0.000000103 * Event Date^1*Engine Type^1*Purpose of Flight^1 + -0.000000001 * Event Date^1*Engine Type^1*Air Carrier^1 + -0.000000019 * Event Date^1*Engine Type^1*Total Fatal Injuries^1 + 0.000000269 * Event Date^1*Engine Type^1*Total Serious Injuries^1 + -0.000000371 * Event Date^1*Engine Type^1*Total Minor Injuries^1 + -0.000000008 * Event Date^1*Engine Type^1*Total Uninjured^1 + 0.000000408 * Event Date^1*Engine Type^1*Weather Condition^1 + -0.000000013 * Event Date^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Engine Type^1*Unnamed: 30^1 + 0.000000128 * Event Date^1*FAR Description^2 + -0.000000479 * Event Date^1*FAR Description^1*Schedule^1 + -0.000000040 * Event Date^1*FAR Description^1*Purpose of Flight^1 + -0.000000001 * Event Date^1*FAR Description^1*Air Carrier^1 + -0.000000046 * Event Date^1*FAR Description^1*Total Fatal Injuries^1 + 0.000000048 * Event Date^1*FAR Description^1*Total Serious Injuries^1 + 0.000000076 * Event Date^1*FAR Description^1*Total Minor Injuries^1 + -0.000000002 * Event Date^1*FAR Description^1*Total Uninjured^1 + -0.000000059 * Event Date^1*FAR Description^1*Weather Condition^1 + -0.000000009 * Event Date^1*FAR Description^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Event Date^1*FAR Description^1*Unnamed: 30^1 + 0.000002394 * Event Date^1*Schedule^2 + -0.000000453 * Event Date^1*Schedule^1*Purpose of Flight^1 + 0.000000029 * Event Date^1*Schedule^1*Air Carrier^1 + -0.000000013 * Event Date^1*Schedule^1*Total Fatal Injuries^1 + 0.000001305 * Event Date^1*Schedule^1*Total Serious Injuries^1 + 0.000000126 * Event Date^1*Schedule^1*Total Minor Injuries^1 + 0.000000059 * Event Date^1*Schedule^1*Total Uninjured^1 + -0.000000479 * Event Date^1*Schedule^1*Weather Condition^1 + -0.000000291 * Event Date^1*Schedule^1*Broad Phase of Flight^1 + -0.000000003 * Event Date^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Schedule^1*Unnamed: 30^1 + 0.000000058 * Event Date^1*Purpose of Flight^2 + 0.000000001

* Event Date^1*Purpose of Flight^1*Air Carrier^1 + -0.000000021 * Event Date^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000070 * Event Date^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000000003 * Event Date^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000000001 * Event Date^1*Purpose of Flight^1*Total Uninjured^1 + 0.000000261 * Event Date^1*Purpose of Flight^1*Weather Condition^1 + -0.000000005 * Event Date^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Event Date^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Air Carrier^2 + 0.000000000 * Event Date^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000000 * Event Date^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000000 * Event Date^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000000 * Event Date^1*Air Carrier^1*Total Uninjured^1 + -0.000000005 * Event Date^1*Air Carrier^1*Weather Condition^1 + 0.000000002 * Event Date^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Air Carrier^1*Unnamed: 30^1 + 0.000000003 * Event Date^1*Total Fatal Injuries^2 + -0.000000006 * Event Date^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000050 * Event Date^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000004 * Event Date^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000025 * Event Date^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000020 * Event Date^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Event Date^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000019 * Event Date^1*Total Serious Injuries^2 + 0.000000027 * Event Date^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000036 * Event Date^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000000131 * Event Date^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000057 * Event Date^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000001 * Event Date^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000052 * Event Date^1*Total Minor Injuries^2 + -0.000000004 * Event Date^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000000071 * Event Date^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000216 * Event Date^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Total Uninjured^2 + -0.000000057 * Event Date^1*Total Uninjured^1*Weather Condition^1 + -0.000000004 * Event Date^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000000 * Event Date^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Total Uninjured^1*Unnamed: 30^1 + -0.000002798 * Event Date^1*Weather Condition^2 + -0.000000290 * Event Date^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000001 * Event Date^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Weather Condition^1*Unnamed: 30^1 + 0.000000018 * Event Date^1*Broad Phase of Flight^2 + 0.000000000 * Event Date^1*Broad Phase of Flight^1*Report Publication Date^1 + -0.000000000 * Event Date^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Event Date^1*Report Publication Date^2 + -0.000000000 * Event Date^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Event Date^1*Unnamed: 30^2 + 0.000000000 * Location^3 + 0.000000000 * Location^2*Country^1 + -0.000000000 * Location^2*Latitude^1 + 0.000000000 * Location^2*Longitude^1 + 0.000000000 * Location^2*Airport Code^1 + -0.000000000 * Location^2*Airport Name^1 + -0.000000000 * Location^2*Injury Severity^1 + -0.000000000 * Location^2*Aircraft Category^1 + 0.000000000 * Location^2*Registration Number^1 + -0.000000000 * Location^2*Make^1 + -0.000000000 * Location^2*Model^1 + 0.000000000 * Location^2*Amateur

Built^1 + -0.000000000 * Location^2*Number of Engines^1 + -0.000000000 * Location^2*Engine Type^1 + -0.000000000 * Location^2*FAR Description^1 + 0.000000000 * Location^2*Schedule^1 + 0.000000000 * Location^2*Purpose of Flight^1 + -0.000000000 * Location^2*Air Carrier^1 + -0.000000000 * Location^2*Total Fatal Injuries^1 + -0.000000000 * Location^2*Total Serious Injuries^1 + 0.000000000 * Location^2*Total Minor Injuries^1 + 0.000000000 * Location^2*Total Uninjured^1 + -0.000000000 * Location^2*Weather Condition^1 + -0.000000000 * Location^2*Broad Phase of Flight^1 + -0.000000000 * Location^2*Report Publication Date^1 + 0.000000000 * Location^2*Unnamed: 30^1 + -0.000000000 * Location^1*Country^2 + 0.000000000 * Location^1*Country^1*Latitude^1 + -0.000000000 * Location^1*Country^1*Longitude^1 + 0.000000000 * Location^1*Country^1*Airport Code^1 + -0.000000000 * Location^1*Country^1*Airport Name^1 + -0.000000000 * Location^1*Country^1*Injury Severity^1 + -0.000000052 * Location^1*Country^1*Aircraft Category^1 + -0.000000000 * Location^1*Country^1*Registration Number^1 + -0.000000000 * Location^1*Country^1*Make^1 + 0.000000000 * Location^1*Country^1*Model^1 + -0.000000120 * Location^1*Country^1*Amateur Built^1 + 0.000000017 * Location^1*Country^1*Number of Engines^1 + 0.000000017 * Location^1*Country^1*Engine Type^1 + 0.000000013 * Location^1*Country^1*FAR Description^1 + -0.000000037 * Location^1*Country^1*Schedule^1 + -0.000000006 * Location^1*Country^1*Purpose of Flight^1 + 0.000000000 * Location^1*Country^1*Air Carrier^1 + -0.000000001 * Location^1*Country^1*Total Fatal Injuries^1 + 0.000000023 * Location^1*Country^1*Total Serious Injuries^1 + -0.000000002 * Location^1*Country^1*Total Minor Injuries^1 + -0.000000000 * Location^1*Country^1*Total Uninjured^1 + 0.000000051 * Location^1*Country^1*Weather Condition^1 + -0.000000000 * Location^1*Country^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Country^1*Report Publication Date^1 + 0.000000000 * Location^1*Country^1*Unnamed: 30^1 + 0.000000000 * Location^1*Latitude^2 + -0.000000000 * Location^1*Latitude^1*Longitude^1 + -0.000000000 * Location^1*Latitude^1*Airport Code^1 + 0.000000000 * Location^1*Latitude^1*Airport Name^1 + -0.000000000 * Location^1*Latitude^1*Injury Severity^1 + 0.000000000 * Location^1*Latitude^1*Aircraft Category^1 + 0.000000000 * Location^1*Latitude^1*Registration Number^1 + -0.000000000 * Location^1*Latitude^1*Make^1 + 0.000000000 * Location^1*Latitude^1*Model^1 + -0.000000000 * Location^1*Latitude^1*Amateur Built^1 + 0.000000000 * Location^1*Latitude^1*Number of Engines^1 + -0.000000000 * Location^1*Latitude^1*Engine Type^1 + 0.000000000 * Location^1*Latitude^1*FAR Description^1 + 0.000000001 * Location^1*Latitude^1*Schedule^1 + 0.000000000 * Location^1*Latitude^1*Purpose of Flight^1 + 0.000000000 * Location^1*Latitude^1*Air Carrier^1 + -0.000000000 * Location^1*Latitude^1*Total Fatal Injuries^1 + 0.000000000 * Location^1*Latitude^1*Total Serious Injuries^1 + 0.000000000 * Location^1*Latitude^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Latitude^1*Total Uninjured^1 + 0.000000000 * Location^1*Latitude^1*Weather Condition^1 + 0.000000000 * Location^1*Latitude^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Latitude^1*Report Publication Date^1 + 0.000000000 * Location^1*Latitude^1*Unnamed: 30^1 + -0.000000000 * Location^1*Longitude^2 + -0.000000000 * Location^1*Longitude^1*Airport Code^1 + 0.000000000 * Location^1*Longitude^1*Airport Name^1 + 0.000000000 * Location^1*Longitude^1*Injury Severity^1 + 0.000000000 * Location^1*Longitude^1*Aircraft Category^1 + 0.000000000 * Location^1*Longitude^1*Registration Number^1 + -0.000000000 * Location^1*Longitude^1*Make^1 + 0.000000000 * Location^1*Longitude^1*Model^1 + 0.000000000 * Location^1*Longitude^1*Amateur Built^1 + 0.000000000 * Location^1*Longitude^1*Number of Engines^1 + 0.000000000 * Location^1*Longitude^1*Engine Type^1 + -0.000000000 *

Location^1*Longitude^1*FAR Description^1 + -0.000000001 * Location^1*Longitude^1*Schedule^1 + -0.000000000 * Location^1*Longitude^1*Purpose of Flight^1 + -0.000000000 * Location^1*Longitude^1*Air Carrier^1 + 0.000000000 * Location^1*Longitude^1*Total Fatal Injuries^1 + 0.000000000 * Location^1*Longitude^1*Total Serious Injuries^1 + -0.000000000 * Location^1*Longitude^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Longitude^1*Total Uninjured^1 + 0.000000000 * Location^1*Longitude^1*Weather Condition^1 + -0.000000000 * Location^1*Longitude^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Longitude^1*Report Publication Date^1 + 0.000000000 * Location^1*Longitude^1*Unnamed: 30^1 + 0.000000000 * Location^1*Airport Code^2 + 0.000000000 * Location^1*Airport Code^1*Airport Name^1 + 0.000000000 * Location^1*Airport Code^1*Injury Severity^1 + -0.000000000 * Location^1*Airport Code^1*Aircraft Category^1 + -0.000000000 * Location^1*Airport Code^1*Registration Number^1 + -0.000000000 * Location^1*Airport Code^1*Make^1 + 0.000000000 * Location^1*Airport Code^1*Model^1 + 0.000000002 * Location^1*Airport Code^1*Amateur Built^1 + 0.000000001 * Location^1*Airport Code^1*Number of Engines^1 + 0.000000000 * Location^1*Airport Code^1*Engine Type^1 + 0.000000000 * Location^1*Airport Code^1*FAR Description^1 + -0.000000000 * Location^1*Airport Code^1*Schedule^1 + -0.000000000 * Location^1*Airport Code^1*Purpose of Flight^1 + -0.000000000 * Location^1*Airport Code^1*Air Carrier^1 + 0.000000000 * Location^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000000 * Location^1*Airport Code^1*Total Serious Injuries^1 + -0.000000000 * Location^1*Airport Code^1*Total Minor Injuries^1 + -0.000000000 * Location^1*Airport Code^1*Total Uninjured^1 + 0.000000001 * Location^1*Airport Code^1*Weather Condition^1 + -0.000000000 * Location^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Location^1*Airport Code^1*Unnamed: 30^1 + 0.000000000 * Location^1*Airport Name^2 + 0.000000000 * Location^1*Airport Name^1*Injury Severity^1 + -0.000000000 * Location^1*Airport Name^1*Aircraft Category^1 + -0.000000000 * Location^1*Airport Name^1*Registration Number^1 + 0.000000000 * Location^1*Airport Name^1*Make^1 + -0.000000000 * Location^1*Airport Name^1*Model^1 + -0.000000000 * Location^1*Airport Name^1*Amateur Built^1 + 0.000000000 * Location^1*Airport Name^1*Number of Engines^1 + 0.000000000 * Location^1*Airport Name^1*Engine Type^1 + 0.000000000 * Location^1*Airport Name^1*FAR Description^1 + -0.000000000 * Location^1*Airport Name^1*Schedule^1 + 0.000000000 * Location^1*Airport Name^1*Purpose of Flight^1 + 0.000000000 * Location^1*Airport Name^1*Air Carrier^1 + 0.000000000 * Location^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000000 * Location^1*Airport Name^1*Total Serious Injuries^1 + 0.000000000 * Location^1*Airport Name^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Airport Name^1*Total Uninjured^1 + -0.000000000 * Location^1*Airport Name^1*Weather Condition^1 + 0.000000000 * Location^1*Airport Name^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Airport Name^1*Report Publication Date^1 + -0.000000000 * Location^1*Airport Name^1*Unnamed: 30^1 + 0.000000000 * Location^1*Injury Severity^2 + -0.000000042 * Location^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Location^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Location^1*Injury Severity^1*Make^1 + -0.000000000 * Location^1*Injury Severity^1*Model^1 + 0.000000009 * Location^1*Injury Severity^1*Amateur Built^1 + -0.000000010 * Location^1*Injury Severity^1*Number of Engines^1 + -0.000000005 * Location^1*Injury Severity^1*Engine Type^1 + 0.000000005 * Location^1*Injury Severity^1*FAR Description^1 + 0.000000019 * Location^1*Injury Severity^1*Schedule^1 + 0.000000006 * Location^1*Injury Severity^1*Purpose of Flight^1 + -0.000000000 * Location^1*Injury Severity^1*Air Carrier^1 + -0.000000028 * Location^1*Injury

Severity^1*Total Fatal Injuries^1 + -0.000000000 * Location^1*Injury Severity^1*Total Serious Injuries^1 + -0.000000002 * Location^1*Injury Severity^1*Total Minor Injuries^1 + 0.000000001 * Location^1*Injury Severity^1*Total Uninjured^1 + -0.000000016 * Location^1*Injury Severity^1*Weather Condition^1 + -0.000000001 * Location^1*Injury Severity^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Injury Severity^1*Report Publication Date^1 + 0.000000000 * Location^1*Injury Severity^1*Unnamed: 30^1 + 0.000000787 * Location^1*Aircraft Category^2 + 0.000000000 * Location^1*Aircraft Category^1*Registration Number^1 + 0.000000000 * Location^1*Aircraft Category^1*Make^1 + 0.000000000 * Location^1*Aircraft Category^1*Model^1 + -0.000003915 * Location^1*Aircraft Category^1*Amateur Built^1 + -0.000001052 * Location^1*Aircraft Category^1*Number of Engines^1 + -0.000000330 * Location^1*Aircraft Category^1*Engine Type^1 + -0.000000113 * Location^1*Aircraft Category^1*FAR Description^1 + 0.000001130 * Location^1*Aircraft Category^1*Schedule^1 + 0.000000101 * Location^1*Aircraft Category^1*Purpose of Flight^1 + -0.000000003 * Location^1*Aircraft Category^1*Air Carrier^1 + -0.000000108 * Location^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000000475 * Location^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000000060 * Location^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000012 * Location^1*Aircraft Category^1*Total Uninjured^1 + 0.000002238 * Location^1*Aircraft Category^1*Weather Condition^1 + -0.000000039 * Location^1*Aircraft Category^1*Broad Phase of Flight^1 + 0.000000001 * Location^1*Aircraft Category^1*Report Publication Date^1 + 0.000000000 * Location^1*Aircraft Category^1*Unnamed: 30^1 + 0.000000000 * Location^1*Registration Number^2 + -0.000000000 * Location^1*Registration Number^1*Make^1 + -0.000000000 * Location^1*Registration Number^1*Model^1 + 0.000000000 * Location^1*Registration Number^1*Amateur Built^1 + 0.000000000 * Location^1*Registration Number^1*Number of Engines^1 + -0.000000000 * Location^1*Registration Number^1*Engine Type^1 + -0.000000000 * Location^1*Registration Number^1*FAR Description^1 + -0.000000000 * Location^1*Registration Number^1*Schedule^1 + 0.000000000 * Location^1*Registration Number^1*Purpose of Flight^1 + -0.000000000 * Location^1*Registration Number^1*Air Carrier^1 + -0.000000000 * Location^1*Registration Number^1*Total Fatal Injuries^1 + -0.000000000 * Location^1*Registration Number^1*Total Serious Injuries^1 + -0.000000000 * Location^1*Registration Number^1*Total Minor Injuries^1 + -0.000000000 * Location^1*Registration Number^1*Total Uninjured^1 + -0.000000000 * Location^1*Registration Number^1*Weather Condition^1 + -0.000000000 * Location^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Registration Number^1*Report Publication Date^1 + 0.000000000 * Location^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Location^1*Make^2 + -0.000000000 * Location^1*Make^1*Model^1 + 0.000000000 * Location^1*Make^1*Amateur Built^1 + -0.000000000 * Location^1*Make^1*Number of Engines^1 + -0.000000000 * Location^1*Make^1*Engine Type^1 + -0.000000000 * Location^1*Make^1*FAR Description^1 + -0.000000001 * Location^1*Make^1*Schedule^1 + -0.000000000 * Location^1*Make^1*Purpose of Flight^1 + 0.000000000 * Location^1*Make^1*Air Carrier^1 + -0.000000000 * Location^1*Make^1*Total Fatal Injuries^1 + -0.000000000 * Location^1*Make^1*Total Serious Injuries^1 + 0.000000000 * Location^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Make^1*Total Uninjured^1 + 0.000000001 * Location^1*Make^1*Weather Condition^1 + -0.000000000 * Location^1*Make^1*Broad Phase of Flight^1 + -0.000000000 * Location^1*Make^1*Report Publication Date^1 + -0.000000000 * Location^1*Make^1*Unnamed: 30^1 + -0.000000000 * Location^1*Model^2 + -0.000000000 * Location^1*Model^1*Amateur Built^1 + -0.000000000 * Location^1*Model^1*Number of Engines^1 + -0.000000000 *

Location^1*Model^1*Engine Type^1 + -0.000000000 * Location^1*Model^1*FAR Description^1 + 0.000000000 * Location^1*Model^1*Schedule^1 + 0.000000000 * Location^1*Model^1*Purpose of Flight^1 + -0.000000000 * Location^1*Model^1*Air Carrier^1 + 0.000000000 * Location^1*Model^1*Total Fatal Injuries^1 + 0.000000000 * Location^1*Model^1*Total Serious Injuries^1 + 0.000000000 * Location^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Model^1*Total Uninjured^1 + -0.000000000 * Location^1*Model^1*Weather Condition^1 + 0.000000000 * Location^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Model^1*Report Publication Date^1 + 0.000000000 * Location^1*Model^1*Unnamed: 30^1 + 0.000004640 * Location^1*Amateur Built^2 + -0.000002119 * Location^1*Amateur Built^1*Number of Engines^1 + -0.000002029 * Location^1*Amateur Built^1*Engine Type^1 + 0.000000125 * Location^1*Amateur Built^1*FAR Description^1 + -0.000002832 * Location^1*Amateur Built^1*Schedule^1 + 0.000000527 * Location^1*Amateur Built^1*Purpose of Flight^1 + -0.000000201 * Location^1*Amateur Built^1*Air Carrier^1 + -0.000000147 * Location^1*Amateur Built^1*Total Fatal Injuries^1 + 0.000001339 * Location^1*Amateur Built^1*Total Serious Injuries^1 + 0.000000117 * Location^1*Amateur Built^1*Total Minor Injuries^1 + -0.000000007 * Location^1*Amateur Built^1*Total Uninjured^1 + -0.000000691 * Location^1*Amateur Built^1*Weather Condition^1 + -0.000000021 * Location^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000002 * Location^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Location^1*Amateur Built^1*Unnamed: 30^1 + 0.000000784 * Location^1*Number of Engines^2 + 0.000000059 * Location^1*Number of Engines^1*Engine Type^1 + -0.000000318 * Location^1*Number of Engines^1*FAR Description^1 + -0.000000529 * Location^1*Number of Engines^1*Schedule^1 + 0.000000065 * Location^1*Number of Engines^1*Purpose of Flight^1 + 0.000000004 * Location^1*Number of Engines^1*Air Carrier^1 + -0.000000014 * Location^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000000222 * Location^1*Number of Engines^1*Total Serious Injuries^1 + -0.000000039 * Location^1*Number of Engines^1*Total Minor Injuries^1 + -0.000000020 * Location^1*Number of Engines^1*Total Uninjured^1 + -0.000000958 * Location^1*Number of Engines^1*Weather Condition^1 + -0.000000121 * Location^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Location^1*Number of Engines^1*Unnamed: 30^1 + -0.000000567 * Location^1*Engine Type^2 + 0.000000101 * Location^1*Engine Type^1*FAR Description^1 + 0.000000071 * Location^1*Engine Type^1*Schedule^1 + -0.000000109 * Location^1*Engine Type^1*Purpose of Flight^1 + 0.000000000 * Location^1*Engine Type^1*Air Carrier^1 + -0.000000008 * Location^1*Engine Type^1*Total Fatal Injuries^1 + -0.000000026 * Location^1*Engine Type^1*Total Serious Injuries^1 + 0.000000017 * Location^1*Engine Type^1*Total Minor Injuries^1 + 0.000000000 * Location^1*Engine Type^1*Total Uninjured^1 + -0.000000454 * Location^1*Engine Type^1*Weather Condition^1 + 0.000000076 * Location^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000000 * Location^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Location^1*Engine Type^1*Unnamed: 30^1 + 0.000000006 * Location^1*FAR Description^2 + -0.000000243 * Location^1*FAR Description^1*Schedule^1 + -0.000000015 * Location^1*FAR Description^1*Purpose of Flight^1 + 0.000000001 * Location^1*FAR Description^1*Air Carrier^1 + 0.000000006 * Location^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000006 * Location^1*FAR Description^1*Total Serious Injuries^1 + -0.000000007 * Location^1*FAR Description^1*Total Minor Injuries^1 + -0.000000001 * Location^1*FAR Description^1*Total Uninjured^1 + -0.000000208 * Location^1*FAR Description^1*Weather Condition^1 + -0.000000015 * Location^1*FAR Description^1*Broad Phase of

Flight^1 + -0.000000000 * Location^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Location^1*FAR Description^1*Unnamed: 30^1 + 0.000001615 * Location^1*Schedule^2 + 0.000000261 * Location^1*Schedule^1*Purpose of Flight^1 + -0.000000009 * Location^1*Schedule^1*Air Carrier^1 + -0.000000045 * Location^1*Schedule^1*Total Fatal Injuries^1 + 0.000000549 * Location^1*Schedule^1*Total Serious Injuries^1 + -0.000000388 * Location^1*Schedule^1*Total Minor Injuries^1 + 0.000000002 * Location^1*Schedule^1*Total Uninjured^1 + 0.000001524 * Location^1*Schedule^1*Weather Condition^1 + 0.000000325 * Location^1*Schedule^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Location^1*Schedule^1*Unnamed: 30^1 + -0.000000006 * Location^1*Purpose of Flight^2 + 0.000000000 * Location^1*Purpose of Flight^1*Air Carrier^1 + 0.000000010 * Location^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000011 * Location^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000009 * Location^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000000003 * Location^1*Purpose of Flight^1*Total Uninjured^1 + -0.000000122 * Location^1*Purpose of Flight^1*Weather Condition^1 + 0.000000022 * Location^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Location^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Location^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Location^1*Air Carrier^2 + 0.000000000 * Location^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000000 * Location^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000001 * Location^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000000 * Location^1*Air Carrier^1*Total Uninjured^1 + 0.000000004 * Location^1*Air Carrier^1*Weather Condition^1 + 0.000000000 * Location^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Location^1*Air Carrier^1*Unnamed: 30^1 + 0.000000038 * Location^1*Total Fatal Injuries^2 + 0.000000002 * Location^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000011 * Location^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000001 * Location^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000005 * Location^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000029 * Location^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Location^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Location^1*Total Fatal Injuries^1*Unnamed: 30^1 + -0.000000067 * Location^1*Total Serious Injuries^2 + 0.000000030 * Location^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000010 * Location^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000000295 * Location^1*Total Serious Injuries^1*Weather Condition^1 + 0.000000116 * Location^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Location^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000006 * Location^1*Total Minor Injuries^2 + -0.000000003 * Location^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000035 * Location^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000043 * Location^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Location^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Location^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000000 * Location^1*Total Uninjured^2 + -0.000000025 * Location^1*Total Uninjured^1*Weather Condition^1 + 0.000000003 * Location^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Location^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Location^1*Total Uninjured^1*Unnamed: 30^1 + -0.000000449 * Location^1*Weather Condition^2 + -0.000000089 * Location^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000001 * Location^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Location^1*Weather Condition^1*Unnamed: 30^1 + 0.000000002 * Location^1*Broad Phase of Flight^2 + 0.000000000 * Location^1*Broad Phase of

Flight^1*Report Publication Date^1 + -0.000000000 * Location^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Location^1*Report Publication Date^2 + 0.000000000 * Location^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Location^1*Unnamed: 30^2 + 0.000000345 * Country^3 + 0.000000010 * Country^2*Latitude^1 + -0.000000003 * Country^2*Longitude^1 + -0.000000009 * Country^2*Airport Code^1 + 0.000000011 * Country^2*Airport Name^1 + -0.000000077 * Country^2*Injury Severity^1 + -0.000009340 * Country^2*Aircraft Category^1 + -0.000000000 * Country^2*Registration Number^1 + 0.000000000 * Country^2*Make^1 + 0.000000001 * Country^2*Model^1 + -0.000045708 * Country^2*Amateur Built^1 + 0.000000274 * Country^2*Number of Engines^1 + 0.000008223 * Country^2*Engine Type^1 + -0.000000693 * Country^2*FAR Description^1 + 0.000011123 * Country^2*Schedule^1 + 0.000002050 * Country^2*Purpose of Flight^1 + -0.000000061 * Country^2*Air Carrier^1 + 0.000000028 * Country^2*Total Fatal Injuries^1 + 0.000000139 * Country^2*Total Serious Injuries^1 + 0.000003784 * Country^2*Total Minor Injuries^1 + -0.000000213 * Country^2*Total Uninjured^1 + -0.000006566 * Country^2*Weather Condition^1 + -0.000006495 * Country^2*Broad Phase of Flight^1 + -0.000000007 * Country^2*Report Publication Date^1 + 0.000000000 * Country^2*Unnamed: 30^1 + 0.000000000 * Country^1*Latitude^2 + -0.000000000 * Country^1*Latitude^1*Longitude^1 + -0.000000000 * Country^1*Latitude^1*Airport Code^1 + 0.000000000 * Country^1*Latitude^1*Airport Name^1 + -0.000000012 * Country^1*Latitude^1*Injury Severity^1 + 0.000000655 * Country^1*Latitude^1*Aircraft Category^1 + -0.000000000 * Country^1*Latitude^1*Registration Number^1 + 0.000000000 * Country^1*Latitude^1*Make^1 + -0.000000000 * Country^1*Latitude^1*Model^1 + 0.000000611 * Country^1*Latitude^1*Amateur Built^1 + 0.000000149 * Country^1*Latitude^1*Number of Engines^1 + 0.000000090 * Country^1*Latitude^1*Engine Type^1 + -0.000000078 * Country^1*Latitude^1*FAR Description^1 + -0.000000436 * Country^1*Latitude^1*Schedule^1 + -0.000000036 * Country^1*Latitude^1*Purpose of Flight^1 + -0.000000007 * Country^1*Latitude^1*Air Carrier^1 + 0.000000007 * Country^1*Latitude^1*Total Fatal Injuries^1 + 0.000000020 * Country^1*Latitude^1*Total Serious Injuries^1 + 0.000000032 * Country^1*Latitude^1*Total Minor Injuries^1 + 0.000000002 * Country^1*Latitude^1*Total Uninjured^1 + 0.000000022 * Country^1*Latitude^1*Weather Condition^1 + -0.000000075 * Country^1*Latitude^1*Broad Phase of Flight^1 + -0.000000000 * Country^1*Latitude^1*Report Publication Date^1 + 0.000000000 * Country^1*Latitude^1*Unnamed: 30^1 + 0.000000000 * Country^1*Longitude^2 + 0.000000000 * Country^1*Longitude^1*Airport Code^1 + 0.000000000 * Country^1*Longitude^1*Airport Name^1 + -0.000000000 * Country^1*Longitude^1*Injury Severity^1 + -0.000000265 * Country^1*Longitude^1*Aircraft Category^1 + 0.000000000 * Country^1*Longitude^1*Registration Number^1 + -0.000000000 * Country^1*Longitude^1*Make^1 + -0.000000000 * Country^1*Longitude^1*Model^1 + -0.000000848 * Country^1*Longitude^1*Amateur Built^1 + 0.000000234 * Country^1*Longitude^1*Number of Engines^1 + -0.000000255 * Country^1*Longitude^1*Engine Type^1 + -0.000000001 * Country^1*Longitude^1*FAR Description^1 + 0.000000239 * Country^1*Longitude^1*Schedule^1 + 0.000000042 * Country^1*Longitude^1*Purpose of Flight^1 + -0.000000005 * Country^1*Longitude^1*Air Carrier^1 + -0.000000005 * Country^1*Longitude^1*Total Fatal Injuries^1 + 0.000000032 * Country^1*Longitude^1*Total Serious Injuries^1 + -0.000000037 * Country^1*Longitude^1*Total Minor Injuries^1 + -0.000000004 * Country^1*Longitude^1*Total Uninjured^1 + 0.000000001 * Country^1*Longitude^1*Weather Condition^1 + 0.000000005 * Country^1*Longitude^1*Broad Phase of Flight^1 + 0.000000000 * Country^1*Longitude^1*Report

Publication Date^1 + -0.000000000 * Country^1*Longitude^1*Unnamed: 30^1 + -0.000000000 * Country^1*Airport Code^2 + 0.000000000 * Country^1*Airport Code^1*Airport Name^1 + -0.000000003 * Country^1*Airport Code^1*Injury Severity^1 + -0.000000644 * Country^1*Airport Code^1*Aircraft Category^1 + -0.000000000 * Country^1*Airport Code^1*Registration Number^1 + -0.000000000 * Country^1*Airport Code^1*Make^1 + 0.000000000 * Country^1*Airport Code^1*Model^1 + -0.000000604 * Country^1*Airport Code^1*Amateur Built^1 + 0.000000293 * Country^1*Airport Code^1*Number of Engines^1 + 0.000000152 * Country^1*Airport Code^1*Engine Type^1 + -0.000000040 * Country^1*Airport Code^1*FAR Description^1 + 0.000000299 * Country^1*Airport Code^1*Schedule^1 + -0.000000041 * Country^1*Airport Code^1*Purpose of Flight^1 + -0.000000000 * Country^1*Airport Code^1*Air Carrier^1 + 0.000000024 * Country^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000122 * Country^1*Airport Code^1*Total Serious Injuries^1 + -0.000000004 * Country^1*Airport Code^1*Total Minor Injuries^1 + 0.000000004 * Country^1*Airport Code^1*Total Uninjured^1 + -0.000000376 * Country^1*Airport Code^1*Weather Condition^1 + 0.000000058 * Country^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000000 * Country^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Country^1*Airport Code^1*Unnamed: 30^1 + 0.000000000 * Country^1*Airport Name^2 + -0.000000002 * Country^1*Airport Name^1*Injury Severity^1 + 0.000000219 * Country^1*Airport Name^1*Aircraft Category^1 + 0.000000000 * Country^1*Airport Name^1*Registration Number^1 + 0.000000000 * Country^1*Airport Name^1*Make^1 + -0.000000000 * Country^1*Airport Name^1*Model^1 + 0.000000614 * Country^1*Airport Name^1*Amateur Built^1 + -0.000000131 * Country^1*Airport Name^1*Number of Engines^1 + 0.000000056 * Country^1*Airport Name^1*Engine Type^1 + 0.000000016 * Country^1*Airport Name^1*FAR Description^1 + 0.000000057 * Country^1*Airport Name^1*Schedule^1 + 0.000000021 * Country^1*Airport Name^1*Purpose of Flight^1 + 0.000000000 * Country^1*Airport Name^1*Air Carrier^1 + -0.000000012 * Country^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000063 * Country^1*Airport Name^1*Total Serious Injuries^1 + 0.000000010 * Country^1*Airport Name^1*Total Minor Injuries^1 + -0.000000000 * Country^1*Airport Name^1*Total Uninjured^1 + 0.000000026 * Country^1*Airport Name^1*Weather Condition^1 + -0.000000035 * Country^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000000 * Country^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Country^1*Airport Name^1*Unnamed: 30^1 + 0.000000099 * Country^1*Injury Severity^2 + -0.000022680 * Country^1*Injury Severity^1*Aircraft Category^1 + -0.000000000 * Country^1*Injury Severity^1*Registration Number^1 + -0.000000003 * Country^1*Injury Severity^1*Make^1 + 0.000000002 * Country^1*Injury Severity^1*Model^1 + -0.000031130 * Country^1*Injury Severity^1*Amateur Built^1 + 0.000017946 * Country^1*Injury Severity^1*Number of Engines^1 + -0.000000892 * Country^1*Injury Severity^1*Engine Type^1 + 0.000000484 * Country^1*Injury Severity^1*FAR Description^1 + 0.000015540 * Country^1*Injury Severity^1*Schedule^1 + -0.000000483 * Country^1*Injury Severity^1*Purpose of Flight^1 + -0.000000005 * Country^1*Injury Severity^1*Air Carrier^1 + 0.000006740 * Country^1*Injury Severity^1*Total Fatal Injuries^1 + 0.000001468 * Country^1*Injury Severity^1*Total Serious Injuries^1 + 0.000001266 * Country^1*Injury Severity^1*Total Minor Injuries^1 + -0.000000060 * Country^1*Injury Severity^1*Total Uninjured^1 + 0.000000987 * Country^1*Injury Severity^1*Weather Condition^1 + 0.000001467 * Country^1*Injury Severity^1*Broad Phase of Flight^1 + 0.000000017 * Country^1*Injury Severity^1*Report Publication Date^1 + 0.000000000 * Country^1*Injury Severity^1*Unnamed: 30^1 + 0.000818916 * Country^1*Aircraft Category^2 + -0.000000008 * Country^1*Aircraft Category^1*Registration Number^1 + 0.000000276 * Country^1*Aircraft

Category^1*Make^1 + -0.000000212 * Country^1*Aircraft Category^1*Model^1 + 0.000920137 * Country^1*Aircraft Category^1*Amateur Built^1 + 0.001322821 * Country^1*Aircraft Category^1*Number of Engines^1 + -0.001033439 * Country^1*Aircraft Category^1*Engine Type^1 + -0.000279130 * Country^1*Aircraft Category^1*FAR Description^1 + 0.000989844 * Country^1*Aircraft Category^1*Schedule^1 + -0.000121617 * Country^1*Aircraft Category^1*Purpose of Flight^1 + -0.000000721 * Country^1*Aircraft Category^1*Air Carrier^1 + 0.000036947 * Country^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000152783 * Country^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000050311 * Country^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000012647 * Country^1*Aircraft Category^1*Total Uninjured^1 + 0.000896887 * Country^1*Aircraft Category^1*Weather Condition^1 + 0.000654629 * Country^1*Aircraft Category^1*Broad Phase of Flight^1 + 0.000000481 * Country^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Country^1*Aircraft Category^1*Unnamed: 30^1 + 0.000000000 * Country^1*Registration Number^2 + -0.000000000 * Country^1*Registration Number^1*Make^1 + 0.000000000 * Country^1*Registration Number^1*Model^1 + 0.000000026 * Country^1*Registration Number^1*Amateur Built^1 + -0.000000015 * Country^1*Registration Number^1*Number of Engines^1 + -0.000000005 * Country^1*Registration Number^1*Engine Type^1 + -0.000000001 * Country^1*Registration Number^1*FAR Description^1 + -0.000000005 * Country^1*Registration Number^1*Schedule^1 + 0.000000000 * Country^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Country^1*Registration Number^1*Air Carrier^1 + 0.000000000 * Country^1*Registration Number^1*Total Fatal Injuries^1 + -0.000000001 * Country^1*Registration Number^1*Total Serious Injuries^1 + 0.000000000 * Country^1*Registration Number^1*Total Minor Injuries^1 + 0.000000000 * Country^1*Registration Number^1*Total Uninjured^1 + 0.000000008 * Country^1*Registration Number^1*Weather Condition^1 + -0.000000003 * Country^1*Registration Number^1*Broad Phase of Flight^1 + -0.000000000 * Country^1*Registration Number^1*Report Publication Date^1 + 0.000000000 * Country^1*Registration Number^1*Unnamed: 30^1 + 0.000000000 * Country^1*Make^2 + 0.000000000 * Country^1*Make^1*Model^1 + 0.000000372 * Country^1*Make^1*Amateur Built^1 + 0.000000204 * Country^1*Make^1*Number of Engines^1 + 0.000000038 * Country^1*Make^1*Engine Type^1 + 0.000000006 * Country^1*Make^1*FAR Description^1 + -0.000000137 * Country^1*Make^1*Schedule^1 + -0.000000040 * Country^1*Make^1*Purpose of Flight^1 + -0.000000000 * Country^1*Make^1*Air Carrier^1 + -0.000000014 * Country^1*Make^1*Total Fatal Injuries^1 + -0.000000019 * Country^1*Make^1*Total Serious Injuries^1 + -0.000000035 * Country^1*Make^1*Total Minor Injuries^1 + -0.000000001 * Country^1*Make^1*Total Uninjured^1 + -0.000000203 * Country^1*Make^1*Weather Condition^1 + 0.000000055 * Country^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Country^1*Make^1*Report Publication Date^1 + -0.000000000 * Country^1*Make^1*Unnamed: 30^1 + -0.000000000 * Country^1*Model^2 + -0.000000198 * Country^1*Model^1*Amateur Built^1 + -0.000000197 * Country^1*Model^1*Number of Engines^1 + -0.000000030 * Country^1*Model^1*Engine Type^1 + -0.000000002 * Country^1*Model^1*FAR Description^1 + -0.000000113 * Country^1*Model^1*Schedule^1 + 0.000000022 * Country^1*Model^1*Purpose of Flight^1 + -0.000000000 * Country^1*Model^1*Air Carrier^1 + 0.000000002 * Country^1*Model^1*Total Fatal Injuries^1 + 0.000000025 * Country^1*Model^1*Total Serious Injuries^1 + -0.000000010 * Country^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Country^1*Model^1*Total Uninjured^1 + 0.000000067 * Country^1*Model^1*Weather Condition^1 + -0.000000038 * Country^1*Model^1*Broad Phase of Flight^1 + -0.000000000 * Country^1*Model^1*Report Publication Date^1 + -0.000000000 * Country^1*Model^1*Unnamed: 30^1

+ 0.002230532 * Country^1*Amateur Built^2 + -0.001379859 * Country^1*Amateur Built^1*Number of Engines^1 + 0.000494094 * Country^1*Amateur Built^1*Engine Type^1 + -0.000440300 * Country^1*Amateur Built^1*FAR Description^1 + -0.001611429 * Country^1*Amateur Built^1*Schedule^1 + -0.000033065 * Country^1*Amateur Built^1*Purpose of Flight^1 + 0.000013628 * Country^1*Amateur Built^1*Air Carrier^1 + -0.000049413 * Country^1*Amateur Built^1*Total Fatal Injuries^1 + 0.000290283 * Country^1*Amateur Built^1*Total Serious Injuries^1 + -0.000200294 * Country^1*Amateur Built^1*Total Minor Injuries^1 + 0.000015058 * Country^1*Amateur Built^1*Total Uninjured^1 + 0.000114289 * Country^1*Amateur Built^1*Weather Condition^1 + -0.000159087 * Country^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000003691 * Country^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Country^1*Amateur Built^1*Unnamed: 30^1 + -0.000090713 * Country^1*Number of Engines^2 + -0.000137744 * Country^1*Number of Engines^1*Engine Type^1 + -0.000045400 * Country^1*Number of Engines^1*FAR Description^1 + -0.000154802 * Country^1*Number of Engines^1*Schedule^1 + -0.000004028 * Country^1*Number of Engines^1*Purpose of Flight^1 + -0.000000456 * Country^1*Number of Engines^1*Air Carrier^1 + -0.000008518 * Country^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000012453 * Country^1*Number of Engines^1*Total Serious Injuries^1 + -0.000021129 * Country^1*Number of Engines^1*Total Minor Injuries^1 + -0.000000967 * Country^1*Number of Engines^1*Total Uninjured^1 + 0.000075041 * Country^1*Number of Engines^1*Weather Condition^1 + 0.000057942 * Country^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000526 * Country^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Country^1*Number of Engines^1*Unnamed: 30^1 + 0.000159213 * Country^1*Engine Type^2 + 0.000032612 * Country^1*Engine Type^1*FAR Description^1 + -0.000175519 * Country^1*Engine Type^1*Schedule^1 + -0.000018257 * Country^1*Engine Type^1*Purpose of Flight^1 + -0.000000105 * Country^1*Engine Type^1*Air Carrier^1 + 0.000000950 * Country^1*Engine Type^1*Total Fatal Injuries^1 + 0.000058019 * Country^1*Engine Type^1*Total Serious Injuries^1 + -0.000019352 * Country^1*Engine Type^1*Total Minor Injuries^1 + 0.000001529 * Country^1*Engine Type^1*Total Uninjured^1 + -0.000256866 * Country^1*Engine Type^1*Weather Condition^1 + 0.000078112 * Country^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000014 * Country^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Country^1*Engine Type^1*Unnamed: 30^1 + 0.000009944 * Country^1*FAR Description^2 + 0.000050417 * Country^1*FAR Description^1*Schedule^1 + 0.000007352 * Country^1*FAR Description^1*Purpose of Flight^1 + 0.000000029 * Country^1*FAR Description^1*Air Carrier^1 + -0.000000946 * Country^1*FAR Description^1*Total Fatal Injuries^1 + 0.000032292 * Country^1*FAR Description^1*Total Serious Injuries^1 + 0.000013106 * Country^1*FAR Description^1*Total Minor Injuries^1 + -0.000000284 * Country^1*FAR Description^1*Total Uninjured^1 + 0.000148781 * Country^1*FAR Description^1*Weather Condition^1 + -0.000062991 * Country^1*FAR Description^1*Broad Phase of Flight^1 + 0.000000068 * Country^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Country^1*FAR Description^1*Unnamed: 30^1 + 0.000550375 * Country^1*Schedule^2 + -0.000010629 * Country^1*Schedule^1*Purpose of Flight^1 + -0.000000898 * Country^1*Schedule^1*Air Carrier^1 + -0.000000780 * Country^1*Schedule^1*Total Fatal Injuries^1 + 0.000001602 * Country^1*Schedule^1*Total Serious Injuries^1 + 0.000060050 * Country^1*Schedule^1*Total Minor Injuries^1 + -0.000004367 * Country^1*Schedule^1*Total Uninjured^1 + -0.000338279 * Country^1*Schedule^1*Weather Condition^1 + -0.000237815 * Country^1*Schedule^1*Broad Phase of Flight^1 + 0.000000118 * Country^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Country^1*Schedule^1*Unnamed:

30^1 + -0.000012908 * Country^1*Purpose of Flight^2 + 0.000000128 * Country^1*Purpose of Flight^1*Air Carrier^1 + 0.000000339 * Country^1*Purpose of Flight^1*Total Fatal Injuries^1 + -0.000009039 * Country^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000001642 * Country^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000019 * Country^1*Purpose of Flight^1*Total Uninjured^1 + 0.000032002 * Country^1*Purpose of Flight^1*Weather Condition^1 + -0.000005626 * Country^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000052 * Country^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Country^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000004 * Country^1*Air Carrier^2 + 0.000000059 * Country^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000030 * Country^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000043 * Country^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000016 * Country^1*Air Carrier^1*Total Uninjured^1 + -0.000000946 * Country^1*Air Carrier^1*Weather Condition^1 + 0.000000201 * Country^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000002 * Country^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Country^1*Air Carrier^1*Unnamed: 30^1 + -0.000007733 * Country^1*Total Fatal Injuries^2 + 0.000002253 * Country^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000004281 * Country^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000000788 * Country^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000003561 * Country^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000003500 * Country^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000004 * Country^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Country^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000009295 * Country^1*Total Serious Injuries^2 + -0.000007790 * Country^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000659 * Country^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000081727 * Country^1*Total Serious Injuries^1*Weather Condition^1 + -0.000008907 * Country^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000047 * Country^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Country^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000001807 * Country^1*Total Minor Injuries^2 + -0.000000937 * Country^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000021063 * Country^1*Total Minor Injuries^1*Weather Condition^1 + -0.000009027 * Country^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000089 * Country^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Country^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000076 * Country^1*Total Uninjured^2 + -0.000002606 * Country^1*Total Uninjured^1*Weather Condition^1 + -0.000001979 * Country^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000001 * Country^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Country^1*Total Uninjured^1*Unnamed: 30^1 + -0.000301471 * Country^1*Weather Condition^2 + -0.000008734 * Country^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000285 * Country^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Country^1*Weather Condition^1*Unnamed: 30^1 + -0.000025564 * Country^1*Broad Phase of Flight^2 + 0.000000002 * Country^1*Broad Phase of Flight^1*Report Publication Date^1 + -0.000000000 * Country^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Country^1*Report Publication Date^2 + -0.000000000 * Country^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Country^1*Unnamed: 30^2 + 0.000000000 * Latitude^3 + 0.000000000 * Latitude^2*Longitude^1 + 0.000000000 * Latitude^2*Airport Code^1 + -0.000000000 * Latitude^2*Airport Name^1 + -0.000000000 * Latitude^2*Injury Severity^1 + -0.000000000 * Latitude^2*Aircraft Category^1 + 0.000000000 * Latitude^2*Registration Number^1 + -0.000000000 * Latitude^2*Make^1 + 0.000000000 * Latitude^2*Model^1 + 0.000000001 * Latitude^2*Amateur Built^1 + 0.000000001 * Latitude^2*Number of Engines^1 + -0.000000001 * Latitude^2*Engine Type^1 + 0.000000000 *

Latitude^2*FAR Description^1 + 0.000000006 * Latitude^2*Schedule^1 + -0.000000001 * Latitude^2*Purpose of Flight^1 + -0.000000000 * Latitude^2*Air Carrier^1 + -0.000000000 * Latitude^2*Total Fatal Injuries^1 + -0.000000000 * Latitude^2*Total Serious Injuries^1 + 0.000000000 * Latitude^2*Total Minor Injuries^1 + 0.000000000 * Latitude^2*Total Uninjured^1 + 0.000000001 * Latitude^2*Weather Condition^1 + 0.000000000 * Latitude^2*Broad Phase of Flight^1 + -0.000000000 * Latitude^2*Report Publication Date^1 + 0.000000000 * Latitude^2*Unnamed: 30^1 + -0.000000000 * Latitude^1*Longitude^2 + -0.000000000 * Latitude^1*Longitude^1*Airport Code^1 + 0.000000000 * Latitude^1*Longitude^1*Airport Name^1 + 0.000000000 * Latitude^1*Longitude^1*Injury Severity^1 + -0.000000002 * Latitude^1*Longitude^1*Aircraft Category^1 + -0.000000000 * Latitude^1*Longitude^1*Registration Number^1 + 0.000000000 * Latitude^1*Longitude^1*Make^1 + -0.000000000 * Latitude^1*Longitude^1*Model^1 + 0.000000003 * Latitude^1*Longitude^1*Amateur Built^1 + -0.000000001 * Latitude^1*Longitude^1*Number of Engines^1 + -0.000000000 * Latitude^1*Longitude^1*Engine Type^1 + 0.000000000 * Latitude^1*Longitude^1*FAR Description^1 + -0.000000001 * Latitude^1*Longitude^1*Schedule^1 + 0.000000000 * Latitude^1*Longitude^1*Purpose of Flight^1 + 0.000000000 * Latitude^1*Longitude^1*Air Carrier^1 + 0.000000000 * Latitude^1*Longitude^1*Total Fatal Injuries^1 + -0.000000001 * Latitude^1*Longitude^1*Total Serious Injuries^1 + 0.000000000 * Latitude^1*Longitude^1*Total Minor Injuries^1 + -0.000000000 * Latitude^1*Longitude^1*Total Uninjured^1 + 0.000000002 * Latitude^1*Longitude^1*Weather Condition^1 + -0.000000000 * Latitude^1*Longitude^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Longitude^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Longitude^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Airport Code^2 + 0.000000000 * Latitude^1*Airport Code^1*Airport Name^1 + 0.000000000 * Latitude^1*Airport Code^1*Injury Severity^1 + -0.000000003 * Latitude^1*Airport Code^1*Aircraft Category^1 + -0.000000000 * Latitude^1*Airport Code^1*Registration Number^1 + 0.000000000 * Latitude^1*Airport Code^1*Make^1 + 0.000000000 * Latitude^1*Airport Code^1*Model^1 + 0.000000002 * Latitude^1*Airport Code^1*Amateur Built^1 + -0.000000008 * Latitude^1*Airport Code^1*Number of Engines^1 + -0.000000001 * Latitude^1*Airport Code^1*Engine Type^1 + 0.000000000 * Latitude^1*Airport Code^1*FAR Description^1 + -0.000000010 * Latitude^1*Airport Code^1*Schedule^1 + -0.000000000 * Latitude^1*Airport Code^1*Purpose of Flight^1 + 0.000000000 * Latitude^1*Airport Code^1*Air Carrier^1 + 0.000000000 * Latitude^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000001 * Latitude^1*Airport Code^1*Total Serious Injuries^1 + -0.000000000 * Latitude^1*Airport Code^1*Total Minor Injuries^1 + -0.000000000 * Latitude^1*Airport Code^1*Total Uninjured^1 + -0.000000002 * Latitude^1*Airport Code^1*Weather Condition^1 + -0.000000000 * Latitude^1*Airport Code^1*Broad Phase of Flight^1 + 0.000000000 * Latitude^1*Airport Code^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Airport Code^1*Unnamed: 30^1 + -0.000000000 * Latitude^1*Airport Name^2 + -0.000000000 * Latitude^1*Airport Name^1*Injury Severity^1 + 0.000000000 * Latitude^1*Airport Name^1*Aircraft Category^1 + 0.000000000 * Latitude^1*Airport Name^1*Registration Number^1 + 0.000000000 * Latitude^1*Airport Name^1*Make^1 + 0.000000000 * Latitude^1*Airport Name^1*Model^1 + -0.000000001 * Latitude^1*Airport Name^1*Amateur Built^1 + 0.000000001 * Latitude^1*Airport Name^1*Number of Engines^1 + 0.000000001 * Latitude^1*Airport Name^1*Engine Type^1 + -0.000000000 * Latitude^1*Airport Name^1*FAR Description^1 + 0.000000005 * Latitude^1*Airport Name^1*Schedule^1 + 0.000000000 * Latitude^1*Airport Name^1*Purpose of Flight^1 + -0.000000000 * Latitude^1*Airport Name^1*Air Carrier^1 + -0.000000000 * Latitude^1*Airport Name^1*Total Fatal

Injuries^1 + -0.000000000 * Latitude^1*Airport Name^1*Total Serious Injuries^1 + -0.000000000 * Latitude^1*Airport Name^1*Total Minor Injuries^1 + 0.000000000 * Latitude^1*Airport Name^1*Total Uninjured^1 + 0.000000002 * Latitude^1*Airport Name^1*Weather Condition^1 + -0.000000000 * Latitude^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Airport Name^1*Unnamed: 30^1 + -0.000000346 * Latitude^1*Injury Severity^2 + -0.000000343 * Latitude^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Latitude^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Latitude^1*Injury Severity^1*Make^1 + -0.000000000 * Latitude^1*Injury Severity^1*Model^1 + -0.000000129 * Latitude^1*Injury Severity^1*Amateur Built^1 + 0.000000031 * Latitude^1*Injury Severity^1*Number of Engines^1 + 0.000000096 * Latitude^1*Injury Severity^1*Engine Type^1 + 0.000000019 * Latitude^1*Injury Severity^1*FAR Description^1 + -0.000000406 * Latitude^1*Injury Severity^1*Schedule^1 + 0.000000032 * Latitude^1*Injury Severity^1*Purpose of Flight^1 + -0.000000000 * Latitude^1*Injury Severity^1*Air Carrier^1 + 0.000000518 * Latitude^1*Injury Severity^1*Total Fatal Injuries^1 + 0.000000009 * Latitude^1*Injury Severity^1*Total Serious Injuries^1 + 0.000000045 * Latitude^1*Injury Severity^1*Total Minor Injuries^1 + -0.000000007 * Latitude^1*Injury Severity^1*Total Uninjured^1 + 0.000000189 * Latitude^1*Injury Severity^1*Weather Condition^1 + -0.000000028 * Latitude^1*Injury Severity^1*Broad Phase of Flight^1 + 0.000000000 * Latitude^1*Injury Severity^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Injury Severity^1*Unnamed: 30^1 + -0.000003136 * Latitude^1*Aircraft Category^2 + 0.000000000 * Latitude^1*Aircraft Category^1*Registration Number^1 + 0.000000003 * Latitude^1*Aircraft Category^1*Make^1 + 0.000000000 * Latitude^1*Aircraft Category^1*Model^1 + 0.000001925 * Latitude^1*Aircraft Category^1*Amateur Built^1 + 0.000003044 * Latitude^1*Aircraft Category^1*Number of Engines^1 + -0.000003023 * Latitude^1*Aircraft Category^1*Engine Type^1 + -0.000006794 * Latitude^1*Aircraft Category^1*FAR Description^1 + 0.000007706 * Latitude^1*Aircraft Category^1*Schedule^1 + 0.000000037 * Latitude^1*Aircraft Category^1*Purpose of Flight^1 + -0.000000051 * Latitude^1*Aircraft Category^1*Air Carrier^1 + -0.000000287 * Latitude^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000002237 * Latitude^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000000749 * Latitude^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000022 * Latitude^1*Aircraft Category^1*Total Uninjured^1 + -0.000003931 * Latitude^1*Aircraft Category^1*Weather Condition^1 + -0.000001527 * Latitude^1*Aircraft Category^1*Broad Phase of Flight^1 + 0.000000003 * Latitude^1*Aircraft Category^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Aircraft Category^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Registration Number^2 + 0.000000000 * Latitude^1*Registration Number^1*Make^1 + -0.000000000 * Latitude^1*Registration Number^1*Model^1 + 0.000000000 * Latitude^1*Registration Number^1*Amateur Built^1 + -0.000000000 * Latitude^1*Registration Number^1*Number of Engines^1 + 0.000000000 * Latitude^1*Registration Number^1*Engine Type^1 + -0.000000000 * Latitude^1*Registration Number^1*FAR Description^1 + 0.000000001 * Latitude^1*Registration Number^1*Schedule^1 + 0.000000000 * Latitude^1*Registration Number^1*Purpose of Flight^1 + -0.000000000 * Latitude^1*Registration Number^1*Air Carrier^1 + -0.000000000 * Latitude^1*Registration Number^1*Total Fatal Injuries^1 + 0.000000000 * Latitude^1*Registration Number^1*Total Serious Injuries^1 + -0.000000000 * Latitude^1*Registration Number^1*Total Minor Injuries^1 + -0.000000000 * Latitude^1*Registration Number^1*Total Uninjured^1 + 0.000000000 * Latitude^1*Registration Number^1*Weather Condition^1 + 0.000000000 * Latitude^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Latitude^1*Registration Number^1*Report Publication Date^1 + -

0.000000000 * Latitude^1*Registration Number^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Make^2 + 0.000000000 * Latitude^1*Make^1*Model^1 + -0.000000012 * Latitude^1*Make^1*Amateur Built^1 + -0.000000007 * Latitude^1*Make^1*Number of Engines^1 + 0.000000000 * Latitude^1*Make^1*Engine Type^1 + -0.000000000 * Latitude^1*Make^1*FAR Description^1 + 0.000000017 * Latitude^1*Make^1*Schedule^1 + 0.000000001 * Latitude^1*Make^1*Purpose of Flight^1 + -0.000000000 * Latitude^1*Make^1*Air Carrier^1 + 0.000000000 * Latitude^1*Make^1*Total Fatal Injuries^1 + 0.000000000 * Latitude^1*Make^1*Total Serious Injuries^1 + -0.000000000 * Latitude^1*Make^1*Total Minor Injuries^1 + -0.000000000 * Latitude^1*Make^1*Total Uninjured^1 + 0.000000003 * Latitude^1*Make^1*Weather Condition^1 + -0.000000000 * Latitude^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Latitude^1*Make^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Make^1*Unnamed: 30^1 + -0.000000000 * Latitude^1*Model^2 + 0.000000001 * Latitude^1*Model^1*Amateur Built^1 + 0.000000001 * Latitude^1*Model^1*Number of Engines^1 + 0.000000001 * Latitude^1*Model^1*Engine Type^1 + -0.000000000 * Latitude^1*Model^1*FAR Description^1 + -0.000000004 * Latitude^1*Model^1*Schedule^1 + -0.000000000 * Latitude^1*Model^1*Purpose of Flight^1 + 0.000000000 * Latitude^1*Model^1*Air Carrier^1 + -0.000000000 * Latitude^1*Model^1*Total Fatal Injuries^1 + 0.000000000 * Latitude^1*Model^1*Total Serious Injuries^1 + -0.000000000 * Latitude^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Latitude^1*Model^1*Total Uninjured^1 + 0.000000001 * Latitude^1*Model^1*Weather Condition^1 + 0.000000000 * Latitude^1*Model^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Model^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Model^1*Unnamed: 30^1 + -0.000037405 * Latitude^1*Amateur Built^2 + 0.000011782 * Latitude^1*Amateur Built^1*Number of Engines^1 + -0.000027700 * Latitude^1*Amateur Built^1*Engine Type^1 + -0.000000177 * Latitude^1*Amateur Built^1*FAR Description^1 + 0.000159246 * Latitude^1*Amateur Built^1*Schedule^1 + 0.000001465 * Latitude^1*Amateur Built^1*Purpose of Flight^1 + 0.000000491 * Latitude^1*Amateur Built^1*Air Carrier^1 + -0.000000535 * Latitude^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000006798 * Latitude^1*Amateur Built^1*Total Serious Injuries^1 + -0.000001412 * Latitude^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000106 * Latitude^1*Amateur Built^1*Total Uninjured^1 + 0.000015098 * Latitude^1*Amateur Built^1*Weather Condition^1 + -0.000000337 * Latitude^1*Amateur Built^1*Broad Phase of Flight^1 + 0.000000022 * Latitude^1*Amateur Built^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Amateur Built^1*Unnamed: 30^1 + -0.000002745 * Latitude^1*Number of Engines^2 + 0.000000832 * Latitude^1*Number of Engines^1*Engine Type^1 + 0.000000899 * Latitude^1*Number of Engines^1*FAR Description^1 + -0.000017195 * Latitude^1*Number of Engines^1*Schedule^1 + 0.000001146 * Latitude^1*Number of Engines^1*Purpose of Flight^1 + 0.000000035 * Latitude^1*Number of Engines^1*Air Carrier^1 + -0.000000167 * Latitude^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000001040 * Latitude^1*Number of Engines^1*Total Serious Injuries^1 + 0.000001955 * Latitude^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000112 * Latitude^1*Number of Engines^1*Total Uninjured^1 + -0.000004863 * Latitude^1*Number of Engines^1*Weather Condition^1 + -0.000002957 * Latitude^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000010 * Latitude^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Number of Engines^1*Unnamed: 30^1 + 0.000000672 * Latitude^1*Engine Type^2 + 0.000000780 * Latitude^1*Engine Type^1*FAR Description^1 + 0.000009600 * Latitude^1*Engine Type^1*Schedule^1 + 0.000000263 * Latitude^1*Engine Type^1*Purpose of Flight^1 + 0.000000002 * Latitude^1*Engine Type^1*Air

Carrier^1 + 0.000000060 * Latitude^1*Engine Type^1*Total Fatal Injuries^1 + -0.000000017 * Latitude^1*Engine Type^1*Total Serious Injuries^1 + -0.000000318 * Latitude^1*Engine Type^1*Total Minor Injuries^1 + -0.000000100 * Latitude^1*Engine Type^1*Total Uninjured^1 + 0.000002584 * Latitude^1*Engine Type^1*Weather Condition^1 + -0.000001180 * Latitude^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000005 * Latitude^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Engine Type^1*Unnamed: 30^1 + 0.000000473 * Latitude^1*FAR Description^2 + -0.000001073 * Latitude^1*FAR Description^1*Schedule^1 + 0.000000084 * Latitude^1*FAR Description^1*Purpose of Flight^1 + 0.000000004 * Latitude^1*FAR Description^1*Air Carrier^1 + -0.000000076 * Latitude^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000231 * Latitude^1*FAR Description^1*Total Serious Injuries^1 + 0.000000225 * Latitude^1*FAR Description^1*Total Minor Injuries^1 + -0.000000002 * Latitude^1*FAR Description^1*Total Uninjured^1 + 0.000001513 * Latitude^1*FAR Description^1*Weather Condition^1 + 0.000000171 * Latitude^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Latitude^1*FAR Description^1*Unnamed: 30^1 + -0.000022502 * Latitude^1*Schedule^2 + 0.000001309 * Latitude^1*Schedule^1*Purpose of Flight^1 + -0.000000027 * Latitude^1*Schedule^1*Air Carrier^1 + -0.000000235 * Latitude^1*Schedule^1*Total Fatal Injuries^1 + 0.000005668 * Latitude^1*Schedule^1*Total Serious Injuries^1 + -0.000003808 * Latitude^1*Schedule^1*Total Minor Injuries^1 + 0.000000193 * Latitude^1*Schedule^1*Total Uninjured^1 + -0.000015014 * Latitude^1*Schedule^1*Weather Condition^1 + 0.000006185 * Latitude^1*Schedule^1*Broad Phase of Flight^1 + 0.000000016 * Latitude^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Schedule^1*Unnamed: 30^1 + -0.000000035 * Latitude^1*Purpose of Flight^2 + -0.000000046 * Latitude^1*Purpose of Flight^1*Air Carrier^1 + 0.000000028 * Latitude^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000089 * Latitude^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000000346 * Latitude^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000000022 * Latitude^1*Purpose of Flight^1*Total Uninjured^1 + -0.000000987 * Latitude^1*Purpose of Flight^1*Weather Condition^1 + 0.000000310 * Latitude^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000000 * Latitude^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Air Carrier^2 + -0.000000003 * Latitude^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000011 * Latitude^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000005 * Latitude^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Latitude^1*Air Carrier^1*Total Uninjured^1 + 0.000000011 * Latitude^1*Air Carrier^1*Weather Condition^1 + 0.000000006 * Latitude^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Air Carrier^1*Unnamed: 30^1 + -0.000000245 * Latitude^1*Total Fatal Injuries^2 + 0.000000077 * Latitude^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000191 * Latitude^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000029 * Latitude^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000114 * Latitude^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000067 * Latitude^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Total Fatal Injuries^1*Unnamed: 30^1 + -0.000000645 * Latitude^1*Total Serious Injuries^2 + -0.000000058 * Latitude^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000157 * Latitude^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000001275 * Latitude^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000059 * Latitude^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000003 * Latitude^1*Total Serious Injuries^1*Report

Publication Date^1 + 0.000000000 * Latitude^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000001 * Latitude^1*Total Minor Injuries^2 + -0.000000012 * Latitude^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000000406 * Latitude^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000029 * Latitude^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000003 * Latitude^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000001 * Latitude^1*Total Uninjured^2 + -0.000000122 * Latitude^1*Total Uninjured^1*Weather Condition^1 + -0.000000017 * Latitude^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Latitude^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Total Uninjured^1*Unnamed: 30^1 + 0.000008970 * Latitude^1*Weather Condition^2 + 0.000001232 * Latitude^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000006 * Latitude^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Latitude^1*Weather Condition^1*Unnamed: 30^1 + 0.000000219 * Latitude^1*Broad Phase of Flight^2 + 0.000000000 * Latitude^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Latitude^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Report Publication Date^2 + 0.000000000 * Latitude^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Latitude^1*Unnamed: 30^2 + -0.000000000 * Longitude^3 + -0.000000000 * Longitude^2*Airport Code^1 + 0.000000000 * Longitude^2*Airport Name^1 + 0.000000000 * Longitude^2*Injury Severity^1 + -0.000000000 * Longitude^2*Aircraft Category^1 + -0.000000000 * Longitude^2*Registration Number^1 + -0.000000000 * Longitude^2*Make^1 + -0.000000000 * Longitude^2*Model^1 + -0.000000007 * Longitude^2*Amateur Built^1 + 0.000000000 * Longitude^2*Number of Engines^1 + -0.000000001 * Longitude^2*Engine Type^1 + 0.000000000 * Longitude^2*FAR Description^1 + 0.000000005 * Longitude^2*Schedule^1 + 0.000000000 * Longitude^2*Purpose of Flight^1 + -0.000000000 * Longitude^2*Air Carrier^1 + -0.000000000 * Longitude^2*Total Fatal Injuries^1 + -0.000000000 * Longitude^2*Total Serious Injuries^1 + -0.000000000 * Longitude^2*Total Minor Injuries^1 + 0.000000000 * Longitude^2*Total Uninjured^1 + -0.000000000 * Longitude^2*Weather Condition^1 + -0.000000001 * Longitude^2*Broad Phase of Flight^1 + 0.000000000 * Longitude^2*Report Publication Date^1 + -0.000000000 * Longitude^2*Unnamed: 30^1 + 0.000000000 * Longitude^1*Airport Code^2 + -0.000000000 * Longitude^1*Airport Code^1*Airport Name^1 + 0.000000000 * Longitude^1*Airport Code^1*Injury Severity^1 + 0.000000002 * Longitude^1*Airport Code^1*Aircraft Category^1 + 0.000000000 * Longitude^1*Airport Code^1*Registration Number^1 + 0.000000000 * Longitude^1*Airport Code^1*Make^1 + -0.000000000 * Longitude^1*Airport Code^1*Model^1 + -0.000000003 * Longitude^1*Airport Code^1*Amateur Built^1 + 0.000000001 * Longitude^1*Airport Code^1*Number of Engines^1 + -0.000000001 * Longitude^1*Airport Code^1*Engine Type^1 + -0.000000000 * Longitude^1*Airport Code^1*FAR Description^1 + 0.000000008 * Longitude^1*Airport Code^1*Schedule^1 + 0.000000000 * Longitude^1*Airport Code^1*Purpose of Flight^1 + -0.000000000 * Longitude^1*Airport Code^1*Air Carrier^1 + -0.000000000 * Longitude^1*Airport Code^1*Total Fatal Injuries^1 + 0.000000000 * Longitude^1*Airport Code^1*Total Serious Injuries^1 + 0.000000000 * Longitude^1*Airport Code^1*Total Minor Injuries^1 + 0.000000000 * Longitude^1*Airport Code^1*Total Uninjured^1 + -0.000000001 * Longitude^1*Airport Code^1*Weather Condition^1 + -0.000000000 * Longitude^1*Airport Code^1*Broad Phase of Flight^1 + -0.000000000 * Longitude^1*Airport Code^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Airport Code^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Airport Name^2 + -0.000000000 * Longitude^1*Airport Name^1*Injury Severity^1 + -0.000000001 * Longitude^1*Airport Name^1*Aircraft Category^1 + -0.000000000 *

Longitude^1*Airport Name^1*Registration Number^1 + 0.000000000 * Longitude^1*Airport Name^1*Make^1 + -0.000000000 * Longitude^1*Airport Name^1*Model^1 + -0.000000000 * Longitude^1*Airport Name^1*Amateur Built^1 + -0.000000000 * Longitude^1*Airport Name^1*Number of Engines^1 + 0.000000000 * Longitude^1*Airport Name^1*Engine Type^1 + 0.000000000 * Longitude^1*Airport Name^1*FAR Description^1 + -0.000000004 * Longitude^1*Airport Name^1*Schedule^1 + -0.000000000 * Longitude^1*Airport Name^1*Purpose of Flight^1 + 0.000000000 * Longitude^1*Airport Name^1*Air Carrier^1 + 0.000000000 * Longitude^1*Airport Name^1*Total Fatal Injuries^1 + 0.000000000 * Longitude^1*Airport Name^1*Total Serious Injuries^1 + 0.000000000 * Longitude^1*Airport Name^1*Total Minor Injuries^1 + 0.000000000 * Longitude^1*Airport Name^1*Total Uninjured^1 + -0.000000002 * Longitude^1*Airport Name^1*Weather Condition^1 + 0.000000000 * Longitude^1*Airport Name^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Airport Name^1*Unnamed: 30^1 + 0.000000214 * Longitude^1*Injury Severity^2 + 0.000000235 * Longitude^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Longitude^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Longitude^1*Injury Severity^1*Make^1 + 0.000000000 * Longitude^1*Injury Severity^1*Model^1 + 0.000000027 * Longitude^1*Injury Severity^1*Amateur Built^1 + 0.000000027 * Longitude^1*Injury Severity^1*Number of Engines^1 + -0.000000023 * Longitude^1*Injury Severity^1*Engine Type^1 + -0.000000020 * Longitude^1*Injury Severity^1*FAR Description^1 + 0.000000106 * Longitude^1*Injury Severity^1*Schedule^1 + -0.000000008 * Longitude^1*Injury Severity^1*Purpose of Flight^1 + 0.000000001 * Longitude^1*Injury Severity^1*Air Carrier^1 + -0.000000309 * Longitude^1*Injury Severity^1*Total Fatal Injuries^1 + 0.000000086 * Longitude^1*Injury Severity^1*Total Serious Injuries^1 + -0.000000023 * Longitude^1*Injury Severity^1*Total Minor Injuries^1 + 0.000000007 * Longitude^1*Injury Severity^1*Total Uninjured^1 + -0.000000290 * Longitude^1*Injury Severity^1*Weather Condition^1 + 0.000000050 * Longitude^1*Injury Severity^1*Broad Phase of Flight^1 + -0.000000000 * Longitude^1*Injury Severity^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Injury Severity^1*Unnamed: 30^1 + 0.000001673 * Longitude^1*Aircraft Category^2 + -0.000000000 * Longitude^1*Aircraft Category^1*Registration Number^1 + 0.000000001 * Longitude^1*Aircraft Category^1*Make^1 + -0.000000001 * Longitude^1*Aircraft Category^1*Model^1 + -0.000003259 * Longitude^1*Aircraft Category^1*Amateur Built^1 + 0.000000411 * Longitude^1*Aircraft Category^1*Number of Engines^1 + -0.000001589 * Longitude^1*Aircraft Category^1*Engine Type^1 + 0.000000766 * Longitude^1*Aircraft Category^1*FAR Description^1 + -0.000001204 * Longitude^1*Aircraft Category^1*Schedule^1 + 0.000000237 * Longitude^1*Aircraft Category^1*Purpose of Flight^1 + 0.000000023 * Longitude^1*Aircraft Category^1*Air Carrier^1 + 0.000000416 * Longitude^1*Aircraft Category^1*Total Fatal Injuries^1 + -0.000002244 * Longitude^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000000422 * Longitude^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000010 * Longitude^1*Aircraft Category^1*Total Uninjured^1 + -0.000008719 * Longitude^1*Aircraft Category^1*Weather Condition^1 + 0.000000340 * Longitude^1*Aircraft Category^1*Broad Phase of Flight^1 + -0.000000003 * Longitude^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Registration Number^2 + -0.000000000 * Longitude^1*Registration Number^1*Make^1 + 0.000000000 * Longitude^1*Registration Number^1*Model^1 + 0.000000000 * Longitude^1*Registration Number^1*Amateur Built^1 + -0.000000000 * Longitude^1*Registration Number^1*Number of Engines^1 + 0.000000000 *

Longitude^1*Registration Number^1*Engine Type^1 + 0.000000000 * Longitude^1*Registration Number^1*FAR Description^1 + -0.000000001 * Longitude^1*Registration Number^1*Schedule^1 + -0.000000000 * Longitude^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Longitude^1*Registration Number^1*Air Carrier^1 + 0.000000000 * Longitude^1*Registration Number^1*Total Fatal Injuries^1 + -0.000000000 * Longitude^1*Registration Number^1*Total Serious Injuries^1 + 0.000000000 * Longitude^1*Registration Number^1*Total Minor Injuries^1 + 0.000000000 * Longitude^1*Registration Number^1*Total Uninjured^1 + 0.000000000 * Longitude^1*Registration Number^1*Weather Condition^1 + 0.000000000 * Longitude^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Registration Number^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Make^2 + 0.000000000 * Longitude^1*Make^1*Model^1 + 0.000000015 * Longitude^1*Make^1*Amateur Built^1 + 0.000000004 * Longitude^1*Make^1*Number of Engines^1 + -0.000000001 * Longitude^1*Make^1*Engine Type^1 + -0.000000000 * Longitude^1*Make^1*FAR Description^1 + -0.000000019 * Longitude^1*Make^1*Schedule^1 + -0.000000001 * Longitude^1*Make^1*Purpose of Flight^1 + 0.000000000 * Longitude^1*Make^1*Air Carrier^1 + -0.000000000 * Longitude^1*Make^1*Total Fatal Injuries^1 + -0.000000000 * Longitude^1*Make^1*Total Serious Injuries^1 + 0.000000000 * Longitude^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Longitude^1*Make^1*Total Uninjured^1 + 0.000000000 * Longitude^1*Make^1*Weather Condition^1 + 0.000000000 * Longitude^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Make^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Make^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Model^2 + -0.000000003 * Longitude^1*Model^1*Amateur Built^1 + 0.000000003 * Longitude^1*Model^1*Number of Engines^1 + -0.000000001 * Longitude^1*Model^1*Engine Type^1 + 0.000000000 * Longitude^1*Model^1*FAR Description^1 + 0.000000005 * Longitude^1*Model^1*Schedule^1 + 0.000000000 * Longitude^1*Model^1*Purpose of Flight^1 + -0.000000000 * Longitude^1*Model^1*Air Carrier^1 + 0.000000000 * Longitude^1*Model^1*Total Fatal Injuries^1 + 0.000000000 * Longitude^1*Model^1*Total Serious Injuries^1 + 0.000000000 * Longitude^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Longitude^1*Model^1*Total Uninjured^1 + -0.000000001 * Longitude^1*Model^1*Weather Condition^1 + 0.000000000 * Longitude^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Model^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Model^1*Unnamed: 30^1 + 0.000025998 * Longitude^1*Amateur Built^2 + 0.000001318 * Longitude^1*Amateur Built^1*Number of Engines^1 + 0.000006158 * Longitude^1*Amateur Built^1*Engine Type^1 + 0.000000960 * Longitude^1*Amateur Built^1*FAR Description^1 + -0.000205611 * Longitude^1*Amateur Built^1*Schedule^1 + -0.000002445 * Longitude^1*Amateur Built^1*Purpose of Flight^1 + 0.000000334 * Longitude^1*Amateur Built^1*Air Carrier^1 + 0.000000740 * Longitude^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000000382 * Longitude^1*Amateur Built^1*Total Serious Injuries^1 + 0.000000445 * Longitude^1*Amateur Built^1*Total Minor Injuries^1 + -0.000000044 * Longitude^1*Amateur Built^1*Total Uninjured^1 + -0.000001545 * Longitude^1*Amateur Built^1*Weather Condition^1 + 0.000001585 * Longitude^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000041 * Longitude^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Amateur Built^1*Unnamed: 30^1 + -0.000000246 * Longitude^1*Number of Engines^2 + -0.000004440 * Longitude^1*Number of Engines^1*Engine Type^1 + -0.000001265 * Longitude^1*Number of Engines^1*FAR Description^1 + 0.000000703 * Longitude^1*Number of Engines^1*Schedule^1 + -0.000000929 * Longitude^1*Number

of Engines^1*Purpose of Flight^1 + -0.000000030 * Longitude^1*Number of Engines^1*Air Carrier^1 + 0.000000089 * Longitude^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000001575 * Longitude^1*Number of Engines^1*Total Serious Injuries^1 + -0.000000523 * Longitude^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000076 * Longitude^1*Number of Engines^1*Total Uninjured^1 + 0.000001738 * Longitude^1*Number of Engines^1*Weather Condition^1 + 0.000003119 * Longitude^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000000005 * Longitude^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Number of Engines^1*Unnamed: 30^1 + -0.000001345 * Longitude^1*Engine Type^2 + 0.000000061 * Longitude^1*Engine Type^1*FAR Description^1 + -0.000003359 * Longitude^1*Engine Type^1*Schedule^1 + -0.000000634 * Longitude^1*Engine Type^1*Purpose of Flight^1 + -0.000000009 * Longitude^1*Engine Type^1*Air Carrier^1 + -0.000000315 * Longitude^1*Engine Type^1*Total Fatal Injuries^1 + -0.000000241 * Longitude^1*Engine Type^1*Total Serious Injuries^1 + -0.000000537 * Longitude^1*Engine Type^1*Total Minor Injuries^1 + 0.000000002 * Longitude^1*Engine Type^1*Total Uninjured^1 + 0.000001098 * Longitude^1*Engine Type^1*Weather Condition^1 + -0.000000367 * Longitude^1*Engine Type^1*Broad Phase of Flight^1 + 0.000000001 * Longitude^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Engine Type^1*Unnamed: 30^1 + 0.000000001 * Longitude^1*FAR Description^2 + -0.000000290 * Longitude^1*FAR Description^1*Schedule^1 + -0.000000120 * Longitude^1*FAR Description^1*Purpose of Flight^1 + -0.000000006 * Longitude^1*FAR Description^1*Air Carrier^1 + -0.000000008 * Longitude^1*FAR Description^1*Total Fatal Injuries^1 + 0.000000582 * Longitude^1*FAR Description^1*Total Serious Injuries^1 + 0.000000179 * Longitude^1*FAR Description^1*Total Minor Injuries^1 + -0.000000000 * Longitude^1*FAR Description^1*Total Uninjured^1 + -0.000000645 * Longitude^1*FAR Description^1*Weather Condition^1 + -0.000000065 * Longitude^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000000 * Longitude^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Longitude^1*FAR Description^1*Unnamed: 30^1 + -0.000009390 * Longitude^1*Schedule^2 + 0.000001989 * Longitude^1*Schedule^1*Purpose of Flight^1 + 0.000000024 * Longitude^1*Schedule^1*Air Carrier^1 + -0.000000023 * Longitude^1*Schedule^1*Total Fatal Injuries^1 + 0.000003302 * Longitude^1*Schedule^1*Total Serious Injuries^1 + 0.000004332 * Longitude^1*Schedule^1*Total Minor Injuries^1 + -0.000000033 * Longitude^1*Schedule^1*Total Uninjured^1 + 0.000008752 * Longitude^1*Schedule^1*Weather Condition^1 + -0.000000231 * Longitude^1*Schedule^1*Broad Phase of Flight^1 + 0.000000007 * Longitude^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Schedule^1*Unnamed: 30^1 + -0.000000039 * Longitude^1*Purpose of Flight^2 + 0.000000052 * Longitude^1*Purpose of Flight^1*Air Carrier^1 + -0.000000003 * Longitude^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000120 * Longitude^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000348 * Longitude^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000016 * Longitude^1*Purpose of Flight^1*Total Uninjured^1 + -0.000001501 * Longitude^1*Purpose of Flight^1*Weather Condition^1 + 0.000000083 * Longitude^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Longitude^1*Air Carrier^2 + 0.000000004 * Longitude^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000008 * Longitude^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000007 * Longitude^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000000 * Longitude^1*Air Carrier^1*Total Uninjured^1 + -0.000000035 * Longitude^1*Air Carrier^1*Weather Condition^1 + -0.000000005 * Longitude^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Air Carrier^1*Report

Publication Date^1 + -0.000000000 * Longitude^1*Air Carrier^1*Unnamed: 30^1 + 0.000000125 * Longitude^1*Total Fatal Injuries^2 + -0.000000001 * Longitude^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000090 * Longitude^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000000014 * Longitude^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000067 * Longitude^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000036 * Longitude^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Longitude^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Total Fatal Injuries^1*Unnamed: 30^1 + -0.000000521 * Longitude^1*Total Serious Injuries^2 + -0.000000259 * Longitude^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000095 * Longitude^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000001153 * Longitude^1*Total Serious Injuries^1*Weather Condition^1 + 0.000000345 * Longitude^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000006 * Longitude^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000005 * Longitude^1*Total Minor Injuries^2 + 0.000000003 * Longitude^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000001016 * Longitude^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000155 * Longitude^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000001 * Longitude^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Total Uninjured^2 + 0.000000126 * Longitude^1*Total Uninjured^1*Weather Condition^1 + -0.000000019 * Longitude^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Longitude^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Total Uninjured^1*Unnamed: 30^1 + 0.000016693 * Longitude^1*Weather Condition^2 + -0.000001689 * Longitude^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000010 * Longitude^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Longitude^1*Weather Condition^1*Unnamed: 30^1 + 0.000000207 * Longitude^1*Broad Phase of Flight^2 + -0.000000000 * Longitude^1*Broad Phase of Flight^1*Report Publication Date^1 + -0.000000000 * Longitude^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Report Publication Date^2 + 0.000000000 * Longitude^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Longitude^1*Unnamed: 30^2 + -0.000000000 * Airport Code^3 + 0.000000000 * Airport Code^2*Airport Name^1 + -0.000000000 * Airport Code^2*Injury Severity^1 + -0.000000002 * Airport Code^2*Aircraft Category^1 + 0.000000000 * Airport Code^2*Registration Number^1 + 0.000000000 * Airport Code^2*Make^1 + -0.000000000 * Airport Code^2*Model^1 + -0.000000007 * Airport Code^2*Amateur Built^1 + -0.000000003 * Airport Code^2*Number of Engines^1 + -0.000000003 * Airport Code^2*Engine Type^1 + 0.000000000 * Airport Code^2*FAR Description^1 + -0.000000000 * Airport Code^2*Schedule^1 + -0.000000000 * Airport Code^2*Purpose of Flight^1 + -0.000000000 * Airport Code^2*Air Carrier^1 + -0.000000000 * Airport Code^2*Total Fatal Injuries^1 + -0.000000001 * Airport Code^2*Total Serious Injuries^1 + -0.000000000 * Airport Code^2*Total Minor Injuries^1 + 0.000000000 * Airport Code^2*Total Uninjured^1 + -0.000000000 * Airport Code^2*Weather Condition^1 + 0.000000000 * Airport Code^2*Broad Phase of Flight^1 + -0.000000000 * Airport Code^2*Report Publication Date^1 + -0.000000000 * Airport Code^2*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Airport Name^2 + -0.000000000 * Airport Code^1*Airport Name^1*Injury Severity^1 + 0.000000001 * Airport Code^1*Airport Name^1*Aircraft Category^1 + -0.000000000 * Airport Code^1*Airport Name^1*Registration Number^1 + -0.000000000 * Airport Code^1*Airport Name^1*Make^1 + 0.000000000 * Airport Code^1*Airport Name^1*Model^1 + -0.000000000 * Airport Code^1*Airport Name^1*Amateur Built^1 + -0.000000001 * Airport Code^1*Airport Name^1*Number of Engines^1 +

0.000000000 * Airport Code^1*Airport Name^1*Engine Type^1 + -0.000000000 * Airport Code^1*Airport Name^1*FAR Description^1 + 0.000000001 * Airport Code^1*Airport Name^1*Schedule^1 + -0.000000000 * Airport Code^1*Airport Name^1*Purpose of Flight^1 + -0.000000000 * Airport Code^1*Airport Name^1*Air Carrier^1 + -0.000000000 * Airport Code^1*Airport Name^1*Total Fatal Injuries^1 + -0.000000000 * Airport Code^1*Airport Name^1*Total Serious Injuries^1 + -0.000000000 * Airport Code^1*Airport Name^1*Total Minor Injuries^1 + 0.000000000 * Airport Code^1*Airport Name^1*Total Uninjured^1 + -0.000000000 * Airport Code^1*Airport Name^1*Weather Condition^1 + -0.000000000 * Airport Code^1*Airport Name^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Airport Name^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Airport Name^1*Unnamed: 30^1 + 0.000000012 * Airport Code^1*Injury Severity^2 + -0.000000178 * Airport Code^1*Injury Severity^1*Aircraft Category^1 + 0.000000000 * Airport Code^1*Injury Severity^1*Registration Number^1 + -0.000000000 * Airport Code^1*Injury Severity^1*Make^1 + -0.000000000 * Airport Code^1*Injury Severity^1*Model^1 + 0.000000056 * Airport Code^1*Injury Severity^1*Amateur Built^1 + 0.000000152 * Airport Code^1*Injury Severity^1*Number of Engines^1 + 0.000000065 * Airport Code^1*Injury Severity^1*Engine Type^1 + 0.000000024 * Airport Code^1*Injury Severity^1*FAR Description^1 + 0.000000092 * Airport Code^1*Injury Severity^1*Schedule^1 + 0.000000027 * Airport Code^1*Injury Severity^1*Purpose of Flight^1 + -0.000000000 * Airport Code^1*Injury Severity^1*Air Carrier^1 + 0.000000001 * Airport Code^1*Injury Severity^1*Total Fatal Injuries^1 + 0.000000014 * Airport Code^1*Injury Severity^1*Total Serious Injuries^1 + 0.000000053 * Airport Code^1*Injury Severity^1*Total Minor Injuries^1 + -0.000000000 * Airport Code^1*Injury Severity^1*Total Uninjured^1 + -0.000000123 * Airport Code^1*Injury Severity^1*Weather Condition^1 + -0.000000022 * Airport Code^1*Injury Severity^1*Broad Phase of Flight^1 + 0.000000000 * Airport Code^1*Injury Severity^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Injury Severity^1*Unnamed: 30^1 + 0.000006802 * Airport Code^1*Aircraft Category^2 + -0.000000000 * Airport Code^1*Aircraft Category^1*Registration Number^1 + 0.000000006 * Airport Code^1*Aircraft Category^1*Make^1 + -0.000000000 * Airport Code^1*Aircraft Category^1*Model^1 + 0.000005839 * Airport Code^1*Aircraft Category^1*Amateur Built^1 + -0.000022974 * Airport Code^1*Aircraft Category^1*Number of Engines^1 + -0.000002681 * Airport Code^1*Aircraft Category^1*Engine Type^1 + 0.000006775 * Airport Code^1*Aircraft Category^1*FAR Description^1 + 0.000007375 * Airport Code^1*Aircraft Category^1*Schedule^1 + -0.000003407 * Airport Code^1*Aircraft Category^1*Purpose of Flight^1 + 0.000000026 * Airport Code^1*Aircraft Category^1*Air Carrier^1 + -0.000001293 * Airport Code^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000004252 * Airport Code^1*Aircraft Category^1*Total Serious Injuries^1 + 0.000000129 * Airport Code^1*Aircraft Category^1*Total Minor Injuries^1 + 0.000000122 * Airport Code^1*Aircraft Category^1*Total Uninjured^1 + -0.000011962 * Airport Code^1*Aircraft Category^1*Weather Condition^1 + -0.000000384 * Airport Code^1*Aircraft Category^1*Broad Phase of Flight^1 + 0.000000017 * Airport Code^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Airport Code^1*Registration Number^2 + -0.000000000 * Airport Code^1*Registration Number^1*Make^1 + 0.000000000 * Airport Code^1*Registration Number^1*Model^1 + 0.000000000 * Airport Code^1*Registration Number^1*Amateur Built^1 + 0.000000000 * Airport Code^1*Registration Number^1*Number of Engines^1 + 0.000000000 * Airport Code^1*Registration Number^1*Engine Type^1 + 0.000000000 * Airport Code^1*Registration Number^1*FAR Description^1 + -0.000000000 * Airport Code^1*Registration Number^1*Schedule^1 + -0.000000000 * Airport

Code^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Airport Code^1*Registration Number^1*Air Carrier^1 + 0.000000000 * Airport Code^1*Registration Number^1*Total Fatal Injuries^1 + -0.000000000 * Airport Code^1*Registration Number^1*Total Serious Injuries^1 + -0.000000000 * Airport Code^1*Registration Number^1*Total Minor Injuries^1 + 0.000000000 * Airport Code^1*Registration Number^1*Total Uninjured^1 + 0.000000000 * Airport Code^1*Registration Number^1*Weather Condition^1 + -0.000000000 * Airport Code^1*Registration Number^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Registration Number^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Airport Code^1*Make^2 + 0.000000000 * Airport Code^1*Make^1*Model^1 + 0.000000000 * Airport Code^1*Make^1*Amateur Built^1 + 0.000000001 * Airport Code^1*Make^1*Number of Engines^1 + -0.000000001 * Airport Code^1*Make^1*Engine Type^1 + -0.000000001 * Airport Code^1*Make^1*FAR Description^1 + -0.000000001 * Airport Code^1*Make^1*Schedule^1 + -0.000000000 * Airport Code^1*Make^1*Purpose of Flight^1 + 0.000000000 * Airport Code^1*Make^1*Air Carrier^1 + -0.000000000 * Airport Code^1*Make^1*Total Fatal Injuries^1 + -0.000000000 * Airport Code^1*Make^1*Total Serious Injuries^1 + 0.000000000 * Airport Code^1*Make^1*Total Minor Injuries^1 + -0.000000000 * Airport Code^1*Make^1*Total Uninjured^1 + 0.000000002 * Airport Code^1*Make^1*Weather Condition^1 + 0.000000000 * Airport Code^1*Make^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Make^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Make^1*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Model^2 + -0.000000003 * Airport Code^1*Model^1*Amateur Built^1 + -0.000000001 * Airport Code^1*Model^1*Number of Engines^1 + -0.000000000 * Airport Code^1*Model^1*Engine Type^1 + 0.000000000 * Airport Code^1*Model^1*FAR Description^1 + -0.000000001 * Airport Code^1*Model^1*Schedule^1 + -0.000000000 * Airport Code^1*Model^1*Purpose of Flight^1 + -0.000000000 * Airport Code^1*Model^1*Air Carrier^1 + -0.000000000 * Airport Code^1*Model^1*Total Fatal Injuries^1 + 0.000000000 * Airport Code^1*Model^1*Total Serious Injuries^1 + -0.000000000 * Airport Code^1*Model^1*Total Minor Injuries^1 + 0.000000000 * Airport Code^1*Model^1*Total Uninjured^1 + -0.000000000 * Airport Code^1*Model^1*Weather Condition^1 + -0.000000000 * Airport Code^1*Model^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Model^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Model^1*Unnamed: 30^1 + -0.000134164 * Airport Code^1*Amateur Built^2 + 0.000021355 * Airport Code^1*Amateur Built^1*Number of Engines^1 + -0.000001495 * Airport Code^1*Amateur Built^1*Engine Type^1 + 0.000001472 * Airport Code^1*Amateur Built^1*FAR Description^1 + -0.000005569 * Airport Code^1*Amateur Built^1*Schedule^1 + 0.000000101 * Airport Code^1*Amateur Built^1*Purpose of Flight^1 + -0.000000018 * Airport Code^1*Amateur Built^1*Air Carrier^1 + 0.000000460 * Airport Code^1*Amateur Built^1*Total Fatal Injuries^1 + 0.000000827 * Airport Code^1*Amateur Built^1*Total Serious Injuries^1 + -0.000001760 * Airport Code^1*Amateur Built^1*Total Minor Injuries^1 + -0.000000175 * Airport Code^1*Amateur Built^1*Total Uninjured^1 + -0.000020183 * Airport Code^1*Amateur Built^1*Weather Condition^1 + 0.000001006 * Airport Code^1*Amateur Built^1*Broad Phase of Flight^1 + 0.000000014 * Airport Code^1*Amateur Built^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Amateur Built^1*Unnamed: 30^1 + -0.000002852 * Airport Code^1*Number of Engines^2 + -0.000003071 * Airport Code^1*Number of Engines^1*Engine Type^1 + 0.000002440 * Airport Code^1*Number of Engines^1*FAR Description^1 + 0.000011444 * Airport Code^1*Number of Engines^1*Schedule^1 + -0.000000132 * Airport Code^1*Number of Engines^1*Purpose of Flight^1 + -0.000000019 * Airport Code^1*Number of Engines^1*Air Carrier^1 + -

0.000000097 * Airport Code^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000002233 * Airport Code^1*Number of Engines^1*Total Serious Injuries^1 + -0.000001412 * Airport Code^1*Number of Engines^1*Total Minor Injuries^1 + -0.000000026 * Airport Code^1*Number of Engines^1*Total Uninjured^1 + -0.000010856 * Airport Code^1*Number of Engines^1*Weather Condition^1 + -0.000000542 * Airport Code^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000000007 * Airport Code^1*Number of Engines^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Number of Engines^1*Unnamed: 30^1 + 0.000000528 * Airport Code^1*Engine Type^2 + 0.000000663 * Airport Code^1*Engine Type^1*FAR Description^1 + -0.000003359 * Airport Code^1*Engine Type^1*Schedule^1 + 0.000000424 * Airport Code^1*Engine Type^1*Purpose of Flight^1 + 0.000000012 * Airport Code^1*Engine Type^1*Air Carrier^1 + -0.000000021 * Airport Code^1*Engine Type^1*Total Fatal Injuries^1 + -0.000001019 * Airport Code^1*Engine Type^1*Total Serious Injuries^1 + -0.000000297 * Airport Code^1*Engine Type^1*Total Minor Injuries^1 + -0.000000039 * Airport Code^1*Engine Type^1*Total Uninjured^1 + -0.000003093 * Airport Code^1*Engine Type^1*Weather Condition^1 + 0.000000379 * Airport Code^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000004 * Airport Code^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Engine Type^1*Unnamed: 30^1 + -0.000002171 * Airport Code^1*FAR Description^2 + -0.000002255 * Airport Code^1*FAR Description^1*Schedule^1 + 0.000000375 * Airport Code^1*FAR Description^1*Purpose of Flight^1 + -0.000000003 * Airport Code^1*FAR Description^1*Air Carrier^1 + 0.000000020 * Airport Code^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000278 * Airport Code^1*FAR Description^1*Total Serious Injuries^1 + -0.000000033 * Airport Code^1*FAR Description^1*Total Minor Injuries^1 + -0.000000013 * Airport Code^1*FAR Description^1*Total Uninjured^1 + 0.000001113 * Airport Code^1*FAR Description^1*Weather Condition^1 + -0.000000083 * Airport Code^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000001 * Airport Code^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*FAR Description^1*Unnamed: 30^1 + 0.000013527 * Airport Code^1*Schedule^2 + -0.000000320 * Airport Code^1*Schedule^1*Purpose of Flight^1 + 0.000000026 * Airport Code^1*Schedule^1*Air Carrier^1 + 0.000000176 * Airport Code^1*Schedule^1*Total Fatal Injuries^1 + -0.000004977 * Airport Code^1*Schedule^1*Total Serious Injuries^1 + 0.000001848 * Airport Code^1*Schedule^1*Total Minor Injuries^1 + -0.000000043 * Airport Code^1*Schedule^1*Total Uninjured^1 + -0.000005977 * Airport Code^1*Schedule^1*Weather Condition^1 + -0.000001791 * Airport Code^1*Schedule^1*Broad Phase of Flight^1 + -0.000000001 * Airport Code^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Schedule^1*Unnamed: 30^1 + 0.000000005 * Airport Code^1*Purpose of Flight^2 + -0.000000001 * Airport Code^1*Purpose of Flight^1*Air Carrier^1 + -0.000000028 * Airport Code^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000016 * Airport Code^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000052 * Airport Code^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000003 * Airport Code^1*Purpose of Flight^1*Total Uninjured^1 + -0.000001061 * Airport Code^1*Purpose of Flight^1*Weather Condition^1 + -0.000000401 * Airport Code^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Air Carrier^2 + 0.000000001 * Airport Code^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000003 * Airport Code^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000000 * Airport Code^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Airport Code^1*Air Carrier^1*Total Uninjured^1 + 0.000000049 * Airport Code^1*Air Carrier^1*Weather Condition^1 + 0.000000001 * Airport Code^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Airport

Code^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Air Carrier^1*Unnamed: 30^1 + -0.000000048 * Airport Code^1*Total Fatal Injuries^2 + 0.000000140 * Airport Code^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000138 * Airport Code^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000005 * Airport Code^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000067 * Airport Code^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000015 * Airport Code^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Airport Code^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000353 * Airport Code^1*Total Serious Injuries^2 + -0.000000170 * Airport Code^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000019 * Airport Code^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000000351 * Airport Code^1*Total Serious Injuries^1*Weather Condition^1 + 0.000000406 * Airport Code^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Airport Code^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000003 * Airport Code^1*Total Minor Injuries^2 + -0.000000003 * Airport Code^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000000053 * Airport Code^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000186 * Airport Code^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Airport Code^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Total Uninjured^2 + -0.000000025 * Airport Code^1*Total Uninjured^1*Weather Condition^1 + 0.000000004 * Airport Code^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000000 * Airport Code^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Total Uninjured^1*Unnamed: 30^1 + -0.000002064 * Airport Code^1*Weather Condition^2 + 0.000001260 * Airport Code^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000002 * Airport Code^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Airport Code^1*Weather Condition^1*Unnamed: 30^1 + -0.000000165 * Airport Code^1*Broad Phase of Flight^2 + -0.000000001 * Airport Code^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Airport Code^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Report Publication Date^2 + 0.000000000 * Airport Code^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Airport Code^1*Unnamed: 30^2 + 0.000000000 * Airport Name^3 + 0.000000000 * Airport Name^2*Injury Severity^1 + 0.000000000 * Airport Name^2*Aircraft Category^1 + 0.000000000 * Airport Name^2*Registration Number^1 + -0.000000000 * Airport Name^2*Make^1 + 0.000000000 * Airport Name^2*Model^1 + 0.000000001 * Airport Name^2*Amateur Built^1 + 0.000000001 * Airport Name^2*Number of Engines^1 + -0.000000000 * Airport Name^2*Engine Type^1 + -0.000000000 * Airport Name^2*FAR Description^1 + -0.000000000 * Airport Name^2*Schedule^1 + 0.000000000 * Airport Name^2*Purpose of Flight^1 + 0.000000000 * Airport Name^2*Air Carrier^1 + 0.000000000 * Airport Name^2*Total Fatal Injuries^1 + 0.000000000 * Airport Name^2*Total Serious Injuries^1 + 0.000000000 * Airport Name^2*Total Minor Injuries^1 + -0.000000000 * Airport Name^2*Total Uninjured^1 + -0.000000000 * Airport Name^2*Weather Condition^1 + 0.000000000 * Airport Name^2*Broad Phase of Flight^1 + 0.000000000 * Airport Name^2*Report Publication Date^1 + -0.000000000 * Airport Name^2*Unnamed: 30^1 + 0.000000031 * Airport Name^1*Injury Severity^2 + -0.000000182 * Airport Name^1*Injury Severity^1*Aircraft Category^1 + -0.000000000 * Airport Name^1*Injury Severity^1*Registration Number^1 + 0.000000000 * Airport Name^1*Injury Severity^1*Make^1 + 0.000000000 * Airport Name^1*Injury Severity^1*Model^1 + -0.000000035 * Airport Name^1*Injury Severity^1*Amateur Built^1 + -0.000000001 * Airport Name^1*Injury Severity^1*Number of Engines^1

+ 0.000000009 * Airport Name^1*Injury Severity^1*Engine Type^1 + 0.000000008 * Airport Name^1*Injury Severity^1*FAR Description^1 + -0.000000010 * Airport Name^1*Injury Severity^1*Schedule^1 + -0.000000007 * Airport Name^1*Injury Severity^1*Purpose of Flight^1 + 0.000000000 * Airport Name^1*Injury Severity^1*Air Carrier^1 + -0.000000041 * Airport Name^1*Injury Severity^1*Total Fatal Injuries^1 + -0.000000007 * Airport Name^1*Injury Severity^1*Total Serious Injuries^1 + -0.000000014 * Airport Name^1*Injury Severity^1*Total Minor Injuries^1 + 0.000000000 * Airport Name^1*Injury Severity^1*Total Uninjured^1 + -0.000000004 * Airport Name^1*Injury Severity^1*Weather Condition^1 + 0.000000009 * Airport Name^1*Injury Severity^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Injury Severity^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Injury Severity^1*Unnamed: 30^1 + -0.000006375 * Airport Name^1*Aircraft Category^2 + -0.000000000 * Airport Name^1*Aircraft Category^1*Registration Number^1 + -0.000000001 * Airport Name^1*Aircraft Category^1*Make^1 + -0.000000000 * Airport Name^1*Aircraft Category^1*Model^1 + -0.000007470 * Airport Name^1*Aircraft Category^1*Amateur Built^1 + 0.000012027 * Airport Name^1*Aircraft Category^1*Number of Engines^1 + 0.000002455 * Airport Name^1*Aircraft Category^1*Engine Type^1 + -0.000003172 * Airport Name^1*Aircraft Category^1*FAR Description^1 + -0.000004227 * Airport Name^1*Aircraft Category^1*Schedule^1 + 0.000001104 * Airport Name^1*Aircraft Category^1*Purpose of Flight^1 + -0.000000028 * Airport Name^1*Aircraft Category^1*Air Carrier^1 + 0.000000648 * Airport Name^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000001026 * Airport Name^1*Aircraft Category^1*Total Serious Injuries^1 + -0.000000390 * Airport Name^1*Aircraft Category^1*Total Minor Injuries^1 + -0.000000046 * Airport Name^1*Aircraft Category^1*Total Uninjured^1 + 0.000002271 * Airport Name^1*Aircraft Category^1*Weather Condition^1 + 0.000000099 * Airport Name^1*Aircraft Category^1*Broad Phase of Flight^1 + -0.000000007 * Airport Name^1*Aircraft Category^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Registration Number^2 + 0.000000000 * Airport Name^1*Registration Number^1*Make^1 + -0.000000000 * Airport Name^1*Registration Number^1*Model^1 + -0.000000000 * Airport Name^1*Registration Number^1*Amateur Built^1 + 0.000000000 * Airport Name^1*Registration Number^1*Number of Engines^1 + -0.000000000 * Airport Name^1*Registration Number^1*Engine Type^1 + -0.000000000 * Airport Name^1*Registration Number^1*FAR Description^1 + 0.000000000 * Airport Name^1*Registration Number^1*Schedule^1 + 0.000000000 * Airport Name^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Airport Name^1*Registration Number^1*Air Carrier^1 + -0.000000000 * Airport Name^1*Registration Number^1*Total Fatal Injuries^1 + 0.000000000 * Airport Name^1*Registration Number^1*Total Serious Injuries^1 + 0.000000000 * Airport Name^1*Registration Number^1*Total Minor Injuries^1 + -0.000000000 * Airport Name^1*Registration Number^1*Total Uninjured^1 + -0.000000000 * Airport Name^1*Registration Number^1*Weather Condition^1 + 0.000000000 * Airport Name^1*Registration Number^1*Broad Phase of Flight^1 + 0.000000000 * Airport Name^1*Registration Number^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Make^2 + -0.000000000 * Airport Name^1*Make^1*Model^1 + 0.000000003 * Airport Name^1*Make^1*Amateur Built^1 + 0.000000001 * Airport Name^1*Make^1*Number of Engines^1 + 0.000000000 * Airport Name^1*Make^1*Engine Type^1 + 0.000000000 * Airport Name^1*Make^1*FAR Description^1 + 0.000000001 * Airport Name^1*Make^1*Schedule^1 + 0.000000000 * Airport Name^1*Make^1*Purpose of Flight^1 + -0.000000000 * Airport Name^1*Make^1*Air Carrier^1 + 0.000000000 * Airport Name^1*Make^1*Total

Fatal Injuries^1 + 0.000000000 * Airport Name^1*Make^1*Total Serious Injuries^1 + -0.000000000 * Airport Name^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Airport Name^1*Make^1*Total Uninjured^1 + -0.000000001 * Airport Name^1*Make^1*Weather Condition^1 + -0.000000000 * Airport Name^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Airport Name^1*Make^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Make^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Model^2 + 0.000000001 * Airport Name^1*Model^1*Amateur Built^1 + 0.000000001 * Airport Name^1*Model^1*Number of Engines^1 + 0.000000000 * Airport Name^1*Model^1*Engine Type^1 + 0.000000000 * Airport Name^1*Model^1*FAR Description^1 + -0.000000000 * Airport Name^1*Model^1*Schedule^1 + 0.000000000 * Airport Name^1*Model^1*Purpose of Flight^1 + 0.000000000 * Airport Name^1*Model^1*Air Carrier^1 + 0.000000000 * Airport Name^1*Model^1*Total Fatal Injuries^1 + -0.000000000 * Airport Name^1*Model^1*Total Serious Injuries^1 + 0.000000000 * Airport Name^1*Model^1*Total Minor Injuries^1 + -0.000000000 * Airport Name^1*Model^1*Total Uninjured^1 + 0.000000001 * Airport Name^1*Model^1*Weather Condition^1 + 0.000000000 * Airport Name^1*Model^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Model^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Model^1*Unnamed: 30^1 + 0.000062724 * Airport Name^1*Amateur Built^2 + -0.000003957 * Airport Name^1*Amateur Built^1*Number of Engines^1 + -0.000002977 * Airport Name^1*Amateur Built^1*Engine Type^1 + 0.000000363 * Airport Name^1*Amateur Built^1*FAR Description^1 + 0.000004218 * Airport Name^1*Amateur Built^1*Schedule^1 + -0.000000878 * Airport Name^1*Amateur Built^1*Purpose of Flight^1 + 0.000000294 * Airport Name^1*Amateur Built^1*Air Carrier^1 + -0.000000181 * Airport Name^1*Amateur Built^1*Total Fatal Injuries^1 + 0.000000121 * Airport Name^1*Amateur Built^1*Total Serious Injuries^1 + 0.000000159 * Airport Name^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000073 * Airport Name^1*Amateur Built^1*Total Uninjured^1 + 0.000008159 * Airport Name^1*Amateur Built^1*Weather Condition^1 + 0.000000254 * Airport Name^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Amateur Built^1*Unnamed: 30^1 + -0.000000683 * Airport Name^1*Number of Engines^2 + -0.000001495 * Airport Name^1*Number of Engines^1*Engine Type^1 + -0.000000637 * Airport Name^1*Number of Engines^1*FAR Description^1 + 0.000006383 * Airport Name^1*Number of Engines^1*Schedule^1 + -0.000000167 * Airport Name^1*Number of Engines^1*Purpose of Flight^1 + 0.000000002 * Airport Name^1*Number of Engines^1*Air Carrier^1 + -0.000000052 * Airport Name^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000000837 * Airport Name^1*Number of Engines^1*Total Serious Injuries^1 + 0.000000970 * Airport Name^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000036 * Airport Name^1*Number of Engines^1*Total Uninjured^1 + 0.000004767 * Airport Name^1*Number of Engines^1*Weather Condition^1 + -0.000000418 * Airport Name^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000002 * Airport Name^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Number of Engines^1*Unnamed: 30^1 + 0.000001647 * Airport Name^1*Engine Type^2 + -0.000000536 * Airport Name^1*Engine Type^1*FAR Description^1 + 0.000000789 * Airport Name^1*Engine Type^1*Schedule^1 + 0.000000168 * Airport Name^1*Engine Type^1*Purpose of Flight^1 + -0.000000005 * Airport Name^1*Engine Type^1*Air Carrier^1 + 0.000000033 * Airport Name^1*Engine Type^1*Total Fatal Injuries^1 + 0.000000288 * Airport Name^1*Engine Type^1*Total Serious Injuries^1 + 0.000000205 * Airport Name^1*Engine Type^1*Total Minor Injuries^1 + 0.000000025 * Airport Name^1*Engine Type^1*Total Uninjured^1 + 0.000001603 * Airport Name^1*Engine Type^1*Weather Condition^1 + -0.000000233 * Airport

Name^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Engine Type^1*Unnamed: 30^1 + 0.000000541 * Airport Name^1*FAR Description^2 + 0.000001069 * Airport Name^1*FAR Description^1*Schedule^1 + -0.000000072 * Airport Name^1*FAR Description^1*Purpose of Flight^1 + 0.000000001 * Airport Name^1*FAR Description^1*Air Carrier^1 + -0.000000002 * Airport Name^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000062 * Airport Name^1*FAR Description^1*Total Serious Injuries^1 + 0.000000048 * Airport Name^1*FAR Description^1*Total Minor Injuries^1 + 0.000000007 * Airport Name^1*FAR Description^1*Total Uninjured^1 + -0.000000712 * Airport Name^1*FAR Description^1*Weather Condition^1 + -0.000000035 * Airport Name^1*FAR Description^1*Broad Phase of Flight^1 + 0.000000001 * Airport Name^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*FAR Description^1*Unnamed: 30^1 + -0.000007318 * Airport Name^1*Schedule^2 + -0.000000231 * Airport Name^1*Schedule^1*Purpose of Flight^1 + 0.000000011 * Airport Name^1*Schedule^1*Air Carrier^1 + 0.000000011 * Airport Name^1*Schedule^1*Total Fatal Injuries^1 + 0.000002345 * Airport Name^1*Schedule^1*Total Serious Injuries^1 + -0.000001035 * Airport Name^1*Schedule^1*Total Minor Injuries^1 + 0.000000035 * Airport Name^1*Schedule^1*Total Uninjured^1 + 0.000003660 * Airport Name^1*Schedule^1*Weather Condition^1 + 0.000000200 * Airport Name^1*Schedule^1*Broad Phase of Flight^1 + 0.000000001 * Airport Name^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Schedule^1*Unnamed: 30^1 + 0.000000034 * Airport Name^1*Purpose of Flight^2 + -0.000000000 * Airport Name^1*Purpose of Flight^1*Air Carrier^1 + 0.000000023 * Airport Name^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000097 * Airport Name^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000000069 * Airport Name^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000000003 * Airport Name^1*Purpose of Flight^1*Total Uninjured^1 + 0.000000210 * Airport Name^1*Purpose of Flight^1*Weather Condition^1 + 0.000000084 * Airport Name^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Air Carrier^2 + -0.000000001 * Airport Name^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000005 * Airport Name^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000000 * Airport Name^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000000 * Airport Name^1*Air Carrier^1*Total Uninjured^1 + -0.000000017 * Airport Name^1*Air Carrier^1*Weather Condition^1 + 0.000000000 * Airport Name^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000000 * Airport Name^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Air Carrier^1*Unnamed: 30^1 + 0.000000019 * Airport Name^1*Total Fatal Injuries^2 + -0.000000015 * Airport Name^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000045 * Airport Name^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000000 * Airport Name^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000068 * Airport Name^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000015 * Airport Name^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000001 * Airport Name^1*Total Serious Injuries^2 + 0.000000022 * Airport Name^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000002 * Airport Name^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000000877 * Airport Name^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000274 * Airport Name^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Total Serious Injuries^1*Unnamed: 30^1 + -

0.000000004 * Airport Name^1*Total Minor Injuries^2 + 0.000000007 * Airport Name^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000000032 * Airport Name^1*Total Minor Injuries^1*Weather Condition^1 + -0.000000038 * Airport Name^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Airport Name^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Total Uninjured^2 + 0.000000034 * Airport Name^1*Total Uninjured^1*Weather Condition^1 + -0.000000004 * Airport Name^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Airport Name^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Airport Name^1*Total Uninjured^1*Unnamed: 30^1 + -0.000004720 * Airport Name^1*Weather Condition^2 + -0.000000731 * Airport Name^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000000 * Airport Name^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Weather Condition^1*Unnamed: 30^1 + -0.000000240 * Airport Name^1*Broad Phase of Flight^2 + 0.000000000 * Airport Name^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Airport Name^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Airport Name^1*Report Publication Date^2 + 0.000000000 * Airport Name^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Airport Name^1*Unnamed: 30^2 + -0.000000045 * Injury Severity^3 + -0.000011020 * Injury Severity^2*Aircraft Category^1 + 0.000000000 * Injury Severity^2*Registration Number^1 + -0.000000000 * Injury Severity^2*Make^1 + 0.000000000 * Injury Severity^2*Model^1 + -0.000001178 * Injury Severity^2*Amateur Built^1 + -0.000006901 * Injury Severity^2*Number of Engines^1 + -0.000004539 * Injury Severity^2*Engine Type^1 + -0.000000704 * Injury Severity^2*FAR Description^1 + -0.000014330 * Injury Severity^2*Schedule^1 + -0.000029703 * Injury Severity^2*Purpose of Flight^1 + 0.000000330 * Injury Severity^2*Air Carrier^1 + 0.000050875 * Injury Severity^2*Total Fatal Injuries^1 + -0.000018185 * Injury Severity^2*Total Serious Injuries^1 + -0.000005643 * Injury Severity^2*Total Minor Injuries^1 + -0.000004841 * Injury Severity^2*Total Uninjured^1 + -0.000012472 * Injury Severity^2*Weather Condition^1 + -0.000003349 * Injury Severity^2*Broad Phase of Flight^1 + -0.000000757 * Injury Severity^2*Report Publication Date^1 + -0.000000000 * Injury Severity^2*Unnamed: 30^1 + -0.000203015 * Injury Severity^1*Aircraft Category^2 + -0.000000002 * Injury Severity^1*Aircraft Category^1*Registration Number^1 + 0.000000002 * Injury Severity^1*Aircraft Category^1*Make^1 + -0.000000014 * Injury Severity^1*Aircraft Category^1*Model^1 + -0.000289950 * Injury Severity^1*Aircraft Category^1*Amateur Built^1 + 0.000120817 * Injury Severity^1*Aircraft Category^1*Number of Engines^1 + 0.000087290 * Injury Severity^1*Aircraft Category^1*Engine Type^1 + 0.000026383 * Injury Severity^1*Aircraft Category^1*FAR Description^1 + -0.000238671 * Injury Severity^1*Aircraft Category^1*Schedule^1 + 0.000012917 * Injury Severity^1*Aircraft Category^1*Purpose of Flight^1 + -0.000001891 * Injury Severity^1*Aircraft Category^1*Air Carrier^1 + -0.000006948 * Injury Severity^1*Aircraft Category^1*Total Fatal Injuries^1 + 0.000202025 * Injury Severity^1*Aircraft Category^1*Total Serious Injuries^1 + 0.000000862 * Injury Severity^1*Aircraft Category^1*Total Minor Injuries^1 + -0.000003767 * Injury Severity^1*Aircraft Category^1*Total Uninjured^1 + 0.000317183 * Injury Severity^1*Aircraft Category^1*Weather Condition^1 + 0.000049738 * Injury Severity^1*Aircraft Category^1*Broad Phase of Flight^1 + 0.000000335 * Injury Severity^1*Aircraft Category^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Aircraft Category^1*Unnamed: 30^1 + -0.000000000 * Injury Severity^1*Registration Number^2 + -0.000000000 * Injury Severity^1*Registration Number^1*Make^1 + -0.000000000 * Injury Severity^1*Registration Number^1*Model^1 + -0.000000011 * Injury Severity^1*Registration Number^1*Amateur Built^1 +

0.000000006 * Injury Severity^1*Registration Number^1*Number of Engines^1 + 0.000000001 * Injury Severity^1*Registration Number^1*Engine Type^1 + 0.000000001 * Injury Severity^1*Registration Number^1*FAR Description^1 + -0.000000007 * Injury Severity^1*Registration Number^1*Schedule^1 + -0.000000001 * Injury Severity^1*Registration Number^1*Purpose of Flight^1 + 0.000000000 * Injury Severity^1*Registration Number^1*Air Carrier^1 + 0.000000002 * Injury Severity^1*Registration Number^1*Total Fatal Injuries^1 + -0.000000003 * Injury Severity^1*Registration Number^1*Total Serious Injuries^1 + 0.000000002 * Injury Severity^1*Registration Number^1*Total Minor Injuries^1 + -0.000000000 * Injury Severity^1*Registration Number^1*Total Uninjured^1 + 0.000000005 * Injury Severity^1*Registration Number^1*Weather Condition^1 + 0.000000001 * Injury Severity^1*Registration Number^1*Broad Phase of Flight^1 + -0.000000000 * Injury Severity^1*Registration Number^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Registration Number^1*Unnamed: 30^1 + -0.000000000 * Injury Severity^1*Make^2 + 0.000000000 * Injury Severity^1*Make^1*Model^1 + 0.000000113 * Injury Severity^1*Make^1*Amateur Built^1 + -0.000000169 * Injury Severity^1*Make^1*Number of Engines^1 + -0.000000122 * Injury Severity^1*Make^1*Engine Type^1 + 0.000000014 * Injury Severity^1*Make^1*FAR Description^1 + 0.000000082 * Injury Severity^1*Make^1*Schedule^1 + 0.000000006 * Injury Severity^1*Make^1*Purpose of Flight^1 + -0.000000000 * Injury Severity^1*Make^1*Air Carrier^1 + 0.000000047 * Injury Severity^1*Make^1*Total Fatal Injuries^1 + -0.000000127 * Injury Severity^1*Make^1*Total Serious Injuries^1 + 0.000000042 * Injury Severity^1*Make^1*Total Minor Injuries^1 + 0.000000009 * Injury Severity^1*Make^1*Total Uninjured^1 + -0.000000323 * Injury Severity^1*Make^1*Weather Condition^1 + 0.000000003 * Injury Severity^1*Make^1*Broad Phase of Flight^1 + 0.000000000 * Injury Severity^1*Make^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Make^1*Unnamed: 30^1 + 0.000000000 * Injury Severity^1*Model^2 + 0.000000012 * Injury Severity^1*Model^1*Amateur Built^1 + 0.000000012 * Injury Severity^1*Model^1*Number of Engines^1 + 0.000000014 * Injury Severity^1*Model^1*Engine Type^1 + 0.000000000 * Injury Severity^1*Model^1*FAR Description^1 + -0.000000005 * Injury Severity^1*Model^1*Schedule^1 + -0.000000002 * Injury Severity^1*Model^1*Purpose of Flight^1 + -0.000000000 * Injury Severity^1*Model^1*Air Carrier^1 + 0.000000016 * Injury Severity^1*Model^1*Total Fatal Injuries^1 + 0.000000006 * Injury Severity^1*Model^1*Total Serious Injuries^1 + -0.000000002 * Injury Severity^1*Model^1*Total Minor Injuries^1 + -0.000000003 * Injury Severity^1*Model^1*Total Uninjured^1 + 0.000000070 * Injury Severity^1*Model^1*Weather Condition^1 + -0.000000003 * Injury Severity^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Injury Severity^1*Model^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Model^1*Unnamed: 30^1 + 0.000739139 * Injury Severity^1*Amateur Built^2 + 0.000077552 * Injury Severity^1*Amateur Built^1*Number of Engines^1 + 0.000063796 * Injury Severity^1*Amateur Built^1*Engine Type^1 + 0.000066066 * Injury Severity^1*Amateur Built^1*FAR Description^1 + 0.000158577 * Injury Severity^1*Amateur Built^1*Schedule^1 + -0.000058558 * Injury Severity^1*Amateur Built^1*Purpose of Flight^1 + -0.000012294 * Injury Severity^1*Amateur Built^1*Air Carrier^1 + -0.000499017 * Injury Severity^1*Amateur Built^1*Total Fatal Injuries^1 + 0.000087957 * Injury Severity^1*Amateur Built^1*Total Serious Injuries^1 + 0.000349586 * Injury Severity^1*Amateur Built^1*Total Minor Injuries^1 + -0.000015149 * Injury Severity^1*Amateur Built^1*Total Uninjured^1 + 0.001343291 * Injury Severity^1*Amateur Built^1*Weather Condition^1 + 0.000009920 * Injury Severity^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000122 * Injury Severity^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Amateur

Built^1*Unnamed: 30^1 + -0.000600930 * Injury Severity^1*Number of Engines^2 + -0.000051011 * Injury Severity^1*Number of Engines^1*Engine Type^1 + -0.000008558 * Injury Severity^1*Number of Engines^1*FAR Description^1 + -0.000690386 * Injury Severity^1*Number of Engines^1*Schedule^1 + 0.000023154 * Injury Severity^1*Number of Engines^1*Purpose of Flight^1 + 0.000000931 * Injury Severity^1*Number of Engines^1*Air Carrier^1 + 0.000214736 * Injury Severity^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000109647 * Injury Severity^1*Number of Engines^1*Total Serious Injuries^1 + -0.000026826 * Injury Severity^1*Number of Engines^1*Total Minor Injuries^1 + 0.000005967 * Injury Severity^1*Number of Engines^1*Total Uninjured^1 + -0.000155759 * Injury Severity^1*Number of Engines^1*Weather Condition^1 + 0.000026753 * Injury Severity^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000000120 * Injury Severity^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Number of Engines^1*Unnamed: 30^1 + -0.000007425 * Injury Severity^1*Engine Type^2 + -0.000028894 * Injury Severity^1*Engine Type^1*FAR Description^1 + -0.000029315 * Injury Severity^1*Engine Type^1*Schedule^1 + -0.000011589 * Injury Severity^1*Engine Type^1*Purpose of Flight^1 + -0.000000045 * Injury Severity^1*Engine Type^1*Air Carrier^1 + 0.000144210 * Injury Severity^1*Engine Type^1*Total Fatal Injuries^1 + -0.000059329 * Injury Severity^1*Engine Type^1*Total Serious Injuries^1 + 0.000021169 * Injury Severity^1*Engine Type^1*Total Minor Injuries^1 + 0.000002508 * Injury Severity^1*Engine Type^1*Total Uninjured^1 + -0.000140145 * Injury Severity^1*Engine Type^1*Weather Condition^1 + 0.000047911 * Injury Severity^1*Engine Type^1*Broad Phase of Flight^1 + 0.000000331 * Injury Severity^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Engine Type^1*Unnamed: 30^1 + -0.000004536 * Injury Severity^1*FAR Description^2 + -0.000037918 * Injury Severity^1*FAR Description^1*Schedule^1 + 0.000005252 * Injury Severity^1*FAR Description^1*Purpose of Flight^1 + 0.000000398 * Injury Severity^1*FAR Description^1*Air Carrier^1 + 0.000009301 * Injury Severity^1*FAR Description^1*Total Fatal Injuries^1 + -0.000015747 * Injury Severity^1*FAR Description^1*Total Serious Injuries^1 + 0.000020971 * Injury Severity^1*FAR Description^1*Total Minor Injuries^1 + 0.000000792 * Injury Severity^1*FAR Description^1*Total Uninjured^1 + -0.000038043 * Injury Severity^1*FAR Description^1*Weather Condition^1 + -0.000010906 * Injury Severity^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000101 * Injury Severity^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*FAR Description^1*Unnamed: 30^1 + -0.000120515 * Injury Severity^1*Schedule^2 + 0.000065551 * Injury Severity^1*Schedule^1*Purpose of Flight^1 + -0.000003695 * Injury Severity^1*Schedule^1*Air Carrier^1 + 0.000333330 * Injury Severity^1*Schedule^1*Total Fatal Injuries^1 + -0.000042553 * Injury Severity^1*Schedule^1*Total Serious Injuries^1 + 0.000048229 * Injury Severity^1*Schedule^1*Total Minor Injuries^1 + -0.000005846 * Injury Severity^1*Schedule^1*Total Uninjured^1 + 0.000140799 * Injury Severity^1*Schedule^1*Weather Condition^1 + -0.000014824 * Injury Severity^1*Schedule^1*Broad Phase of Flight^1 + 0.000000312 * Injury Severity^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Schedule^1*Unnamed: 30^1 + -0.000002245 * Injury Severity^1*Purpose of Flight^2 + -0.000000097 * Injury Severity^1*Purpose of Flight^1*Air Carrier^1 + -0.000025241 * Injury Severity^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000009525 * Injury Severity^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000007838 * Injury Severity^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000000182 * Injury Severity^1*Purpose of Flight^1*Total Uninjured^1 + -0.000029316 * Injury Severity^1*Purpose of Flight^1*Weather Condition^1 + 0.000011741 * Injury Severity^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000005 * Injury Severity^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Injury

Severity^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000002 * Injury Severity^1*Air Carrier^2 + 0.000000269 * Injury Severity^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000129 * Injury Severity^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000043 * Injury Severity^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000002 * Injury Severity^1*Air Carrier^1*Total Uninjured^1 + 0.000001262 * Injury Severity^1*Air Carrier^1*Weather Condition^1 + -0.000000297 * Injury Severity^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000001 * Injury Severity^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Air Carrier^1*Unnamed: 30^1 + -0.000055476 * Injury Severity^1*Total Fatal Injuries^2 + -0.000011709 * Injury Severity^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000073475 * Injury Severity^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000017038 * Injury Severity^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000159332 * Injury Severity^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000030193 * Injury Severity^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000543 * Injury Severity^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000060219 * Injury Severity^1*Total Serious Injuries^2 + 0.000000304 * Injury Severity^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000001162 * Injury Severity^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000040033 * Injury Severity^1*Total Serious Injuries^1*Weather Condition^1 + 0.000011726 * Injury Severity^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000087 * Injury Severity^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000008558 * Injury Severity^1*Total Minor Injuries^2 + -0.000000324 * Injury Severity^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000163283 * Injury Severity^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000249 * Injury Severity^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000038 * Injury Severity^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000095 * Injury Severity^1*Total Uninjured^2 + 0.000008275 * Injury Severity^1*Total Uninjured^1*Weather Condition^1 + 0.000000321 * Injury Severity^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000000 * Injury Severity^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Total Uninjured^1*Unnamed: 30^1 + -0.000026846 * Injury Severity^1*Weather Condition^2 + -0.000014321 * Injury Severity^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000312 * Injury Severity^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Injury Severity^1*Weather Condition^1*Unnamed: 30^1 + 0.000001827 * Injury Severity^1*Broad Phase of Flight^2 + 0.000000010 * Injury Severity^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Injury Severity^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Injury Severity^1*Report Publication Date^2 + -0.000000000 * Injury Severity^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Injury Severity^1*Unnamed: 30^2 + -0.002941801 * Aircraft Category^3 + 0.000000265 * Aircraft Category^2*Registration Number^1 + 0.000009809 * Aircraft Category^2*Make^1 + -0.000005060 * Aircraft Category^2*Model^1 + -0.000410336 * Aircraft Category^2*Amateur Built^1 + -0.000077169 * Aircraft Category^2*Number of Engines^1 + -0.000449187 * Aircraft Category^2*Engine Type^1 + -0.005083466 * Aircraft Category^2*FAR Description^1 + 0.000529032 * Aircraft Category^2*Schedule^1 + -0.001224805 * Aircraft Category^2*Purpose of Flight^1 + 0.001784283 * Aircraft Category^2*Air Carrier^1 + 0.000039410 * Aircraft Category^2*Total Fatal Injuries^1 + 0.002652140 * Aircraft Category^2*Total Serious Injuries^1 + -0.001092333 * Aircraft Category^2*Total Minor Injuries^1 + 0.000259593 * Aircraft Category^2*Total Uninjured^1 + -0.000507000 * Aircraft Category^2*Weather Condition^1 + -0.002250218 * Aircraft

Category^2*Broad Phase of Flight^1 + 0.000027569 * Aircraft Category^2*Report Publication Date^1 + 0.000000000 * Aircraft Category^2*Unnamed: 30^1 + 0.000000000 * Aircraft Category^1*Registration Number^2 + -0.000000000 * Aircraft Category^1*Registration Number^1*Make^1 + -0.000000000 * Aircraft Category^1*Registration Number^1*Model^1 + -0.000000561 * Aircraft Category^1*Registration Number^1*Amateur Built^1 + -0.000000042 * Aircraft Category^1*Registration Number^1*Number of Engines^1 + -0.000000160 * Aircraft Category^1*Registration Number^1*Engine Type^1 + -0.000000138 * Aircraft Category^1*Registration Number^1*FAR Description^1 + -0.000000354 * Aircraft Category^1*Registration Number^1*Schedule^1 + -0.000000044 * Aircraft Category^1*Registration Number^1*Purpose of Flight^1 + 0.000000001 * Aircraft Category^1*Registration Number^1*Air Carrier^1 + -0.000000059 * Aircraft Category^1*Registration Number^1*Total Fatal Injuries^1 + 0.000000029 * Aircraft Category^1*Registration Number^1*Total Serious Injuries^1 + 0.000000021 * Aircraft Category^1*Registration Number^1*Total Minor Injuries^1 + -0.000000002 * Aircraft Category^1*Registration Number^1*Total Uninjured^1 + -0.000000964 * Aircraft Category^1*Registration Number^1*Weather Condition^1 + 0.000000074 * Aircraft Category^1*Registration Number^1*Broad Phase of Flight^1 + -0.000000000 * Aircraft Category^1*Registration Number^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Registration Number^1*Unnamed: 30^1 + -0.000000006 * Aircraft Category^1*Make^2 + -0.000000001 * Aircraft Category^1*Make^1*Model^1 + -0.000005604 * Aircraft Category^1*Make^1*Amateur Built^1 + -0.000005319 * Aircraft Category^1*Make^1*Number of Engines^1 + 0.000004165 * Aircraft Category^1*Make^1*Engine Type^1 + -0.000001552 * Aircraft Category^1*Make^1*FAR Description^1 + -0.000002901 * Aircraft Category^1*Make^1*Schedule^1 + 0.000000691 * Aircraft Category^1*Make^1*Purpose of Flight^1 + -0.000000019 * Aircraft Category^1*Make^1*Air Carrier^1 + 0.000000491 * Aircraft Category^1*Make^1*Total Fatal Injuries^1 + 0.000001570 * Aircraft Category^1*Make^1*Total Serious Injuries^1 + 0.000002372 * Aircraft Category^1*Make^1*Total Minor Injuries^1 + 0.000000001 * Aircraft Category^1*Make^1*Total Uninjured^1 + -0.000011312 * Aircraft Category^1*Make^1*Weather Condition^1 + -0.000000621 * Aircraft Category^1*Make^1*Broad Phase of Flight^1 + -0.000000037 * Aircraft Category^1*Make^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Make^1*Unnamed: 30^1 + -0.000000001 * Aircraft Category^1*Model^2 + 0.000015348 * Aircraft Category^1*Model^1*Amateur Built^1 + 0.000007358 * Aircraft Category^1*Model^1*Number of Engines^1 + -0.000002593 * Aircraft Category^1*Model^1*Engine Type^1 + -0.000000057 * Aircraft Category^1*Model^1*FAR Description^1 + 0.000000094 * Aircraft Category^1*Model^1*Schedule^1 + 0.000000280 * Aircraft Category^1*Model^1*Purpose of Flight^1 + -0.000000019 * Aircraft Category^1*Model^1*Air Carrier^1 + -0.000000111 * Aircraft Category^1*Model^1*Total Fatal Injuries^1 + 0.000000936 * Aircraft Category^1*Model^1*Total Serious Injuries^1 + -0.000000769 * Aircraft Category^1*Model^1*Total Minor Injuries^1 + 0.000000025 * Aircraft Category^1*Model^1*Total Uninjured^1 + -0.000004804 * Aircraft Category^1*Model^1*Weather Condition^1 + 0.000000661 * Aircraft Category^1*Model^1*Broad Phase of Flight^1 + 0.000000012 * Aircraft Category^1*Model^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Model^1*Unnamed: 30^1 + -0.000037298 * Aircraft Category^1*Amateur Built^2 + 0.000033980 * Aircraft Category^1*Amateur Built^1*Number of Engines^1 + -0.000571878 * Aircraft Category^1*Amateur Built^1*Engine Type^1 + 0.000271238 * Aircraft Category^1*Amateur Built^1*FAR Description^1 + -0.000129147 * Aircraft Category^1*Amateur Built^1*Schedule^1 +

0.002080878 * Aircraft Category^1*Amateur Built^1*Purpose of Flight^1 + 0.002159581 * Aircraft Category^1*Amateur Built^1*Air Carrier^1 + -0.005332883 * Aircraft Category^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000599486 * Aircraft Category^1*Amateur Built^1*Total Serious Injuries^1 + -0.000602488 * Aircraft Category^1*Amateur Built^1*Total Minor Injuries^1 + -0.000781525 * Aircraft Category^1*Amateur Built^1*Total Uninjured^1 + -0.000150158 * Aircraft Category^1*Amateur Built^1*Weather Condition^1 + 0.000225211 * Aircraft Category^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000039782 * Aircraft Category^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Amateur Built^1*Unnamed: 30^1 + -0.000321325 * Aircraft Category^1*Number of Engines^2 + 0.000313208 * Aircraft Category^1*Number of Engines^1*Engine Type^1 + 0.001096921 * Aircraft Category^1*Number of Engines^1*FAR Description^1 + 0.000130344 * Aircraft Category^1*Number of Engines^1*Schedule^1 + -0.002993254 * Aircraft Category^1*Number of Engines^1*Purpose of Flight^1 + 0.000078229 * Aircraft Category^1*Number of Engines^1*Air Carrier^1 + -0.000656921 * Aircraft Category^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000268718 * Aircraft Category^1*Number of Engines^1*Total Serious Injuries^1 + 0.000286335 * Aircraft Category^1*Number of Engines^1*Total Minor Injuries^1 + 0.000299329 * Aircraft Category^1*Number of Engines^1*Total Uninjured^1 + -0.000345670 * Aircraft Category^1*Number of Engines^1*Weather Condition^1 + -0.001257352 * Aircraft Category^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000039269 * Aircraft Category^1*Number of Engines^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Number of Engines^1*Unnamed: 30^1 + -0.000769434 * Aircraft Category^1*Engine Type^2 + 0.004451528 * Aircraft Category^1*Engine Type^1*FAR Description^1 + -0.001594757 * Aircraft Category^1*Engine Type^1*Schedule^1 + 0.000636847 * Aircraft Category^1*Engine Type^1*Purpose of Flight^1 + 0.000074741 * Aircraft Category^1*Engine Type^1*Air Carrier^1 + 0.000288330 * Aircraft Category^1*Engine Type^1*Total Fatal Injuries^1 + -0.001878024 * Aircraft Category^1*Engine Type^1*Total Serious Injuries^1 + 0.000821290 * Aircraft Category^1*Engine Type^1*Total Minor Injuries^1 + -0.000093359 * Aircraft Category^1*Engine Type^1*Total Uninjured^1 + -0.000225959 * Aircraft Category^1*Engine Type^1*Weather Condition^1 + 0.001206792 * Aircraft Category^1*Engine Type^1*Broad Phase of Flight^1 + 0.000001730 * Aircraft Category^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Engine Type^1*Unnamed: 30^1 + 0.001266561 * Aircraft Category^1*FAR Description^2 + 0.001291458 * Aircraft Category^1*FAR Description^1*Schedule^1 + 0.000823511 * Aircraft Category^1*FAR Description^1*Purpose of Flight^1 + -0.000952323 * Aircraft Category^1*FAR Description^1*Air Carrier^1 + 0.000359583 * Aircraft Category^1*FAR Description^1*Total Fatal Injuries^1 + 0.000428987 * Aircraft Category^1*FAR Description^1*Total Serious Injuries^1 + -0.000401592 * Aircraft Category^1*FAR Description^1*Total Minor Injuries^1 + -0.000117994 * Aircraft Category^1*FAR Description^1*Total Uninjured^1 + -0.002156978 * Aircraft Category^1*FAR Description^1*Weather Condition^1 + -0.002806324 * Aircraft Category^1*FAR Description^1*Broad Phase of Flight^1 + -0.000003115 * Aircraft Category^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*FAR Description^1*Unnamed: 30^1 + -0.000799237 * Aircraft Category^1*Schedule^2 + 0.000343158 * Aircraft Category^1*Schedule^1*Purpose of Flight^1 + -0.000339055 * Aircraft Category^1*Schedule^1*Air Carrier^1 + 0.002029393 * Aircraft Category^1*Schedule^1*Total Fatal Injuries^1 + -0.001387266 * Aircraft Category^1*Schedule^1*Total Serious Injuries^1 + -0.003353619 * Aircraft Category^1*Schedule^1*Total Minor Injuries^1 + -0.000305691 * Aircraft Category^1*Schedule^1*Total Uninjured^1 + -0.000233598 * Aircraft Category^1*Schedule^1*Weather

Condition^1 + -0.003552238 * Aircraft Category^1*Schedule^1*Broad Phase of Flight^1 + 0.000000608 * Aircraft Category^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Schedule^1*Unnamed: 30^1 + -0.000024209 * Aircraft Category^1*Purpose of Flight^2 + -0.000016374 * Aircraft Category^1*Purpose of Flight^1*Air Carrier^1 + 0.000041793 * Aircraft Category^1*Purpose of Flight^1*Total Fatal Injuries^1 + -0.001717050 * Aircraft Category^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000763780 * Aircraft Category^1*Purpose of Flight^1*Total Minor Injuries^1 + 0.000005339 * Aircraft Category^1*Purpose of Flight^1*Total Uninjured^1 + 0.003738370 * Aircraft Category^1*Purpose of Flight^1*Weather Condition^1 + -0.001130378 * Aircraft Category^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000003358 * Aircraft Category^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000192 * Aircraft Category^1*Air Carrier^2 + -0.000001464 * Aircraft Category^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000012345 * Aircraft Category^1*Air Carrier^1*Total Serious Injuries^1 + 0.000004078 * Aircraft Category^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000338 * Aircraft Category^1*Air Carrier^1*Total Uninjured^1 + -0.000056780 * Aircraft Category^1*Air Carrier^1*Weather Condition^1 + -0.000009532 * Aircraft Category^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000025 * Aircraft Category^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Air Carrier^1*Unnamed: 30^1 + -0.000089738 * Aircraft Category^1*Total Fatal Injuries^2 + 0.000593840 * Aircraft Category^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000600061 * Aircraft Category^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000045046 * Aircraft Category^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.000995864 * Aircraft Category^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000326057 * Aircraft Category^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000119 * Aircraft Category^1*Total Fatal Injuries^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Total Fatal Injuries^1*Unnamed: 30^1 + -0.001127963 * Aircraft Category^1*Total Serious Injuries^2 + -0.000286591 * Aircraft Category^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000159862 * Aircraft Category^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000971177 * Aircraft Category^1*Total Serious Injuries^1*Weather Condition^1 + -0.000885080 * Aircraft Category^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000004390 * Aircraft Category^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000299456 * Aircraft Category^1*Total Minor Injuries^2 + -0.000098663 * Aircraft Category^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000164152 * Aircraft Category^1*Total Minor Injuries^1*Weather Condition^1 + 0.000394730 * Aircraft Category^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000003646 * Aircraft Category^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000783 * Aircraft Category^1*Total Uninjured^2 + 0.000051236 * Aircraft Category^1*Total Uninjured^1*Weather Condition^1 + -0.000063054 * Aircraft Category^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000065 * Aircraft Category^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Total Uninjured^1*Unnamed: 30^1 + -0.000236437 * Aircraft Category^1*Weather Condition^2 + -0.002419245 * Aircraft Category^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000026641 * Aircraft Category^1*Weather Condition^1*Report Publication Date^1 + -0.000000000 * Aircraft Category^1*Weather Condition^1*Unnamed: 30^1 + -0.001364482 * Aircraft Category^1*Broad Phase of Flight^2 + 0.000001017 * Aircraft Category^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Aircraft Category^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000006 * Aircraft

Category^1*Report Publication Date^2 + 0.000000000 * Aircraft Category^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Aircraft Category^1*Unnamed: 30^2 + 0.000000000 * Registration Number^3 + -0.000000000 * Registration Number^2*Make^1 + 0.000000000 * Registration Number^2*Model^1 + 0.000000000 * Registration Number^2*Amateur Built^1 + -0.000000000 * Registration Number^2*Number of Engines^1 + -0.000000000 * Registration Number^2*Engine Type^1 + -0.000000000 * Registration Number^2*FAR Description^1 + 0.000000000 * Registration Number^2*Schedule^1 + 0.000000000 * Registration Number^2*Purpose of Flight^1 + 0.000000000 * Registration Number^2*Air Carrier^1 + -0.000000000 * Registration Number^2*Total Fatal Injuries^1 + 0.000000000 * Registration Number^2*Total Serious Injuries^1 + -0.000000000 * Registration Number^2*Total Minor Injuries^1 + -0.000000000 * Registration Number^2*Total Uninjured^1 + 0.000000000 * Registration Number^2*Weather Condition^1 + -0.000000000 * Registration Number^2*Broad Phase of Flight^1 + 0.000000000 * Registration Number^2*Report Publication Date^1 + -0.000000000 * Registration Number^2*Unnamed: 30^1 + 0.000000000 * Registration Number^1*Make^2 + -0.000000000 * Registration Number^1*Make^1*Model^1 + -0.000000000 * Registration Number^1*Make^1*Amateur Built^1 + 0.000000000 * Registration Number^1*Make^1*Number of Engines^1 + -0.000000000 * Registration Number^1*Make^1*Engine Type^1 + 0.000000000 * Registration Number^1*Make^1*FAR Description^1 + -0.000000000 * Registration Number^1*Make^1*Schedule^1 + 0.000000000 * Registration Number^1*Make^1*Purpose of Flight^1 + 0.000000000 * Registration Number^1*Make^1*Air Carrier^1 + 0.000000000 * Registration Number^1*Make^1*Total Fatal Injuries^1 + 0.000000000 * Registration Number^1*Make^1*Total Serious Injuries^1 + 0.000000000 * Registration Number^1*Make^1*Total Minor Injuries^1 + 0.000000000 * Registration Number^1*Make^1*Total Uninjured^1 + 0.000000000 * Registration Number^1*Make^1*Weather Condition^1 + -0.000000000 * Registration Number^1*Make^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Make^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Make^1*Unnamed: 30^1 + 0.000000000 * Registration Number^1*Model^2 + -0.000000000 * Registration Number^1*Model^1*Amateur Built^1 + 0.000000000 * Registration Number^1*Model^1*Number of Engines^1 + 0.000000000 * Registration Number^1*Model^1*Engine Type^1 + 0.000000000 * Registration Number^1*Model^1*FAR Description^1 + 0.000000000 * Registration Number^1*Model^1*Schedule^1 + -0.000000000 * Registration Number^1*Model^1*Purpose of Flight^1 + 0.000000000 * Registration Number^1*Model^1*Air Carrier^1 + -0.000000000 * Registration Number^1*Model^1*Total Fatal Injuries^1 + -0.000000000 * Registration Number^1*Model^1*Total Serious Injuries^1 + -0.000000000 * Registration Number^1*Model^1*Total Minor Injuries^1 + -0.000000000 * Registration Number^1*Model^1*Total Uninjured^1 + -0.000000000 * Registration Number^1*Model^1*Weather Condition^1 + 0.000000000 * Registration Number^1*Model^1*Broad Phase of Flight^1 + 0.000000000 * Registration Number^1*Model^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Model^1*Unnamed: 30^1 + -0.000003597 * Registration Number^1*Amateur Built^2 + -0.000000202 * Registration Number^1*Amateur Built^1*Number of Engines^1 + -0.000000496 * Registration Number^1*Amateur Built^1*Engine Type^1 + 0.000000010 * Registration Number^1*Amateur Built^1*FAR Description^1 + 0.000000560 * Registration Number^1*Amateur Built^1*Schedule^1 + -0.000000023 * Registration Number^1*Amateur Built^1*Purpose of Flight^1 + -0.000000084 * Registration Number^1*Amateur Built^1*Air Carrier^1 + 0.000000037 * Registration Number^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000000000 * Registration Number^1*Amateur

Built^1*Total Serious Injuries^1 + 0.000000020 * Registration Number^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000036 * Registration Number^1*Amateur Built^1*Total Uninjured^1 + 0.000001207 * Registration Number^1*Amateur Built^1*Weather Condition^1 + -0.000000015 * Registration Number^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000001 * Registration Number^1*Amateur Built^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Amateur Built^1*Unnamed: 30^1 + -0.000000376 * Registration Number^1*Number of Engines^2 + -0.000000210 * Registration Number^1*Number of Engines^1*Engine Type^1 + 0.000000016 * Registration Number^1*Number of Engines^1*FAR Description^1 + -0.000000565 * Registration Number^1*Number of Engines^1*Schedule^1 + 0.000000071 * Registration Number^1*Number of Engines^1*Purpose of Flight^1 + 0.000000001 * Registration Number^1*Number of Engines^1*Air Carrier^1 + 0.000000012 * Registration Number^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000000027 * Registration Number^1*Number of Engines^1*Total Serious Injuries^1 + 0.000000101 * Registration Number^1*Number of Engines^1*Total Minor Injuries^1 + -0.000000001 * Registration Number^1*Number of Engines^1*Total Uninjured^1 + -0.000000305 * Registration Number^1*Number of Engines^1*Weather Condition^1 + 0.000000114 * Registration Number^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000000 * Registration Number^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Number of Engines^1*Unnamed: 30^1 + 0.000000137 * Registration Number^1*Engine Type^2 + 0.000000056 * Registration Number^1*Engine Type^1*FAR Description^1 + 0.000000002 * Registration Number^1*Engine Type^1*Schedule^1 + 0.000000011 * Registration Number^1*Engine Type^1*Purpose of Flight^1 + 0.000000000 * Registration Number^1*Engine Type^1*Air Carrier^1 + 0.000000005 * Registration Number^1*Engine Type^1*Total Fatal Injuries^1 + 0.000000033 * Registration Number^1*Engine Type^1*Total Serious Injuries^1 + -0.000000018 * Registration Number^1*Engine Type^1*Total Minor Injuries^1 + -0.000000002 * Registration Number^1*Engine Type^1*Total Uninjured^1 + -0.000000049 * Registration Number^1*Engine Type^1*Weather Condition^1 + 0.000000009 * Registration Number^1*Engine Type^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Engine Type^1*Unnamed: 30^1 + -0.000000023 * Registration Number^1*FAR Description^2 + 0.000000078 * Registration Number^1*FAR Description^1*Schedule^1 + 0.000000012 * Registration Number^1*FAR Description^1*Purpose of Flight^1 + -0.000000000 * Registration Number^1*FAR Description^1*Air Carrier^1 + 0.000000006 * Registration Number^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000024 * Registration Number^1*FAR Description^1*Total Serious Injuries^1 + 0.000000006 * Registration Number^1*FAR Description^1*Total Minor Injuries^1 + 0.000000000 * Registration Number^1*FAR Description^1*Total Uninjured^1 + 0.000000066 * Registration Number^1*FAR Description^1*Weather Condition^1 + -0.000000032 * Registration Number^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*FAR Description^1*Unnamed: 30^1 + -0.000000261 * Registration Number^1*Schedule^2 + -0.000000018 * Registration Number^1*Schedule^1*Purpose of Flight^1 + -0.000000000 * Registration Number^1*Schedule^1*Air Carrier^1 + 0.000000009 * Registration Number^1*Schedule^1*Total Fatal Injuries^1 + -0.000000036 * Registration Number^1*Schedule^1*Total Serious Injuries^1 + 0.000000046 * Registration Number^1*Schedule^1*Total Minor Injuries^1 + 0.000000000 * Registration Number^1*Schedule^1*Total Uninjured^1 + 0.000000070 * Registration Number^1*Schedule^1*Weather Condition^1 + 0.000000038 * Registration

Number^1*Schedule^1*Broad Phase of Flight^1 + 0.000000000 * Registration Number^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Schedule^1*Unnamed: 30^1 + -0.000000006 * Registration Number^1*Purpose of Flight^2 + 0.000000000 * Registration Number^1*Purpose of Flight^1*Air Carrier^1 + -0.000000001 * Registration Number^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000005 * Registration Number^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000002 * Registration Number^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000000 * Registration Number^1*Purpose of Flight^1*Total Uninjured^1 + -0.000000052 * Registration Number^1*Purpose of Flight^1*Weather Condition^1 + -0.000000030 * Registration Number^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Purpose of Flight^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000000 * Registration Number^1*Air Carrier^2 + 0.000000000 * Registration Number^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000000 * Registration Number^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000000 * Registration Number^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Registration Number^1*Air Carrier^1*Total Uninjured^1 + 0.000000000 * Registration Number^1*Air Carrier^1*Weather Condition^1 + 0.000000000 * Registration Number^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Air Carrier^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Air Carrier^1*Unnamed: 30^1 + -0.000000003 * Registration Number^1*Total Fatal Injuries^2 + -0.000000007 * Registration Number^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000004 * Registration Number^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000000 * Registration Number^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.000000015 * Registration Number^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000004 * Registration Number^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000013 * Registration Number^1*Total Serious Injuries^2 + -0.000000007 * Registration Number^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000003 * Registration Number^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000000077 * Registration Number^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000016 * Registration Number^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000000001 * Registration Number^1*Total Minor Injuries^2 + 0.000000000 * Registration Number^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000032 * Registration Number^1*Total Minor Injuries^1*Weather Condition^1 + -0.000000010 * Registration Number^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Registration Number^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000000 * Registration Number^1*Total Uninjured^2 + -0.000000003 * Registration Number^1*Total Uninjured^1*Weather Condition^1 + -0.000000000 * Registration Number^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Total Uninjured^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Total Uninjured^1*Unnamed: 30^1 + 0.000000542 * Registration Number^1*Weather Condition^2 + 0.000000043 * Registration Number^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000000 * Registration Number^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Registration Number^1*Weather Condition^1*Unnamed: 30^1 + 0.000000009 * Registration Number^1*Broad Phase of Flight^2 + -0.000000000 * Registration Number^1*Broad Phase of

Flight^1*Report Publication Date^1 + -0.000000000 * Registration Number^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Registration Number^1*Report Publication Date^2 + 0.000000000 * Registration Number^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Registration Number^1*Unnamed: 30^2 + 0.000000000 * Make^3 + 0.000000000 * Make^2*Model^1 + -0.000000007 * Make^2*Amateur Built^1 + 0.000000004 * Make^2*Number of Engines^1 + -0.000000001 * Make^2*Engine Type^1 + 0.000000000 * Make^2*FAR Description^1 + -0.000000005 * Make^2*Schedule^1 + -0.000000000 * Make^2*Purpose of Flight^1 + 0.000000000 * Make^2*Air Carrier^1 + 0.000000000 * Make^2*Total Fatal Injuries^1 + 0.000000000 * Make^2*Total Serious Injuries^1 + 0.000000000 * Make^2*Total Minor Injuries^1 + -0.000000000 * Make^2*Total Uninjured^1 + 0.000000001 * Make^2*Weather Condition^1 + 0.000000000 * Make^2*Broad Phase of Flight^1 + -0.000000000 * Make^2*Report Publication Date^1 + 0.000000000 * Make^2*Unnamed: 30^1 + -0.000000000 * Make^1*Model^2 + 0.000000001 * Make^1*Model^1*Amateur Built^1 + 0.000000002 * Make^1*Model^1*Number of Engines^1 + -0.000000001 * Make^1*Model^1*Engine Type^1 + 0.000000000 * Make^1*Model^1*FAR Description^1 + -0.000000001 * Make^1*Model^1*Schedule^1 + -0.000000000 * Make^1*Model^1*Purpose of Flight^1 + -0.000000000 * Make^1*Model^1*Air Carrier^1 + 0.000000000 * Make^1*Model^1*Total Fatal Injuries^1 + -0.000000000 * Make^1*Model^1*Total Serious Injuries^1 + 0.000000000 * Make^1*Model^1*Total Minor Injuries^1 + -0.000000000 * Make^1*Model^1*Total Uninjured^1 + 0.000000001 * Make^1*Model^1*Weather Condition^1 + -0.000000000 * Make^1*Model^1*Broad Phase of Flight^1 + -0.000000000 * Make^1*Model^1*Report Publication Date^1 + -0.000000000 * Make^1*Model^1*Unnamed: 30^1 + -0.000011301 * Make^1*Amateur Built^2 + 0.000066096 * Make^1*Amateur Built^1*Number of Engines^1 + 0.000020401 * Make^1*Amateur Built^1*Engine Type^1 + 0.000000665 * Make^1*Amateur Built^1*FAR Description^1 + 0.000015977 * Make^1*Amateur Built^1*Schedule^1 + -0.000006598 * Make^1*Amateur Built^1*Purpose of Flight^1 + 0.000001292 * Make^1*Amateur Built^1*Air Carrier^1 + 0.000000585 * Make^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000001689 * Make^1*Amateur Built^1*Total Serious Injuries^1 + 0.000001277 * Make^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000126 * Make^1*Amateur Built^1*Total Uninjured^1 + -0.000041518 * Make^1*Amateur Built^1*Weather Condition^1 + -0.000000968 * Make^1*Amateur Built^1*Broad Phase of Flight^1 + -0.000000012 * Make^1*Amateur Built^1*Report Publication Date^1 + -0.000000000 * Make^1*Amateur Built^1*Unnamed: 30^1 + 0.000006728 * Make^1*Number of Engines^2 + -0.000006112 * Make^1*Number of Engines^1*Engine Type^1 + -0.000000068 * Make^1*Number of Engines^1*FAR Description^1 + 0.000012006 * Make^1*Number of Engines^1*Schedule^1 + 0.000000201 * Make^1*Number of Engines^1*Purpose of Flight^1 + -0.000000017 * Make^1*Number of Engines^1*Air Carrier^1 + 0.000000053 * Make^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000000294 * Make^1*Number of Engines^1*Total Serious Injuries^1 + 0.000001586 * Make^1*Number of Engines^1*Total Minor Injuries^1 + 0.000000116 * Make^1*Number of Engines^1*Total Uninjured^1 + 0.000002261 * Make^1*Number of Engines^1*Weather Condition^1 + -0.000001368 * Make^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000000 * Make^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Make^1*Number of Engines^1*Unnamed: 30^1 + 0.000000924 * Make^1*Engine Type^2 + -0.000001667 * Make^1*Engine Type^1*FAR Description^1 + -0.000003861 * Make^1*Engine Type^1*Schedule^1 + -0.000000666 * Make^1*Engine Type^1*Purpose of Flight^1 + 0.000000008 * Make^1*Engine Type^1*Air Carrier^1 + 0.000000118 * Make^1*Engine Type^1*Total Fatal Injuries^1 + 0.000001252 * Make^1*Engine Type^1*Total Serious Injuries^1 + 0.000000462 *

Make^1*Engine Type^1*Total Minor Injuries^1 + 0.000000027 * Make^1*Engine Type^1*Total Uninjured^1 + -0.000001843 * Make^1*Engine Type^1*Weather Condition^1 + 0.000000989 * Make^1*Engine Type^1*Broad Phase of Flight^1 + 0.000000001 * Make^1*Engine Type^1*Report Publication Date^1 + -0.000000000 * Make^1*Engine Type^1*Unnamed: 30^1 + -0.000000014 * Make^1*FAR Description^2 + 0.000000051 * Make^1*FAR Description^1*Schedule^1 + -0.000000223 * Make^1*FAR Description^1*Purpose of Flight^1 + 0.000000000 * Make^1*FAR Description^1*Air Carrier^1 + -0.000000026 * Make^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000051 * Make^1*FAR Description^1*Total Serious Injuries^1 + -0.000000233 * Make^1*FAR Description^1*Total Minor Injuries^1 + -0.000000009 * Make^1*FAR Description^1*Total Uninjured^1 + 0.000000921 * Make^1*FAR Description^1*Weather Condition^1 + 0.000000136 * Make^1*FAR Description^1*Broad Phase of Flight^1 + 0.000000003 * Make^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Make^1*FAR Description^1*Unnamed: 30^1 + 0.000010046 * Make^1*Schedule^2 + 0.000001164 * Make^1*Schedule^1*Purpose of Flight^1 + -0.000000008 * Make^1*Schedule^1*Air Carrier^1 + -0.000000296 * Make^1*Schedule^1*Total Fatal Injuries^1 + 0.000000201 * Make^1*Schedule^1*Total Serious Injuries^1 + -0.000001392 * Make^1*Schedule^1*Total Minor Injuries^1 + -0.000000091 * Make^1*Schedule^1*Total Uninjured^1 + -0.000004601 * Make^1*Schedule^1*Weather Condition^1 + -0.000000310 * Make^1*Schedule^1*Broad Phase of Flight^1 + -0.000000002 * Make^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Make^1*Schedule^1*Unnamed: 30^1 + 0.000000162 * Make^1*Purpose of Flight^2 + -0.000000001 * Make^1*Purpose of Flight^1*Air Carrier^1 + 0.000000011 * Make^1*Purpose of Flight^1*Total Fatal Injuries^1 + -0.000000236 * Make^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000230 * Make^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000001 * Make^1*Purpose of Flight^1*Total Uninjured^1 + 0.000002114 * Make^1*Purpose of Flight^1*Weather Condition^1 + 0.000000006 * Make^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000001 * Make^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Make^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000000 * Make^1*Air Carrier^2 + -0.000000001 * Make^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000004 * Make^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000002 * Make^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000000 * Make^1*Air Carrier^1*Total Uninjured^1 + -0.000000011 * Make^1*Air Carrier^1*Weather Condition^1 + 0.000000000 * Make^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Make^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Make^1*Air Carrier^1*Unnamed: 30^1 + -0.000000061 * Make^1*Total Fatal Injuries^2 + -0.000000128 * Make^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000145 * Make^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000000030 * Make^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000023 * Make^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000081 * Make^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Make^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Make^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000164 * Make^1*Total Serious Injuries^2 + -0.000000080 * Make^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000000004 * Make^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000003949 * Make^1*Total Serious Injuries^1*Weather Condition^1 + 0.000000074 * Make^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000000 * Make^1*Total Serious Injuries^1*Report Publication Date^1 + -0.000000000 * Make^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000000064 * Make^1*Total Minor Injuries^2 + -0.000000018 * Make^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000916 * Make^1*Total Minor Injuries^1*Weather Condition^1 + 0.000000160 * Make^1*Total

Minor Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Make^1*Total Minor Injuries^1*Report Publication Date^1 + -0.000000000 * Make^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000001 * Make^1*Total Uninjured^2 + 0.000000035 * Make^1*Total Uninjured^1*Weather Condition^1 + 0.000000034 * Make^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Make^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Make^1*Total Uninjured^1*Unnamed: 30^1 + 0.000006153 * Make^1*Weather Condition^2 + -0.000001105 * Make^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000004 * Make^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Make^1*Weather Condition^1*Unnamed: 30^1 + -0.000000346 * Make^1*Broad Phase of Flight^2 + -0.000000000 * Make^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Make^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Make^1*Report Publication Date^2 + 0.000000000 * Make^1*Report Publication Date^1*Unnamed: 30^1 + -0.000000000 * Make^1*Unnamed: 30^2 + -0.000000000 * Model^3 + -0.000000001 * Model^2*Amateur Built^1 + 0.000000001 * Model^2*Number of Engines^1 + 0.000000001 * Model^2*Engine Type^1 + -0.000000000 * Model^2*FAR Description^1 + 0.000000001 * Model^2*Schedule^1 + 0.000000000 * Model^2*Purpose of Flight^1 + -0.000000000 * Model^2*Air Carrier^1 + -0.000000000 * Model^2*Total Fatal Injuries^1 + -0.000000000 * Model^2*Total Serious Injuries^1 + -0.000000000 * Model^2*Total Minor Injuries^1 + -0.000000000 * Model^2*Total Uninjured^1 + 0.000000000 * Model^2*Weather Condition^1 + 0.000000000 * Model^2*Broad Phase of Flight^1 + 0.000000000 * Model^2*Report Publication Date^1 + 0.000000000 * Model^2*Unnamed: 30^1 + -0.000000503 * Model^1*Amateur Built^2 + -0.000016136 * Model^1*Amateur Built^1*Number of Engines^1 + -0.000001196 * Model^1*Amateur Built^1*Engine Type^1 + -0.000000977 * Model^1*Amateur Built^1*FAR Description^1 + -0.000000045 * Model^1*Amateur Built^1*Schedule^1 + 0.000001359 * Model^1*Amateur Built^1*Purpose of Flight^1 + -0.000000098 * Model^1*Amateur Built^1*Air Carrier^1 + 0.000000588 * Model^1*Amateur Built^1*Total Fatal Injuries^1 + -0.000002047 * Model^1*Amateur Built^1*Total Serious Injuries^1 + 0.000001442 * Model^1*Amateur Built^1*Total Minor Injuries^1 + 0.000000075 * Model^1*Amateur Built^1*Total Uninjured^1 + 0.000008902 * Model^1*Amateur Built^1*Weather Condition^1 + -0.000001221 * Model^1*Amateur Built^1*Broad Phase of Flight^1 + 0.000000008 * Model^1*Amateur Built^1*Report Publication Date^1 + 0.000000000 * Model^1*Amateur Built^1*Unnamed: 30^1 + -0.000001830 * Model^1*Number of Engines^2 + -0.000001527 * Model^1*Number of Engines^1*Engine Type^1 + -0.000000957 * Model^1*Number of Engines^1*FAR Description^1 + 0.000005019 * Model^1*Number of Engines^1*Schedule^1 + -0.000000743 * Model^1*Number of Engines^1*Purpose of Flight^1 + -0.000000027 * Model^1*Number of Engines^1*Air Carrier^1 + -0.000000150 * Model^1*Number of Engines^1*Total Fatal Injuries^1 + 0.000000391 * Model^1*Number of Engines^1*Total Serious Injuries^1 + -0.000000722 * Model^1*Number of Engines^1*Total Minor Injuries^1 + -0.000000019 * Model^1*Number of Engines^1*Total Uninjured^1 + -0.000005242 * Model^1*Number of Engines^1*Weather Condition^1 + -0.000000006 * Model^1*Number of Engines^1*Broad Phase of Flight^1 + 0.000000006 * Model^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Model^1*Number of Engines^1*Unnamed: 30^1 + 0.000000313 * Model^1*Engine Type^2 + 0.000000784 * Model^1*Engine Type^1*FAR Description^1 + 0.000000385 * Model^1*Engine Type^1*Schedule^1 + 0.000000088 * Model^1*Engine Type^1*Purpose of Flight^1 + 0.000000004 * Model^1*Engine Type^1*Air Carrier^1 + -0.000000023 * Model^1*Engine Type^1*Total Fatal Injuries^1 + -0.000000369 * Model^1*Engine Type^1*Total Serious Injuries^1 + -0.000000181 * Model^1*Engine Type^1*Total Minor Injuries^1 + -0.000000018 * Model^1*Engine Type^1*Total Uninjured^1 + 0.000001480 * Model^1*Engine

Type^1*Weather Condition^1 + -0.000000514 * Model^1*Engine Type^1*Broad Phase of Flight^1 + 0.000000001 * Model^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Model^1*Engine Type^1*Unnamed: 30^1 + 0.000000042 * Model^1*FAR Description^2 + -0.000000281 * Model^1*FAR Description^1*Schedule^1 + -0.000000082 * Model^1*FAR Description^1*Purpose of Flight^1 + 0.000000002 * Model^1*FAR Description^1*Air Carrier^1 + -0.000000008 * Model^1*FAR Description^1*Total Fatal Injuries^1 + -0.000000180 * Model^1*FAR Description^1*Total Serious Injuries^1 + 0.000000179 * Model^1*FAR Description^1*Total Minor Injuries^1 + 0.000000001 * Model^1*FAR Description^1*Total Uninjured^1 + -0.000000280 * Model^1*FAR Description^1*Weather Condition^1 + -0.000000015 * Model^1*FAR Description^1*Broad Phase of Flight^1 + -0.000000001 * Model^1*FAR Description^1*Report Publication Date^1 + -0.000000000 * Model^1*FAR Description^1*Unnamed: 30^1 + -0.000001267 * Model^1*Schedule^2 + 0.000000416 * Model^1*Schedule^1*Purpose of Flight^1 + 0.000000031 * Model^1*Schedule^1*Air Carrier^1 + -0.000000096 * Model^1*Schedule^1*Total Fatal Injuries^1 + -0.000000347 * Model^1*Schedule^1*Total Serious Injuries^1 + 0.000000903 * Model^1*Schedule^1*Total Minor Injuries^1 + 0.000000044 * Model^1*Schedule^1*Total Uninjured^1 + 0.000000323 * Model^1*Schedule^1*Weather Condition^1 + 0.000000316 * Model^1*Schedule^1*Broad Phase of Flight^1 + 0.000000001 * Model^1*Schedule^1*Report Publication Date^1 + -0.000000000 * Model^1*Schedule^1*Unnamed: 30^1 + 0.000000041 * Model^1*Purpose of Flight^2 + 0.000000001 * Model^1*Purpose of Flight^1*Air Carrier^1 + -0.000000036 * Model^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000000158 * Model^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000000059 * Model^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000000002 * Model^1*Purpose of Flight^1*Total Uninjured^1 + -0.000000448 * Model^1*Purpose of Flight^1*Weather Condition^1 + 0.000000105 * Model^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000000 * Model^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Model^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000000 * Model^1*Air Carrier^2 + 0.000000000 * Model^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000000004 * Model^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000000 * Model^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000000 * Model^1*Air Carrier^1*Total Uninjured^1 + 0.000000002 * Model^1*Air Carrier^1*Weather Condition^1 + -0.000000000 * Model^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000000 * Model^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Model^1*Air Carrier^1*Unnamed: 30^1 + -0.000000024 * Model^1*Total Fatal Injuries^2 + -0.000000018 * Model^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000000106 * Model^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000000007 * Model^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000000025 * Model^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000000017 * Model^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Model^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Model^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000195 * Model^1*Total Serious Injuries^2 + -0.000000088 * Model^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000048 * Model^1*Total Serious Injuries^1*Total Uninjured^1 + -0.000001410 * Model^1*Total Serious Injuries^1*Weather Condition^1 + -0.000000087 * Model^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000001 * Model^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Model^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000000029 * Model^1*Total Minor Injuries^2 + -0.000000008 * Model^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000000299 * Model^1*Total Minor Injuries^1*Weather Condition^1 + -0.000000074 * Model^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000000 * Model^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000

* Model^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000000 * Model^1*Total Uninjured^2 + -0.000000009 * Model^1*Total Uninjured^1*Weather Condition^1 + -0.000000010 * Model^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000000 * Model^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Model^1*Total Uninjured^1*Unnamed: 30^1 + 0.000006918 * Model^1*Weather Condition^2 + 0.000000453 * Model^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000003 * Model^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Model^1*Weather Condition^1*Unnamed: 30^1 + 0.000000093 * Model^1*Broad Phase of Flight^2 + -0.000000000 * Model^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Model^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Model^1*Report Publication Date^2 + 0.000000000 * Model^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Model^1*Unnamed: 30^2 + -0.000032400 * Amateur Built^3 + -0.000178349 * Amateur Built^2*Number of Engines^1 + 0.000287988 * Amateur Built^2*Engine Type^1 + 0.000264898 * Amateur Built^2*FAR Description^1 + -0.000154010 * Amateur Built^2*Schedule^1 + -0.000503932 * Amateur Built^2*Purpose of Flight^1 + -0.000184047 * Amateur Built^2*Air Carrier^1 + -0.000484695 * Amateur Built^2*Total Fatal Injuries^1 + -0.000311619 * Amateur Built^2*Total Serious Injuries^1 + -0.000329154 * Amateur Built^2*Total Minor Injuries^1 + -0.002252815 * Amateur Built^2*Total Uninjured^1 + -0.000213232 * Amateur Built^2*Weather Condition^1 + -0.000328664 * Amateur Built^2*Broad Phase of Flight^1 + 0.000188341 * Amateur Built^2*Report Publication Date^1 + 0.000000000 * Amateur Built^2*Unnamed: 30^1 + 0.000105150 * Amateur Built^1*Number of Engines^2 + 0.000639878 * Amateur Built^1*Number of Engines^1*Engine Type^1 + -0.001928679 * Amateur Built^1*Number of Engines^1*FAR Description^1 + -0.000075405 * Amateur Built^1*Number of Engines^1*Schedule^1 + -0.002578892 * Amateur Built^1*Number of Engines^1*Purpose of Flight^1 + -0.000203536 * Amateur Built^1*Number of Engines^1*Air Carrier^1 + -0.003960877 * Amateur Built^1*Number of Engines^1*Total Fatal Injuries^1 + -0.000007032 * Amateur Built^1*Number of Engines^1*Total Serious Injuries^1 + -0.000312696 * Amateur Built^1*Number of Engines^1*Total Minor Injuries^1 + 0.000981947 * Amateur Built^1*Number of Engines^1*Total Uninjured^1 + -0.000197203 * Amateur Built^1*Number of Engines^1*Weather Condition^1 + 0.000601387 * Amateur Built^1*Number of Engines^1*Broad Phase of Flight^1 + -0.000033451 * Amateur Built^1*Number of Engines^1*Report Publication Date^1 + 0.000000000 * Amateur Built^1*Number of Engines^1*Unnamed: 30^1 + 0.001055902 * Amateur Built^1*Engine Type^2 + -0.003085151 * Amateur Built^1*Engine Type^1*FAR Description^1 + 0.000219287 * Amateur Built^1*Engine Type^1*Schedule^1 + 0.002283840 * Amateur Built^1*Engine Type^1*Purpose of Flight^1 + -0.000160225 * Amateur Built^1*Engine Type^1*Air Carrier^1 + -0.000700032 * Amateur Built^1*Engine Type^1*Total Fatal Injuries^1 + -0.003173085 * Amateur Built^1*Engine Type^1*Total Serious Injuries^1 + -0.007642648 * Amateur Built^1*Engine Type^1*Total Minor Injuries^1 + 0.000077219 * Amateur Built^1*Engine Type^1*Total Uninjured^1 + 0.000299488 * Amateur Built^1*Engine Type^1*Weather Condition^1 + -0.004219157 * Amateur Built^1*Engine Type^1*Broad Phase of Flight^1 + 0.000005128 * Amateur Built^1*Engine Type^1*Report Publication Date^1 + 0.000000000 * Amateur Built^1*Engine Type^1*Unnamed: 30^1 + 0.003381867 * Amateur Built^1*FAR Description^2 + 0.000143341 * Amateur Built^1*FAR Description^1*Schedule^1 + -0.000392135 * Amateur Built^1*FAR Description^1*Purpose of Flight^1 + -0.000013891 * Amateur Built^1*FAR Description^1*Air Carrier^1 + 0.000254356 * Amateur Built^1*FAR Description^1*Total Fatal Injuries^1 + -0.001707441 * Amateur Built^1*FAR Description^1*Total Serious Injuries^1 + -0.000209250 * Amateur Built^1*FAR Description^1*Total Minor Injuries^1 + 0.000030084 * Amateur Built^1*FAR

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Number of Engines^1*Unnamed: 30^2 + -0.004298151 * Engine Type^3 + -0.000637644 * Engine Type^2*FAR Description^1 + 0.004670204 * Engine Type^2*Schedule^1 + 0.001719531 * Engine Type^2*Purpose of Flight^1 + 0.000055400 * Engine Type^2*Air Carrier^1 + 0.000452181 * Engine Type^2*Total Fatal Injuries^1 + -0.003419367 * Engine Type^2*Total Serious Injuries^1 + 0.001029185 * Engine Type^2*Total Minor Injuries^1 + -0.000051637 * Engine Type^2*Total Uninjured^1 + 0.003996611 * Engine Type^2*Weather Condition^1 + -0.003801611 * Engine Type^2*Broad Phase of Flight^1 + -0.000002801 * Engine Type^2*Report Publication Date^1 + 0.000000000 * Engine Type^2*Unnamed: 30^1 + -0.000390134 * Engine Type^1*FAR Description^2 + -0.000212368 * Engine Type^1*FAR Description^1*Schedule^1 + 0.000207412 * Engine Type^1*FAR Description^1*Purpose of Flight^1 + -0.000006435 * Engine Type^1*FAR Description^1*Air Carrier^1 + 0.000016370 * Engine Type^1*FAR Description^1*Total Fatal Injuries^1 + 0.000398101 * Engine Type^1*FAR Description^1*Total Serious Injuries^1 + -0.000223012 * Engine Type^1*FAR Description^1*Total Minor Injuries^1 + 0.000016698 * Engine Type^1*FAR Description^1*Total Uninjured^1 + 0.002262830 * Engine Type^1*FAR Description^1*Weather Condition^1 + 0.000151152 * Engine Type^1*FAR Description^1*Broad Phase of Flight^1 + -0.000002705 * Engine Type^1*FAR Description^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*FAR Description^1*Unnamed: 30^1 + 0.001007729 * Engine Type^1*Schedule^2 + 0.000709992 * Engine Type^1*Schedule^1*Purpose of Flight^1 + 0.000007442 * Engine Type^1*Schedule^1*Air Carrier^1 + -0.000474376 * Engine Type^1*Schedule^1*Total Fatal Injuries^1 + -0.000908224 * Engine Type^1*Schedule^1*Total Serious Injuries^1 + -0.000809065 * Engine Type^1*Schedule^1*Total Minor Injuries^1 + -0.000029508 * Engine Type^1*Schedule^1*Total Uninjured^1 + 0.001828936 * Engine Type^1*Schedule^1*Weather Condition^1 + 0.001990190 * Engine Type^1*Schedule^1*Broad Phase of Flight^1 + 0.000006225 * Engine Type^1*Schedule^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Schedule^1*Unnamed: 30^1 + -0.000123577 * Engine Type^1*Purpose of Flight^2 + 0.000000878 * Engine Type^1*Purpose of Flight^1*Air Carrier^1 + -0.000053273 * Engine Type^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000338977 * Engine Type^1*Purpose of Flight^1*Total Serious Injuries^1 + 0.000061520 * Engine Type^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000003733 * Engine Type^1*Purpose of Flight^1*Total Uninjured^1 + 0.000423673 * Engine Type^1*Purpose of Flight^1*Weather Condition^1 + 0.000145037 * Engine Type^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000222 * Engine Type^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000039 * Engine Type^1*Air Carrier^2 + 0.000000118 * Engine Type^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000003474 * Engine Type^1*Air Carrier^1*Total Serious Injuries^1 + -0.000001140 * Engine Type^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000137 * Engine Type^1*Air Carrier^1*Total Uninjured^1 + -0.000019653 * Engine Type^1*Air Carrier^1*Weather Condition^1 + 0.000001176 * Engine Type^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000013 * Engine Type^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Air Carrier^1*Unnamed: 30^1 + -0.000183824 * Engine Type^1*Total Fatal Injuries^2 + -0.000062809 * Engine Type^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000050404 * Engine Type^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000007983 * Engine Type^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000237344 * Engine Type^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000012615 * Engine Type^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000312 * Engine Type^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.001230820 * Engine Type^1*Total Serious Injuries^2 + 0.000073630 * Engine Type^1*Total Serious

Injuries^1*Total Minor Injuries^1 + -0.000105802 * Engine Type^1*Total Serious Injuries^1*Total Uninjured^1 + 0.001170982 * Engine Type^1*Total Serious Injuries^1*Weather Condition^1 + 0.000056452 * Engine Type^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000001227 * Engine Type^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000091817 * Engine Type^1*Total Minor Injuries^2 + 0.000008549 * Engine Type^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000161006 * Engine Type^1*Total Minor Injuries^1*Weather Condition^1 + -0.000058919 * Engine Type^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000431 * Engine Type^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000413 * Engine Type^1*Total Uninjured^2 + 0.000019917 * Engine Type^1*Total Uninjured^1*Weather Condition^1 + -0.000007594 * Engine Type^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000027 * Engine Type^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Total Uninjured^1*Unnamed: 30^1 + 0.002405474 * Engine Type^1*Weather Condition^2 + -0.000863432 * Engine Type^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000001431 * Engine Type^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Weather Condition^1*Unnamed: 30^1 + 0.001228441 * Engine Type^1*Broad Phase of Flight^2 + -0.000000464 * Engine Type^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Engine Type^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000019 * Engine Type^1*Report Publication Date^2 + 0.000000000 * Engine Type^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Engine Type^1*Unnamed: 30^2 + -0.000023661 * FAR Description^3 + 0.000202155 * FAR Description^2*Schedule^1 + 0.000112277 * FAR Description^2*Purpose of Flight^1 + 0.000036438 * FAR Description^2*Air Carrier^1 + -0.000100448 * FAR Description^2*Total Fatal Injuries^1 + -0.000526183 * FAR Description^2*Total Serious Injuries^1 + -0.000023086 * FAR Description^2*Total Minor Injuries^1 + 0.000014719 * FAR Description^2*Total Uninjured^1 + 0.000254427 * FAR Description^2*Weather Condition^1 + 0.000200691 * FAR Description^2*Broad Phase of Flight^1 + -0.000001617 * FAR Description^2*Report Publication Date^1 + 0.000000000 * FAR Description^2*Unnamed: 30^1 + -0.007128873 * FAR Description^1*Schedule^2 + 0.000292540 * FAR Description^1*Schedule^1*Purpose of Flight^1 + 0.000029629 * FAR Description^1*Schedule^1*Air Carrier^1 + -0.000320465 * FAR Description^1*Schedule^1*Total Fatal Injuries^1 + -0.003994248 * FAR Description^1*Schedule^1*Total Serious Injuries^1 + 0.000056281 * FAR Description^1*Schedule^1*Total Minor Injuries^1 + -0.000000086 * FAR Description^1*Schedule^1*Total Uninjured^1 + -0.000558210 * FAR Description^1*Schedule^1*Weather Condition^1 + -0.000879607 * FAR Description^1*Schedule^1*Broad Phase of Flight^1 + 0.000005780 * FAR Description^1*Schedule^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Schedule^1*Unnamed: 30^1 + 0.000039523 * FAR Description^1*Purpose of Flight^2 + 0.000000580 * FAR Description^1*Purpose of Flight^1*Air Carrier^1 + 0.000005901 * FAR Description^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.000134944 * FAR Description^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000125401 * FAR Description^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000002821 * FAR Description^1*Purpose of Flight^1*Total Uninjured^1 + -0.000492910 * FAR Description^1*Purpose of Flight^1*Weather Condition^1 + 0.000130251 * FAR Description^1*Purpose of Flight^1*Broad Phase of Flight^1 + 0.000000016 * FAR Description^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Purpose of Flight^1*Unnamed: 30^1 + -0.000000002 * FAR Description^1*Air Carrier^2 +

-0.000000297 * FAR Description^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000005544 * FAR Description^1*Air Carrier^1*Total Serious Injuries^1 + 0.000000110 * FAR Description^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000014 * FAR Description^1*Air Carrier^1*Total Uninjured^1 + 0.000001449 * FAR Description^1*Air Carrier^1*Weather Condition^1 + 0.000000590 * FAR Description^1*Air Carrier^1*Broad Phase of Flight^1 + -0.000000010 * FAR Description^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Air Carrier^1*Unnamed: 30^1 + -0.000005980 * FAR Description^1*Total Fatal Injuries^2 + -0.000033341 * FAR Description^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000157093 * FAR Description^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000001182 * FAR Description^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000015155 * FAR Description^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000028739 * FAR Description^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000056 * FAR Description^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000081269 * FAR Description^1*Total Serious Injuries^2 + 0.000069259 * FAR Description^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000022515 * FAR Description^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000836203 * FAR Description^1*Total Serious Injuries^1*Weather Condition^1 + 0.000127239 * FAR Description^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000582 * FAR Description^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000002393 * FAR Description^1*Total Minor Injuries^2 + 0.000011323 * FAR Description^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000407089 * FAR Description^1*Total Minor Injuries^1*Weather Condition^1 + -0.000031910 * FAR Description^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000300 * FAR Description^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000017 * FAR Description^1*Total Uninjured^2 + 0.000013750 * FAR Description^1*Total Uninjured^1*Weather Condition^1 + 0.000006115 * FAR Description^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000027 * FAR Description^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Total Uninjured^1*Unnamed: 30^1 + -0.003961509 * FAR Description^1*Weather Condition^2 + 0.000947879 * FAR Description^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000001144 * FAR Description^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Weather Condition^1*Unnamed: 30^1 + 0.000124520 * FAR Description^1*Broad Phase of Flight^2 + 0.000000118 * FAR Description^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * FAR Description^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000003 * FAR Description^1*Report Publication Date^2 + 0.000000000 * FAR Description^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * FAR Description^1*Unnamed: 30^2 + -0.000110147 * Schedule^3 + -0.003165143 * Schedule^2*Purpose of Flight^1 + -0.000865462 * Schedule^2*Air Carrier^1 + 0.001112563 * Schedule^2*Total Fatal Injuries^1 + -0.009179634 * Schedule^2*Total Serious Injuries^1 + -0.004991839 * Schedule^2*Total Minor Injuries^1 + 0.000014929 * Schedule^2*Total Uninjured^1 + 0.000248239 * Schedule^2*Weather Condition^1 + -0.000206494 * Schedule^2*Broad Phase of Flight^1 + -0.000027212 * Schedule^2*Report Publication Date^1 + 0.000000000 * Schedule^2*Unnamed: 30^1 + 0.000097130 * Schedule^1*Purpose of Flight^2 + -0.000011076 * Schedule^1*Purpose of Flight^1*Air Carrier^1 + 0.000019547 * Schedule^1*Purpose of Flight^1*Total Fatal Injuries^1 + 0.001476266 * Schedule^1*Purpose of Flight^1*Total Serious Injuries^1 + -0.000300780 * Schedule^1*Purpose of Flight^1*Total Minor Injuries^1 + -0.000005113 * Schedule^1*Purpose of Flight^1*Total Uninjured^1 + -0.001896763 * Schedule^1*Purpose of

Flight^1*Weather Condition^1 + 0.000520921 * Schedule^1*Purpose of Flight^1*Broad Phase of Flight^1 + -0.000000089 * Schedule^1*Purpose of Flight^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Purpose of Flight^1*Unnamed: 30^1 + 0.000000129 * Schedule^1*Air Carrier^2 + -0.000001713 * Schedule^1*Air Carrier^1*Total Fatal Injuries^1 + -0.000023199 * Schedule^1*Air Carrier^1*Total Serious Injuries^1 + 0.000015286 * Schedule^1*Air Carrier^1*Total Minor Injuries^1 + -0.000000272 * Schedule^1*Air Carrier^1*Total Uninjured^1 + 0.000004945 * Schedule^1*Air Carrier^1*Weather Condition^1 + 0.000004333 * Schedule^1*Air Carrier^1*Broad Phase of Flight^1 + 0.000000013 * Schedule^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Air Carrier^1*Unnamed: 30^1 + -0.000394491 * Schedule^1*Total Fatal Injuries^2 + -0.000137025 * Schedule^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000190980 * Schedule^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000059244 * Schedule^1*Total Fatal Injuries^1*Total Uninjured^1 + 0.000646129 * Schedule^1*Total Fatal Injuries^1*Weather Condition^1 + -0.000044008 * Schedule^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000273 * Schedule^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.001819039 * Schedule^1*Total Serious Injuries^2 + 0.000555681 * Schedule^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000264826 * Schedule^1*Total Serious Injuries^1*Total Uninjured^1 + -0.014532486 * Schedule^1*Total Serious Injuries^1*Weather Condition^1 + 0.001290385 * Schedule^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000009214 * Schedule^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Total Serious Injuries^1*Unnamed: 30^1 + 0.000231658 * Schedule^1*Total Minor Injuries^2 + -0.000032544 * Schedule^1*Total Minor Injuries^1*Total Uninjured^1 + 0.005044358 * Schedule^1*Total Minor Injuries^1*Weather Condition^1 + -0.000106438 * Schedule^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000001962 * Schedule^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000002870 * Schedule^1*Total Uninjured^2 + 0.000113955 * Schedule^1*Total Uninjured^1*Weather Condition^1 + -0.000016693 * Schedule^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000129 * Schedule^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Total Uninjured^1*Unnamed: 30^1 + 0.000574991 * Schedule^1*Weather Condition^2 + 0.003929133 * Schedule^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000006416 * Schedule^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Weather Condition^1*Unnamed: 30^1 + 0.000606387 * Schedule^1*Broad Phase of Flight^2 + 0.000001754 * Schedule^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Schedule^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000004 * Schedule^1*Report Publication Date^2 + 0.000000000 * Schedule^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Schedule^1*Unnamed: 30^2 + -0.000021961 * Purpose of Flight^3 + 0.000006265 * Purpose of Flight^2*Air Carrier^1 + 0.000002006 * Purpose of Flight^2*Total Fatal Injuries^1 + 0.000027751 * Purpose of Flight^2*Total Serious Injuries^1 + -0.000116841 * Purpose of Flight^2*Total Minor Injuries^1 + 0.000002892 * Purpose of Flight^2*Total Uninjured^1 + -0.000606003 * Purpose of Flight^2*Weather Condition^1 + -0.000015932 * Purpose of Flight^2*Broad Phase of Flight^1 + 0.000000068 * Purpose of Flight^2*Report Publication Date^1 + 0.000000000 * Purpose of Flight^2*Unnamed: 30^1 + 0.000000011 * Purpose of Flight^1*Air Carrier^2 + 0.000000230 * Purpose of Flight^1*Air Carrier^1*Total Fatal Injuries^1 + 0.000000590 * Purpose of Flight^1*Air Carrier^1*Total Serious Injuries^1 + -0.000000581 * Purpose of Flight^1*Air Carrier^1*Total Minor Injuries^1 + 0.000000007 * Purpose of Flight^1*Air Carrier^1*Total Uninjured^1 + 0.000001632 * Purpose of Flight^1*Air Carrier^1*Weather Condition^1 + 0.000000855 * Purpose of Flight^1*Air

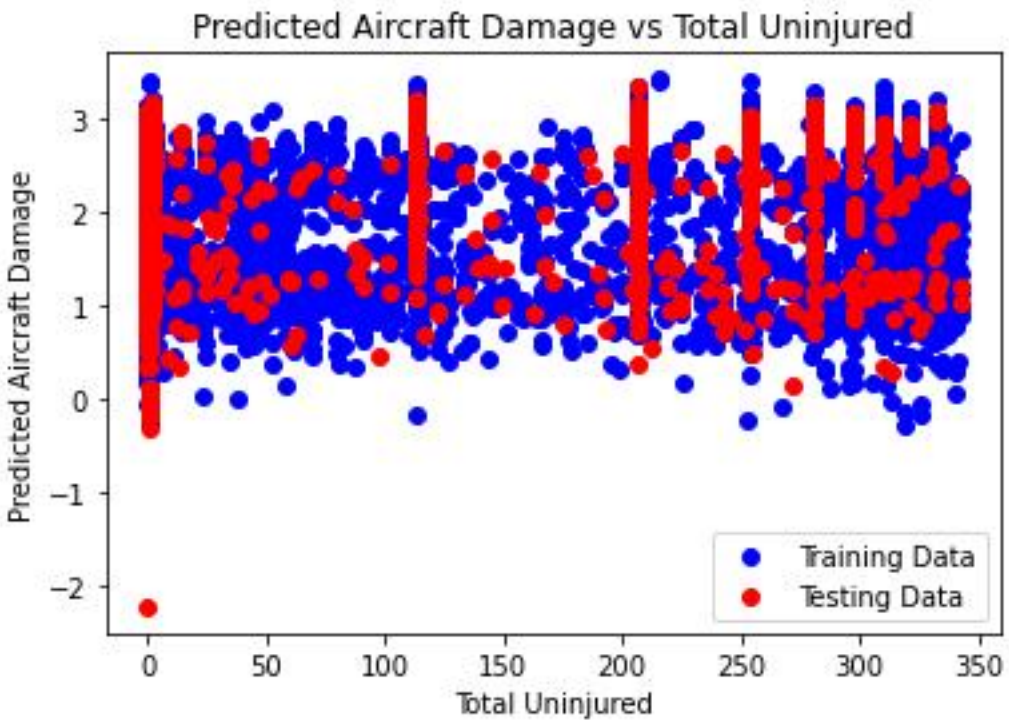
Carrier^1*Broad Phase of Flight^1 + -0.000000017 * Purpose of Flight^1*Air Carrier^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Air Carrier^1*Unnamed: 30^1 + 0.000073476 * Purpose of Flight^1*Total Fatal Injuries^2 + 0.000014664 * Purpose of Flight^1*Total Fatal Injuries^1*Total Serious Injuries^1 + 0.000009512 * Purpose of Flight^1*Total Fatal Injuries^1*Total Minor Injuries^1 + -0.000001765 * Purpose of Flight^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.000001947 * Purpose of Flight^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000021039 * Purpose of Flight^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + -0.000000100 * Purpose of Flight^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Total Fatal Injuries^1*Unnamed: 30^1 + -0.000165626 * Purpose of Flight^1*Total Serious Injuries^2 + -0.000032448 * Purpose of Flight^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000009437 * Purpose of Flight^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000707003 * Purpose of Flight^1*Total Serious Injuries^1*Weather Condition^1 + -0.000145390 * Purpose of Flight^1*Total Serious Injuries^1*Broad Phase of Flight^1 + 0.000000017 * Purpose of Flight^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000025526 * Purpose of Flight^1*Total Minor Injuries^2 + 0.000003782 * Purpose of Flight^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000197049 * Purpose of Flight^1*Total Minor Injuries^1*Weather Condition^1 + 0.000016275 * Purpose of Flight^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000175 * Purpose of Flight^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000127 * Purpose of Flight^1*Total Uninjured^2 + 0.000016609 * Purpose of Flight^1*Total Uninjured^1*Weather Condition^1 + 0.000002371 * Purpose of Flight^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000007 * Purpose of Flight^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Total Uninjured^1*Unnamed: 30^1 + 0.000738771 * Purpose of Flight^1*Weather Condition^2 + 0.000099387 * Purpose of Flight^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000001444 * Purpose of Flight^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Weather Condition^1*Unnamed: 30^1 + 0.000048177 * Purpose of Flight^1*Broad Phase of Flight^2 + -0.000000425 * Purpose of Flight^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Purpose of Flight^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000001 * Purpose of Flight^1*Report Publication Date^2 + 0.000000000 * Purpose of Flight^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Purpose of Flight^1*Unnamed: 30^2 + -0.000000000 * Air Carrier^3 + 0.000000003 * Air Carrier^2*Total Fatal Injuries^1 + 0.000000042 * Air Carrier^2*Total Serious Injuries^1 + -0.000000012 * Air Carrier^2*Total Minor Injuries^1 + 0.000000000 * Air Carrier^2*Total Uninjured^1 + 0.000000057 * Air Carrier^2*Weather Condition^1 + -0.000000012 * Air Carrier^2*Broad Phase of Flight^1 + 0.000000000 * Air Carrier^2*Report Publication Date^1 + 0.000000000 * Air Carrier^2*Unnamed: 30^1 + -0.000000867 * Air Carrier^1*Total Fatal Injuries^2 + -0.000000330 * Air Carrier^1*Total Fatal Injuries^1*Total Serious Injuries^1 + -0.000000232 * Air Carrier^1*Total Fatal Injuries^1*Total Minor Injuries^1 + 0.000000035 * Air Carrier^1*Total Fatal Injuries^1*Total Uninjured^1 + -0.000000345 * Air Carrier^1*Total Fatal Injuries^1*Weather Condition^1 + 0.000000083 * Air Carrier^1*Total Fatal Injuries^1*Broad Phase of Flight^1 + 0.000000002 * Air Carrier^1*Total Fatal Injuries^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Total Fatal Injuries^1*Unnamed: 30^1 + 0.000000728 * Air Carrier^1*Total Serious Injuries^2 + -0.000001075 * Air Carrier^1*Total Serious Injuries^1*Total Minor Injuries^1 + 0.000000179 * Air Carrier^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000003012 * Air Carrier^1*Total Serious Injuries^1*Weather Condition^1 + -0.000002426 * Air Carrier^1*Total Serious Injuries^1*Broad Phase

of Flight^1 + -0.000000011 * Air Carrier^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000000147 * Air Carrier^1*Total Minor Injuries^2 + -0.000000036 * Air Carrier^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000005707 * Air Carrier^1*Total Minor Injuries^1*Weather Condition^1 + -0.000000050 * Air Carrier^1*Total Minor Injuries^1*Broad Phase of Flight^1 + -0.000000007 * Air Carrier^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000002 * Air Carrier^1*Total Uninjured^2 + -0.000000300 * Air Carrier^1*Total Uninjured^1*Weather Condition^1 + 0.000000065 * Air Carrier^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000000 * Air Carrier^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Total Uninjured^1*Unnamed: 30^1 + 0.000129956 * Air Carrier^1*Weather Condition^2 + -0.000010333 * Air Carrier^1*Weather Condition^1*Broad Phase of Flight^1 + 0.000000071 * Air Carrier^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Weather Condition^1*Unnamed: 30^1 + 0.000000691 * Air Carrier^1*Broad Phase of Flight^2 + -0.000000000 * Air Carrier^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Air Carrier^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Air Carrier^1*Report Publication Date^2 + 0.000000000 * Air Carrier^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Air Carrier^1*Unnamed: 30^2 + -0.000009818 * Total Fatal Injuries^3 + 0.000046300 * Total Fatal Injuries^2*Total Serious Injuries^1 + 0.000117313 * Total Fatal Injuries^2*Total Minor Injuries^1 + -0.000015350 * Total Fatal Injuries^2*Total Uninjured^1 + -0.000190396 * Total Fatal Injuries^2*Weather Condition^1 + -0.000035587 * Total Fatal Injuries^2*Broad Phase of Flight^1 + 0.000000259 * Total Fatal Injuries^2*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^2*Unnamed: 30^1 + 0.000053628 * Total Fatal Injuries^1*Total Serious Injuries^2 + -0.000032998 * Total Fatal Injuries^1*Total Serious Injuries^1*Total Minor Injuries^1 + -0.000007865 * Total Fatal Injuries^1*Total Serious Injuries^1*Total Uninjured^1 + 0.000024529 * Total Fatal Injuries^1*Total Serious Injuries^1*Weather Condition^1 + 0.000057639 * Total Fatal Injuries^1*Total Serious Injuries^1*Broad Phase of Flight^1 + -0.000000204 * Total Fatal Injuries^1*Total Serious Injuries^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Total Serious Injuries^1*Unnamed: 30^1 + -0.000006567 * Total Fatal Injuries^1*Total Minor Injuries^2 + -0.000001053 * Total Fatal Injuries^1*Total Minor Injuries^1*Total Uninjured^1 + 0.000169722 * Total Fatal Injuries^1*Total Minor Injuries^1*Weather Condition^1 + -0.000020707 * Total Fatal Injuries^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000171 * Total Fatal Injuries^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Total Minor Injuries^1*Unnamed: 30^1 + -0.000000406 * Total Fatal Injuries^1*Total Uninjured^2 + 0.000068986 * Total Fatal Injuries^1*Total Uninjured^1*Weather Condition^1 + -0.000007182 * Total Fatal Injuries^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000019 * Total Fatal Injuries^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Total Uninjured^1*Unnamed: 30^1 + -0.000056338 * Total Fatal Injuries^1*Weather Condition^2 + 0.000112200 * Total Fatal Injuries^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000464 * Total Fatal Injuries^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Weather Condition^1*Unnamed: 30^1 + 0.000029719 * Total Fatal Injuries^1*Broad Phase of Flight^2 + 0.000000198 * Total Fatal Injuries^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Total Fatal Injuries^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000000 * Total Fatal Injuries^1*Report Publication Date^2 + 0.000000000 * Total Fatal Injuries^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Total

Fatal Injuries^1*Unnamed: 30^2 + -0.000704758 * Total Serious Injuries^3 + -0.000052128 * Total Serious Injuries^2*Total Minor Injuries^1 + 0.000063845 * Total Serious Injuries^2*Total Uninjured^1 + -0.000160908 * Total Serious Injuries^2*Weather Condition^1 + -0.000012780 * Total Serious Injuries^2*Broad Phase of Flight^1 + -0.000000068 * Total Serious Injuries^2*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^2*Unnamed: 30^1 + -0.000010040 * Total Serious Injuries^1*Total Minor Injuries^2 + 0.000001050 * Total Serious Injuries^1*Total Minor Injuries^1*Total Uninjured^1 + -0.000176603 * Total Serious Injuries^1*Total Minor Injuries^1*Weather Condition^1 + 0.000086023 * Total Serious Injuries^1*Total Minor Injuries^1*Broad Phase of Flight^1 + 0.000000271 * Total Serious Injuries^1*Total Minor Injuries^1*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^1*Total Minor Injuries^1*Unnamed: 30^1 + 0.000000706 * Total Serious Injuries^1*Total Uninjured^2 + 0.000073876 * Total Serious Injuries^1*Total Uninjured^1*Weather Condition^1 + -0.000040798 * Total Serious Injuries^1*Total Uninjured^1*Broad Phase of Flight^1 + -0.000000115 * Total Serious Injuries^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^1*Total Uninjured^1*Unnamed: 30^1 + 0.003556184 * Total Serious Injuries^1*Weather Condition^2 + 0.000000420 * Total Serious Injuries^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000005446 * Total Serious Injuries^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^1*Weather Condition^1*Unnamed: 30^1 + 0.000353326 * Total Serious Injuries^1*Broad Phase of Flight^2 + 0.000000724 * Total Serious Injuries^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Total Serious Injuries^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000001 * Total Serious Injuries^1*Report Publication Date^2 + 0.000000000 * Total Serious Injuries^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Total Serious Injuries^1*Unnamed: 30^2 + -0.000032757 * Total Minor Injuries^3 + -0.000000149 * Total Minor Injuries^2*Total Uninjured^1 + -0.000269115 * Total Minor Injuries^2*Weather Condition^1 + -0.000004355 * Total Minor Injuries^2*Broad Phase of Flight^1 + -0.000000113 * Total Minor Injuries^2*Report Publication Date^1 + 0.000000000 * Total Minor Injuries^2*Unnamed: 30^1 + 0.000000198 * Total Minor Injuries^1*Total Uninjured^2 + -0.000005160 * Total Minor Injuries^1*Total Uninjured^1*Weather Condition^1 + 0.000003030 * Total Minor Injuries^1*Total Uninjured^1*Broad Phase of Flight^1 + 0.000000034 * Total Minor Injuries^1*Total Uninjured^1*Report Publication Date^1 + 0.000000000 * Total Minor Injuries^1*Total Uninjured^1*Unnamed: 30^1 + 0.004077578 * Total Minor Injuries^1*Weather Condition^2 + -0.000421394 * Total Minor Injuries^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000001587 * Total Minor Injuries^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Total Minor Injuries^1*Weather Condition^1*Unnamed: 30^1 + 0.000004765 * Total Minor Injuries^1*Broad Phase of Flight^2 + -0.000000010 * Total Minor Injuries^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Total Minor Injuries^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000002 * Total Minor Injuries^1*Report Publication Date^2 + 0.000000000 * Total Minor Injuries^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Total Minor Injuries^1*Unnamed: 30^2 + -0.000000004 * Total Uninjured^3 + 0.000002197 * Total Uninjured^2*Weather Condition^1 + 0.000000215 * Total Uninjured^2*Broad Phase of Flight^1 + 0.000000001 * Total Uninjured^2*Report Publication Date^1 + 0.000000000 * Total Uninjured^2*Unnamed: 30^1 + -0.000180662 * Total Uninjured^1*Weather Condition^2 + 0.000032879 * Total Uninjured^1*Weather Condition^1*Broad Phase of Flight^1 + -0.000000252 * Total Uninjured^1*Weather Condition^1*Report Publication Date^1 + 0.000000000 * Total Uninjured^1*Weather Condition^1*Unnamed: 30^1 + 0.000004758 * Total Uninjured^1*Broad Phase of Flight^2 + -0.000000006 * Total Uninjured^1*Broad Phase of Flight^1*Report Publication

Date^1 + 0.000000000 * Total Uninjured^1*Broad Phase of Flight^1*Unnamed: 30^1 + 0.000000000 * Total Uninjured^1*Report Publication Date^2 + 0.000000000 * Total Uninjured^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Total Uninjured^1*Unnamed: 30^2 + 0.000979298 * Weather Condition^3 + 0.002214560 * Weather Condition^2*Broad Phase of Flight^1 + -0.000006840 * Weather Condition^2*Report Publication Date^1 + 0.000000000 * Weather Condition^2*Unnamed: 30^1 + -0.000228526 * Weather Condition^1*Broad Phase of Flight^2 + 0.000001375 * Weather Condition^1*Broad Phase of Flight^1*Report Publication Date^1 + 0.000000000 * Weather Condition^1*Broad Phase of Flight^1*Unnamed: 30^1 + -0.000000006 * Weather Condition^1*Report Publication Date^2 + 0.000000000 * Weather Condition^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Weather Condition^1*Unnamed: 30^2 + 0.000032785 * Broad Phase of Flight^3 + 0.000000166 * Broad Phase of Flight^2*Report Publication Date^1 + 0.000000000 * Broad Phase of Flight^2*Unnamed: 30^1 + -0.000000005 * Broad Phase of Flight^1*Report Publication Date^2 + 0.000000000 * Broad Phase of Flight^1*Report Publication Date^1*Unnamed: 30^1 + 0.000000000 * Broad Phase of Flight^1*Unnamed: 30^2 + 0.000000000 * Report Publication Date^3 + 0.000000000 * Report Publication Date^2*Unnamed: 30^1 + 0.000000000 * Report Publication Date^1*Unnamed: 30^2 + 0.000000000 * Unnamed: 30^3

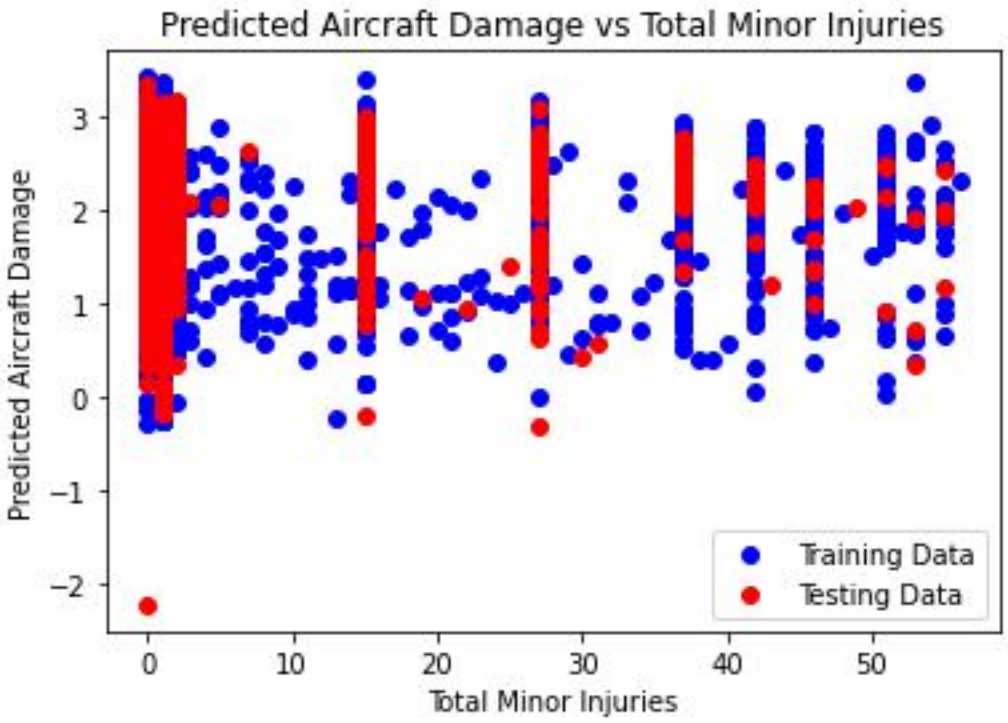
Accuracy: 0.8332299085134579



The provided scatter plot illustrates the relationship between predicted aircraft damage and the total number of uninjured people on board. In the plot, the red line represents the average predicted aircraft damage, while the blue dots depict actual aircraft damage from testing data. The x-axis denotes the count of total uninjured individuals on board, and the y-axis signifies the predicted aircraft damage. Each

blue point represents a distinct aircraft accident, with its position on the y-axis indicating the model's predicted damage for that specific incident.

The dispersion of blue data points around the red line signifies variability in damage outcomes for accidents sharing the same count of uninjured individuals. This variability could stem from diverse factors such as aircraft type, prevailing weather conditions, and the specific circumstances surrounding each accident. Despite this scatter, no clear correlation emerges between the count of uninjured people on board and predicted aircraft damage. The absence of a discernible pattern in the distribution of data points around the red line suggests that the count of uninjured individuals may not serve as a reliable predictor of aircraft damage severity. This conclusion underscores the complexity involved in accurately predicting damage outcomes solely based on the count of uninjured passengers. Thus, further exploration and consideration of additional predictive variables may be necessary to enhance the model's predictive capabilities.



The provided scatter plot depicts the relationship between predicted aircraft damage and the count of total minor injuries resulting from aircraft accidents. The x-axis represents the total number of minor injuries sustained, while the y-axis signifies the severity of predicted damage to the aircraft. Each blue dot on the plot corresponds to a single aircraft accident from the testing dataset, indicating the predicted damage (y-axis) for the associated count of minor injuries (x-axis). Additionally, a red line denotes the predicted trend, illustrating how predicted aircraft damage is expected to vary with the number of minor injuries.

Interpretation:

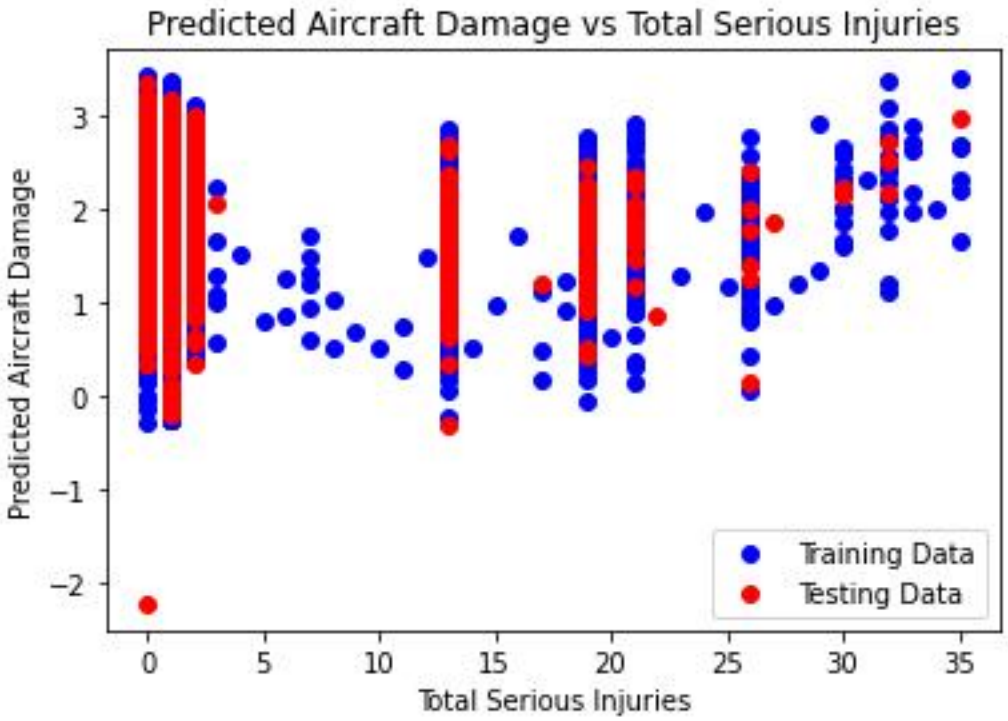
The dispersion of blue dots around the red line suggests variability in predicted damage for accidents with similar counts of minor injuries, indicating that a direct one-to-one relationship between minor injuries and aircraft damage severity is not apparent. Various factors, such as aircraft type, weather conditions, and accident causation, may contribute to this variation.

Possible Observations:

- Generally, accidents with a higher count of minor injuries tend to exhibit greater predicted aircraft damage, as implied by the upward trend of the red line.

- Nonetheless, exceptions exist, where accidents with a lower count of minor injuries show unexpectedly high predicted damage (blue dots above the red line), and vice versa.

In summary, the plot indicates a positive correlation between the count of minor injuries and predicted aircraft damage, albeit with notable variability. This suggests that while minor injuries may serve as a predictor of damage severity to some extent, other influential factors contribute to the observed variation in predicted damage outcomes.

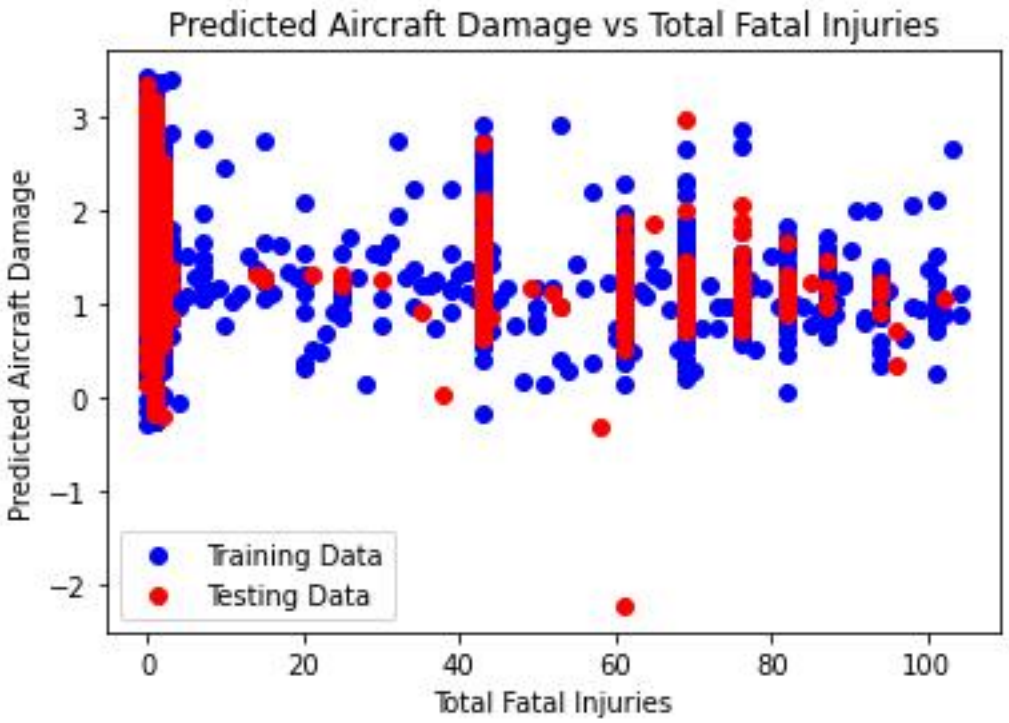


The provided scatter plot illustrates the relationship between predicted aircraft damage and the count of total serious injuries resulting from aircraft accidents. The x-axis denotes the total number of serious injuries, and the y-axis signifies the predicted aircraft damage. Each blue point corresponds to a single aircraft accident, with its position on the y-axis indicating the model's predicted damage for that specific incident.

The dispersion of blue data points around the red line indicates variability in damage outcomes for accidents with similar counts of serious injuries, suggesting that a direct one-to-one relationship between serious injuries and aircraft damage severity is not absolute. This variability may arise from diverse factors such as aircraft type, weather conditions, and the specific circumstances surrounding each accident.

Observationally, while there is a discernible positive correlation between the count of total serious injuries and predicted aircraft damage, as evidenced by the general trend of increasing damage with higher counts of serious injuries, the scatter of data points around the red line suggests that this correlation is not perfect. Indeed, there exists variability in predicted damage outcomes for accidents with equivalent counts of serious injuries, indicating that factors beyond injury severity alone influence the resulting damage.

In summary, the plot implies a positive correlation between the count of total serious injuries and predicted aircraft damage, albeit with notable variability. This underscores the complexity of factors influencing damage severity in aircraft accidents and suggests that while serious injuries may serve as a predictor of damage severity, other influential variables contribute to the observed variation in predicted damage outcomes.



The provided scatter plot depicts the relationship between predicted aircraft damage and the count of total fatal injuries resulting from aircraft accidents. The x-axis represents the total number of fatalities, while the y-axis signifies the predicted severity of aircraft damage.

Interpretation:

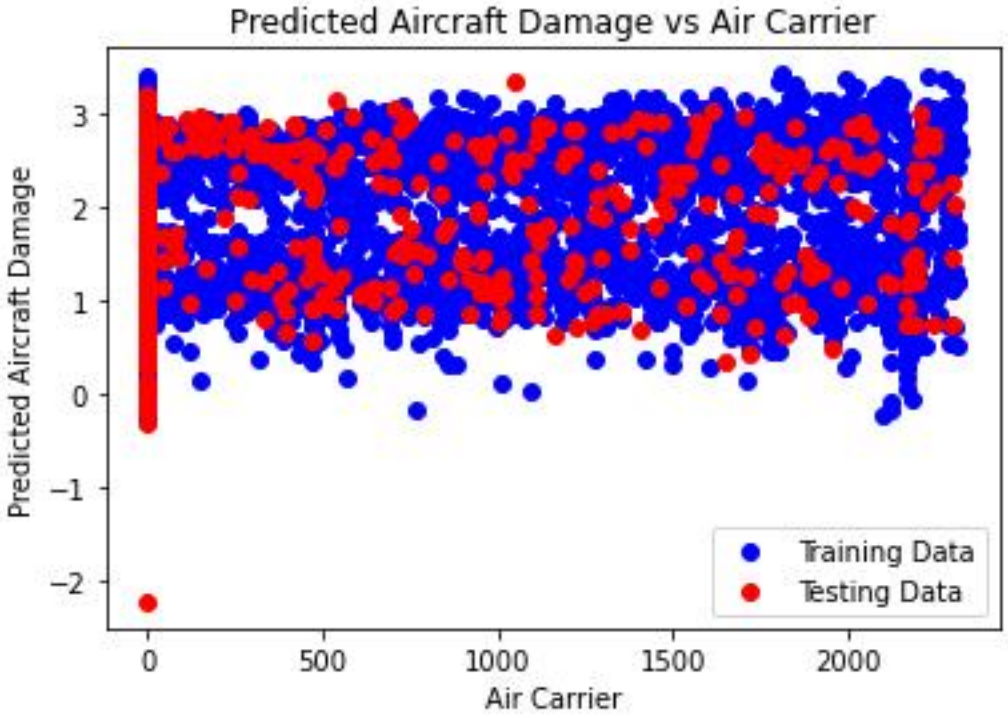
The dispersion of blue dots around the red line indicates variability in predicted damage for accidents with similar counts of fatal injuries, suggesting that a direct one-to-one relationship between fatal injuries and aircraft damage severity is not absolute. This variability may arise from diverse factors such as aircraft type, weather conditions, and the specific circumstances surrounding each accident.

Possible Observations:

- Generally, accidents with a higher count of fatal injuries tend to exhibit greater predicted aircraft damage, as implied by the upward trend of the red line.

- Nonetheless, exceptions exist, where accidents with a lower count of fatal injuries show unexpectedly high predicted damage (blue dots above the red line), and vice versa.

In summary, the plot suggests a positive correlation between the count of total fatal injuries and predicted aircraft damage, albeit with notable variability. This implies that while fatal injuries may serve as a predictor of damage severity to some extent, other influential factors contribute to the observed variation in predicted damage outcomes.



The provided scatter plot illustrates the relationship between predicted aircraft damage and Air Carrier, presumably representing different airlines or carriers operating the aircraft involved in accidents. The x-axis represents Air Carrier, while the y-axis signifies the predicted severity of aircraft damage. Additionally, a red line denotes the predicted trend, illustrating how predicted aircraft damage varies across different Air Carriers.

Interpretation:

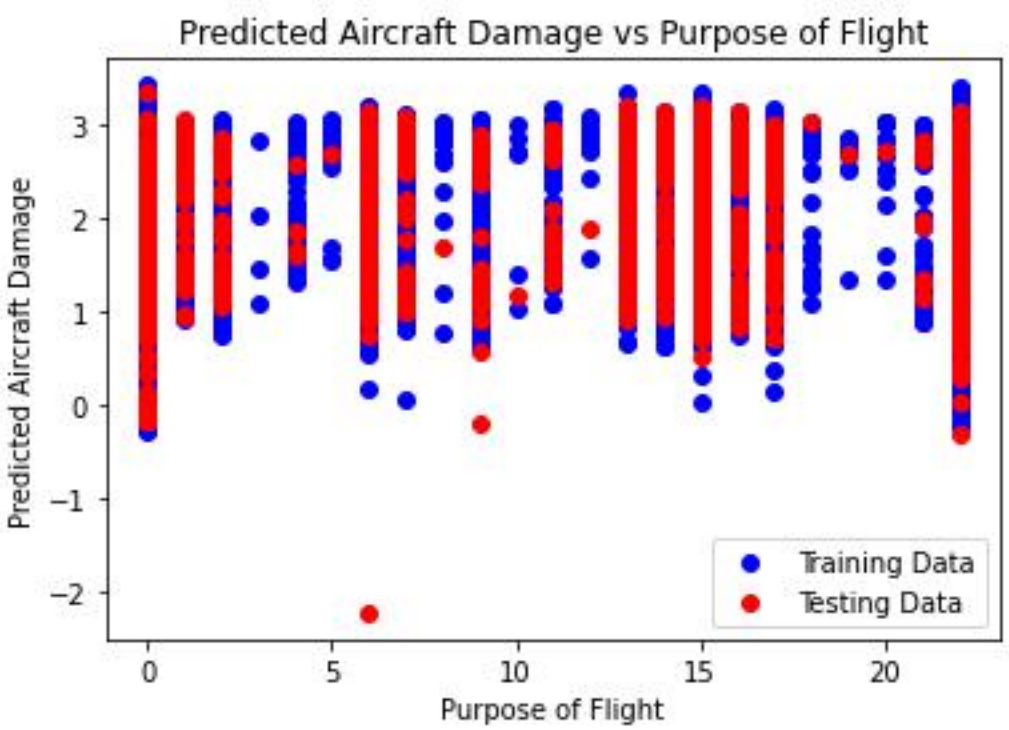
The dispersion of blue dots around the red line indicates significant variability in predicted damage for accidents involving different Air Carriers. This variability suggests that there is no clear, direct relationship between the specific airline and the severity of predicted aircraft damage. Various factors such as aircraft type, weather conditions, accident causation, and even the specific aircraft within an airline's fleet may influence the observed variation in predicted damage outcomes.

Possible Observations:

- It is challenging to discern from the plot whether any particular Air Carrier consistently exhibits higher or lower predicted aircraft damage, as there is considerable scatter of data points.

- Some airlines may appear clustered together on the x-axis, potentially indicating similarities in the types of aircraft they operate.

In summary, the plot suggests that Air Carrier alone does not serve as a strong predictor of predicted aircraft damage severity. The observed variability in predicted damage outcomes across different airlines implies that other factors not represented in this plot may play a more substantial role in determining the severity of aircraft damage in accidents.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the purpose of flight, categorizing flights based on their intended usage. The x-axis denotes the purpose of the flight, while the y-axis represents the predicted severity of aircraft damage.

Interpretation:

The dispersion of blue dots around the red line signifies variability in predicted damage outcomes for flights with similar purposes. This variation suggests that a direct one-to-one relationship between flight

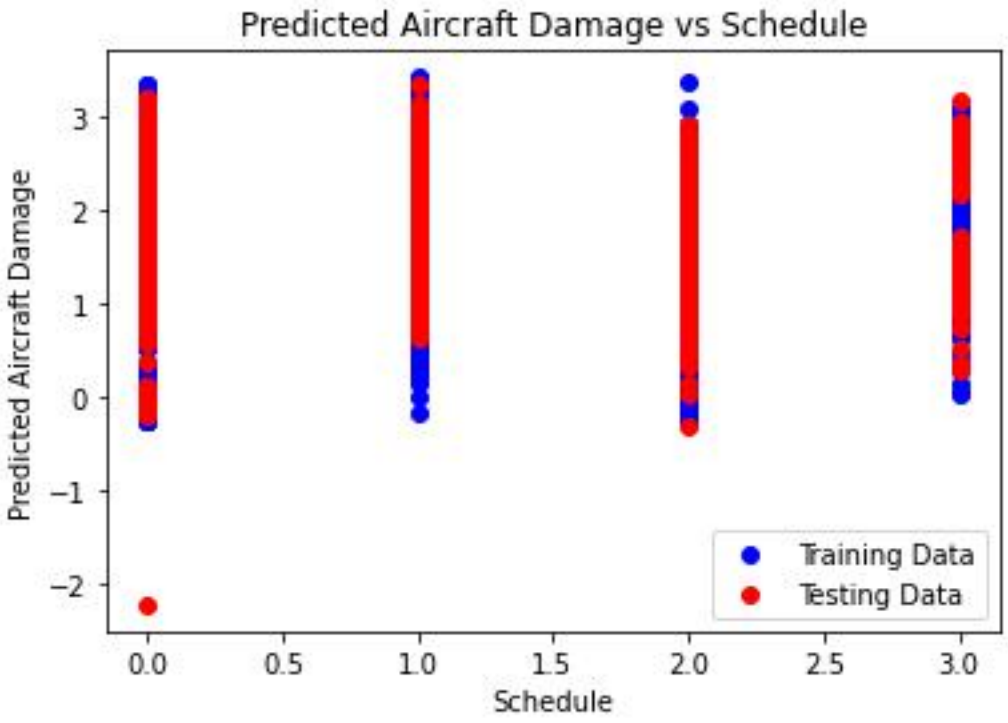
purpose and predicted aircraft damage severity is not evident. Numerous factors, such as aircraft type, cargo weight, weather conditions, and accident causation, may contribute to the observed variation in predicted damage outcomes across different flight purposes.

Observations:

- The scatter of data points around the red line suggests that no single purpose of flight consistently leads to higher or lower predicted aircraft damage. Flights with similar purposes may exhibit varying levels of predicted damage, indicative of the influence of other factors.

- For instance, while cargo flights may be expected to incur more damage due to potentially heavier payloads, there are instances where passenger flights may result in significant damage, perhaps due to unique circumstances surrounding the flight.

In summary, the plot suggests that the purpose of flight alone may not serve as a reliable predictor of predicted aircraft damage. The observed variability in predicted damage outcomes across different flight purposes underscores the multifaceted nature of factors influencing aircraft damage severity and suggests the presence of additional influential variables not captured by flight purpose alone.



The provided scatter plot depicts the relationship between predicted aircraft damage and schedule, although there appears to be a labeling discrepancy on the axes, as indicated by the legend. Presuming

the x-axis represents the scheduled arrival or departure time of aircraft, while the y-axis signifies the predicted severity of aircraft damage. Each blue point on the plot corresponds to a single flight from the dataset, illustrating the predicted damage (y-axis) associated with a specific scheduled arrival or departure time (x-axis). Additionally, a red line portrays the average predicted aircraft damage across different scheduled times.

Interpretation:

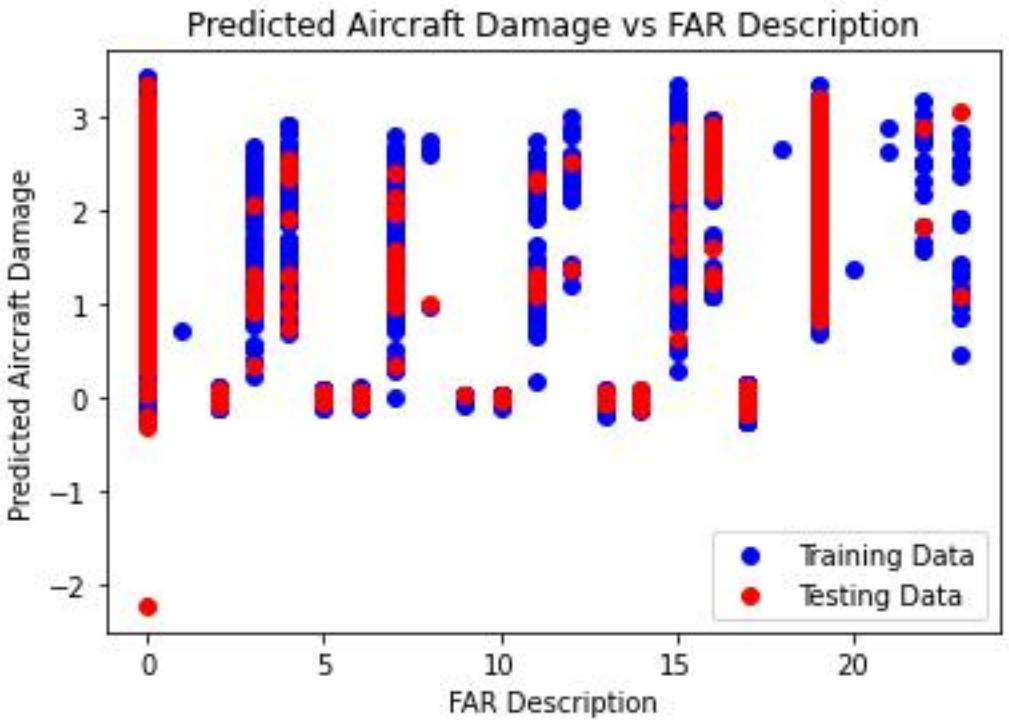
The dispersion of blue dots around the red line indicates variability in predicted damage outcomes for flights scheduled at similar times. This variability suggests that a direct one-to-one relationship between scheduled arrival or departure time and predicted aircraft damage severity is not readily discernible. Various factors such as weather conditions, visibility issues, and pilot fatigue may contribute to the observed variation in predicted damage outcomes across different schedule times.

Observations:

- The scatter of data points around the red line suggests that scheduled arrival or departure time alone may not serve as a reliable predictor of predicted aircraft damage. Flights scheduled at similar times may exhibit varying levels of predicted damage, indicating the influence of other factors.

- For instance, while flights departing at night may be expected to incur more damage due to potential weather conditions or visibility issues, there may be instances where flights departing during the day experience significant damage due to other factors.

In summary, the plot suggests that the scheduled arrival or departure time alone may not sufficiently predict aircraft damage. The observed variability in predicted damage outcomes across different schedule times underscores the complex interplay of factors influencing aircraft damage severity, suggesting the presence of additional influential variables not captured solely by schedule time.



The provided scatter plot illustrates the relationship between predicted aircraft damage and FAR Description, presumably denoting descriptors based on the Federal Aviation Regulations (FAR). While the exact encoding of FAR descriptions is unclear from the image, the x-axis represents these regulatory descriptors, while the y-axis signifies the predicted severity of aircraft damage. Additionally, a red line portrays the predicted trend, illustrating how predicted aircraft damage varies across different FAR descriptions.

Interpretation:

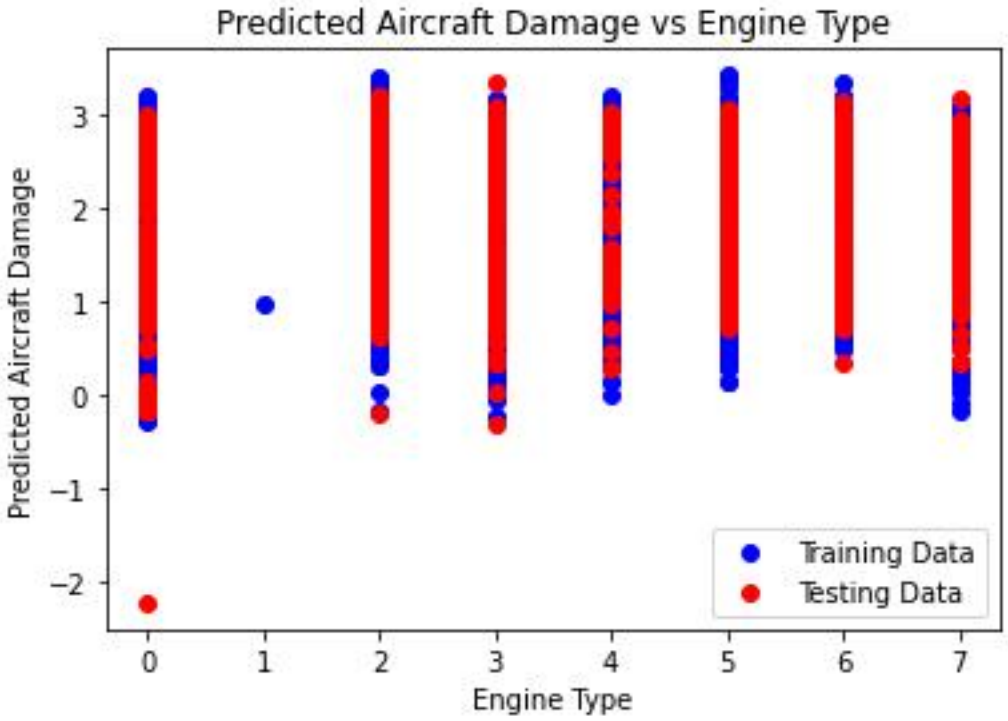
The dispersion of blue dots around the red line suggests variability in predicted damage outcomes for accidents sharing similar FAR descriptions. This variability implies that a direct one-to-one relationship between FAR description and predicted aircraft damage severity may not be evident. Numerous factors, such as the specific regulation referenced in the FAR description, aircraft type, weather conditions, and accident causation, may contribute to the observed variation in predicted damage outcomes across different FAR descriptions.

Observations:

- The scatter of data points around the red line indicates that no single FAR description consistently leads to higher or lower predicted aircraft damage. Accidents associated with similar FAR descriptions may exhibit varying levels of predicted damage, indicative of the influence of other contributing factors.

- Further analysis of specific FAR descriptions along the x-axis might reveal patterns or common themes (e.g., regulations pertaining to icing conditions) that could shed light on potential correlations with predicted damage outcomes.

In summary, the plot suggests that FAR Description alone may not serve as a robust predictor of predicted aircraft damage. The observed variability in predicted damage outcomes across different FAR descriptions underscores the multifaceted nature of factors influencing aircraft damage severity, suggesting the presence of additional influential variables not captured solely by FAR Description.



The provided scatter plot illustrates the relationship between predicted aircraft damage and engine type. The x-axis represents different engine types, while the y-axis signifies the predicted severity of aircraft damage. Additionally, a red line portrays the average predicted aircraft damage across different engine types.

Interpretation:

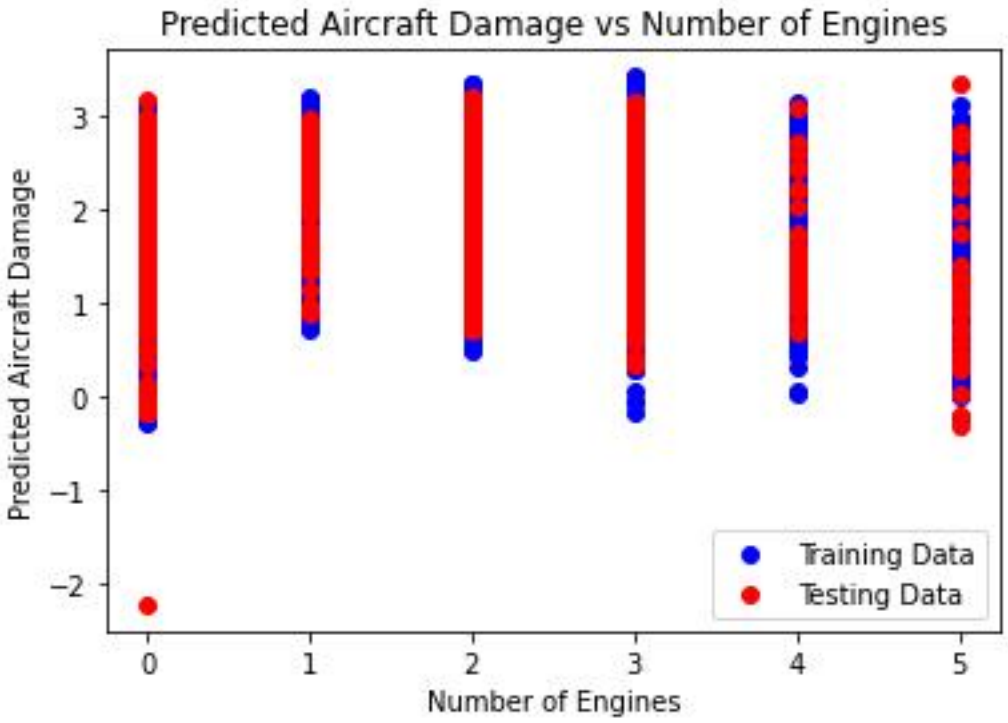
The dispersion of blue dots around the red line suggests variability in predicted damage outcomes for accidents involving similar engine types. This variability indicates that a direct one-to-one relationship between engine type and predicted aircraft damage severity may not be unequivocal. Numerous factors, such as the specific engine model, engine age, weather conditions, and accident causation, may contribute to the observed variation in predicted damage outcomes across different engine types.

Observations:

- The scatter of data points around the red line suggests that while there may be a correlation between engine type and predicted aircraft damage, it is not a perfect correlation. Accidents involving the same engine type may exhibit varying levels of predicted damage, suggesting the influence of other contributing factors.

- Variability in predicted damage outcomes could stem from differences in engine performance, maintenance history, or operational factors specific to each accident.

In summary, the plot implies a potential correlation between engine type and predicted aircraft damage severity, albeit with notable variability. This underscores the multifaceted nature of factors influencing aircraft damage severity and suggests the presence of additional influential variables not captured solely by engine type.



The provided scatter plot depicts the relationship between predicted aircraft damage and the number of engines installed on the aircraft. The x-axis represents the count of jet engines, while the y-axis signifies the predicted severity of aircraft damage. Each blue dot on the plot corresponds to a single aircraft accident from the testing dataset, illustrating the predicted damage (y-axis) associated with a specific number of engines (x-axis). Additionally, a red line portrays the predicted trend, indicating how predicted aircraft damage varies across different engine counts.

Interpretation:

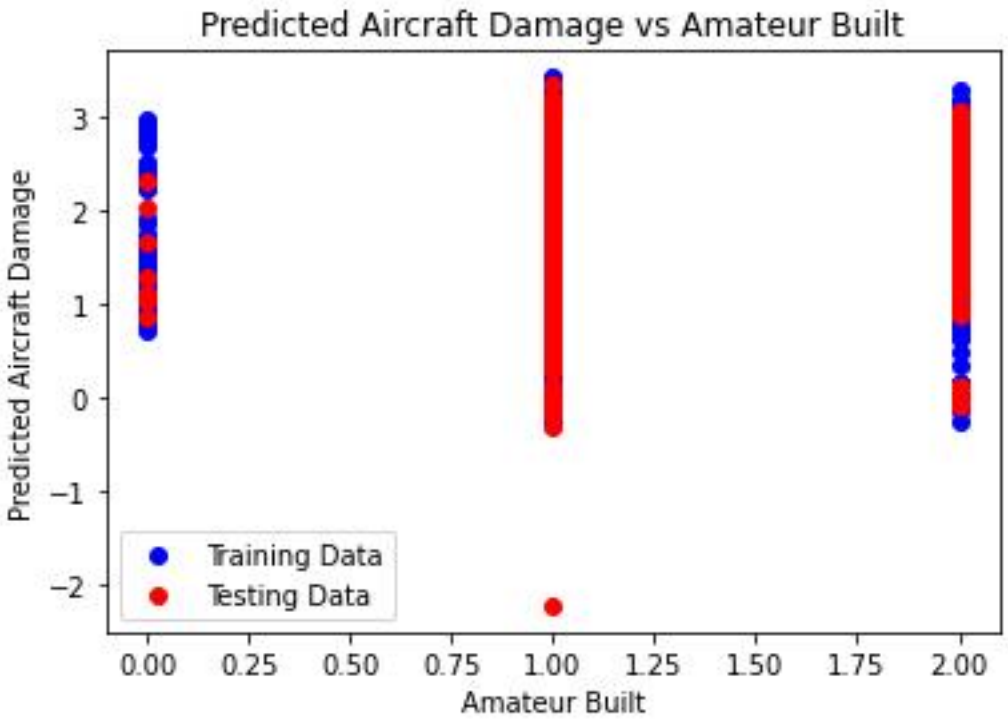
The dispersion of blue dots around the red line suggests variability in predicted damage outcomes for aircraft with differing numbers of engines. This variability implies that a direct one-to-one relationship between the number of engines and predicted aircraft damage severity may not be absolute. Various factors, such as the specific aircraft model, weather conditions, and accident causation, may contribute to the observed variation in predicted damage outcomes across different engine counts.

Observations:

- While the red line hints at a potential trend of increasing predicted aircraft damage with a higher number of engines, this relationship is not universally consistent. Some twin-engine aircraft accidents (with two engines) exhibit high predicted damage levels, while certain four-engine aircraft accidents (with four engines) show lower predicted damage levels, as indicated by outliers from the trend line.

- The observed variability in predicted damage outcomes underscores the influence of other contributing factors beyond the number of engines, such as aircraft size, weight, and operational conditions.

In summary, the plot suggests a potential correlation between the number of engines and predicted aircraft damage severity, albeit with notable variability attributable to additional influential factors. While larger aircraft with more engines may tend to experience higher predicted damage, the presence of exceptions underscores the complexity of factors influencing aircraft damage severity.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the maximum occupancy of the aircraft. The x-axis denotes the maximum number of individuals the aircraft is designed to accommodate, encompassing both passengers and crew, while the y-axis represents the predicted severity of aircraft damage. Additionally, a red line portrays the predicted trend, delineating how predicted aircraft damage varies concerning the maximum occupancy of the aircraft.

Interpretation:

The dispersion of blue dots around the red line suggests variability in predicted damage outcomes for aircraft with different maximum occupancy levels. This variability implies that a direct one-to-one relationship between maximum occupancy and predicted aircraft damage severity may not be absolute. Various factors, such as aircraft type, construction materials, weather conditions, and accident causation, may contribute to the observed variation in predicted damage outcomes across different maximum occupancy levels.

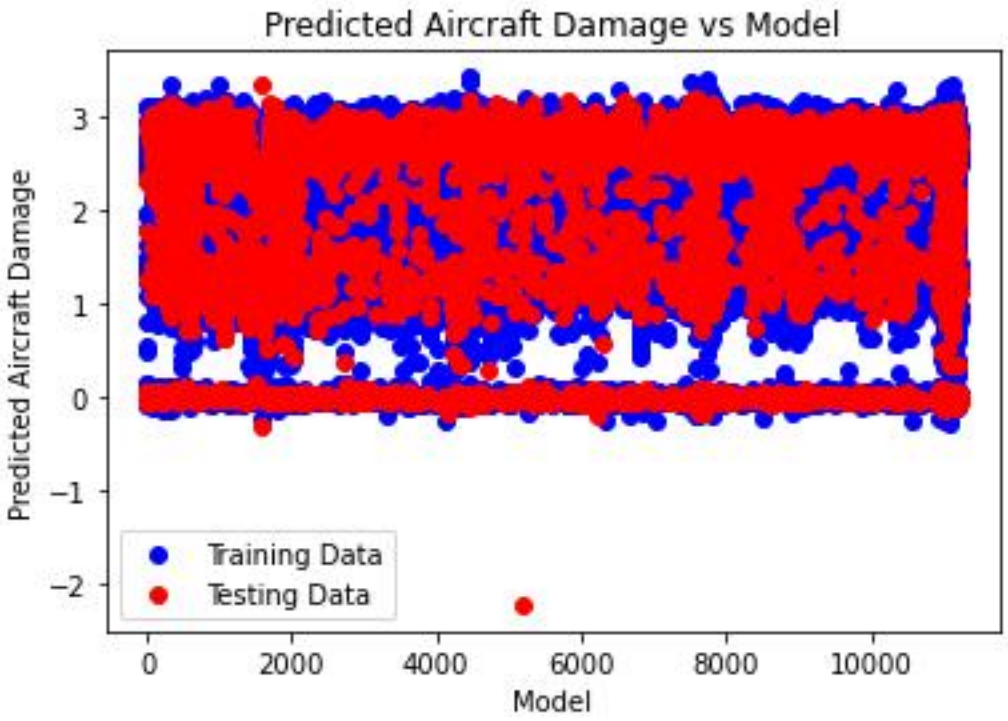
Observations:

- While the red line hints at a potential trend of increasing predicted aircraft damage with a higher maximum occupancy, this relationship is not universally consistent. Certain accidents involving smaller aircraft with lower maximum occupancy levels exhibit high predicted damage, while some larger aircraft

with higher maximum occupancy levels show lower predicted damage levels, as evidenced by outliers from the trend line.

- The observed variability in predicted damage outcomes underscores the influence of additional contributing factors beyond maximum occupancy, such as aircraft size, weight, and operational conditions.

In summary, the plot suggests a potential correlation between the maximum occupancy of an aircraft and predicted aircraft damage severity, albeit with notable variability due to other influential factors. While larger aircraft designed to carry more individuals may tend to experience higher predicted damage, the presence of exceptions underscores the complexity of factors influencing aircraft damage severity.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the type of aircraft involved in an accident. The x-axis represents different aircraft types, likely denoting specific models or categories, while the y-axis signifies the predicted severity of aircraft damage. Additionally, a red line depicts the predicted trend, delineating how predicted aircraft damage varies concerning the type of aircraft involved.

Interpretation:

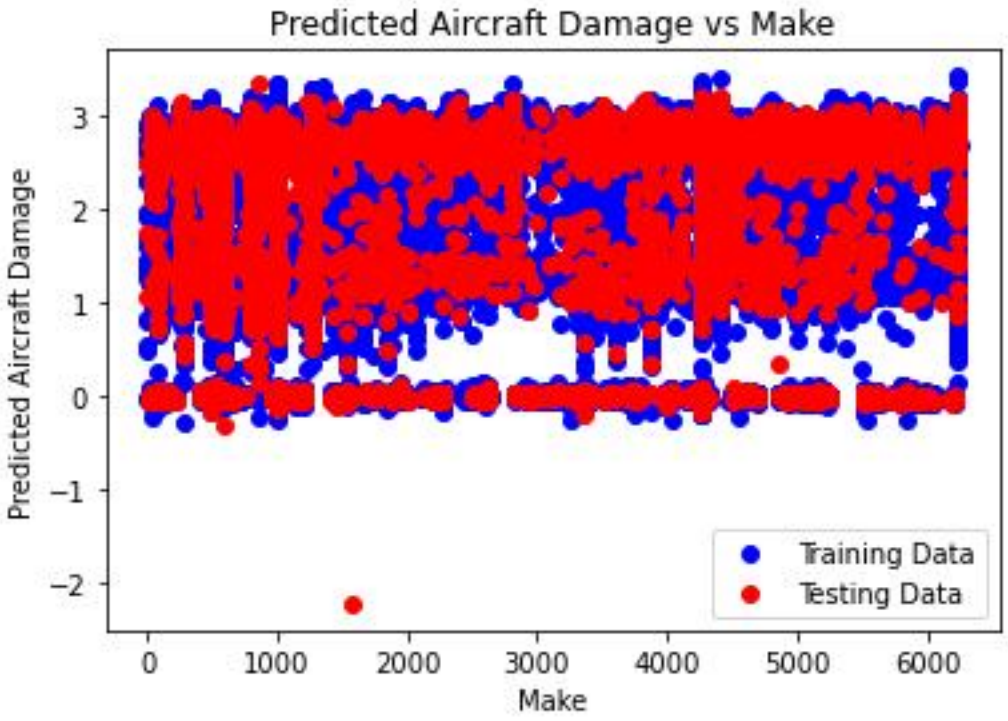
The dispersion of blue dots around the red line indicates variability in predicted damage outcomes across different aircraft types. This variability suggests that a direct one-to-one correspondence between aircraft type and predicted aircraft damage severity may not be absolute. Various factors, such as aircraft size, weight, construction materials, operational conditions, and accident circumstances, likely contribute to the observed variation in predicted damage outcomes.

Possible Observations:

- The presence of a trend line suggests a potential association between certain aircraft types and predicted damage severity. However, the specific nature and strength of this association require further investigation and clarification of how aircraft types are encoded.

- It is plausible that certain aircraft types may exhibit similar predicted damage outcomes due to shared characteristics such as size, design, or construction materials, resulting in clustering along the x-axis.

In summary, while the plot suggests a relationship between the type of aircraft involved and predicted aircraft damage severity, it also highlights the complexity of factors influencing damage outcomes. Further analysis and consideration of additional variables are necessary to comprehensively understand the interplay between aircraft type and predicted damage severity.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the make of the aircraft involved in an accident. The x-axis denotes the manufacturers of the aircraft, while the y-axis signifies the predicted severity of aircraft damage. Additionally, a red line depicts the predicted trend, delineating how predicted aircraft damage varies concerning the make of the aircraft involved.

Interpretation:

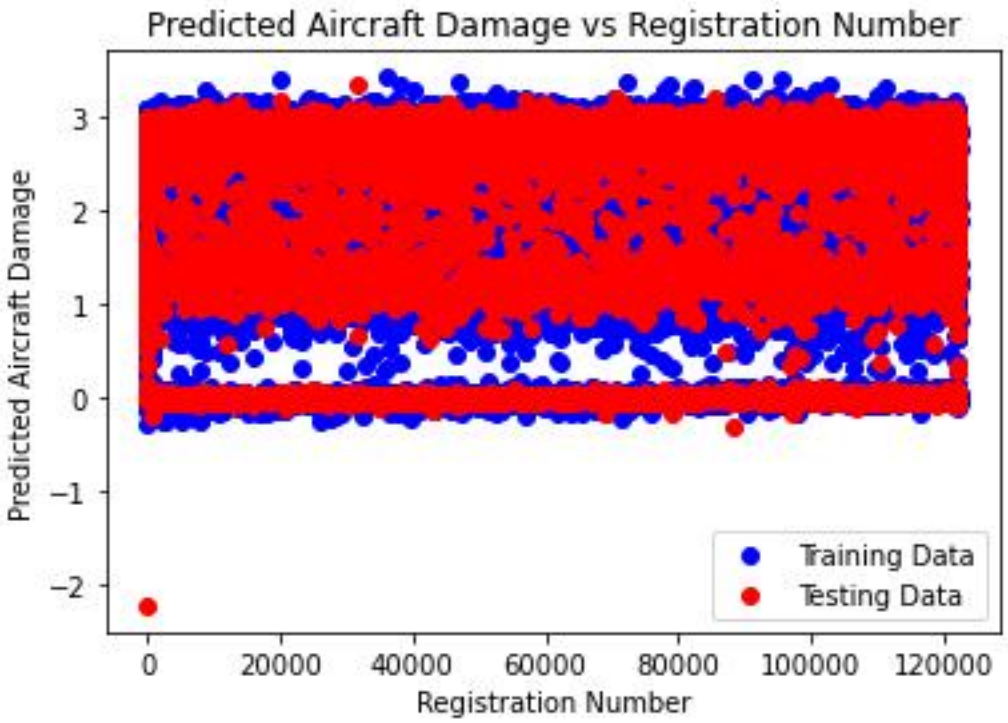
The dispersion of blue dots around the red line suggests variability in predicted damage outcomes across aircraft makes. This variability indicates that a direct one-to-one correspondence between the aircraft make and predicted damage severity may not be absolute. Various factors, such as the specific models produced by each manufacturer, the materials used in aircraft construction, operational conditions, and accident circumstances, likely contribute to the observed variation in predicted damage outcomes.

Possible Observations:

- The presence of a trend line suggests a potential association between certain aircraft manufacturers and predicted damage severity. However, the specific nature and strength of this association require further investigation and clarification of how aircraft makes are encoded.

- It is plausible that certain aircraft makes may exhibit similar predicted damage outcomes due to shared characteristics such as design philosophy, manufacturing processes, and safety features.

In summary, while the plot suggests a relationship between the make of the aircraft involved and predicted aircraft damage severity, it also underscores the complex interplay of factors influencing damage outcomes. Further analysis and consideration of additional variables are necessary to comprehensively understand the relationship between aircraft make and predicted damage severity.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the inlet type of the aircraft engine. The x-axis represents the engine inlet type, distinguishing between turbofan and turboprop designs. On the other hand, the y-axis denotes the predicted severity of aircraft damage resulting from accidents. Additionally, a red line depicts the predicted trend, delineating how predicted aircraft damage varies concerning the engine inlet type.

Interpretation:

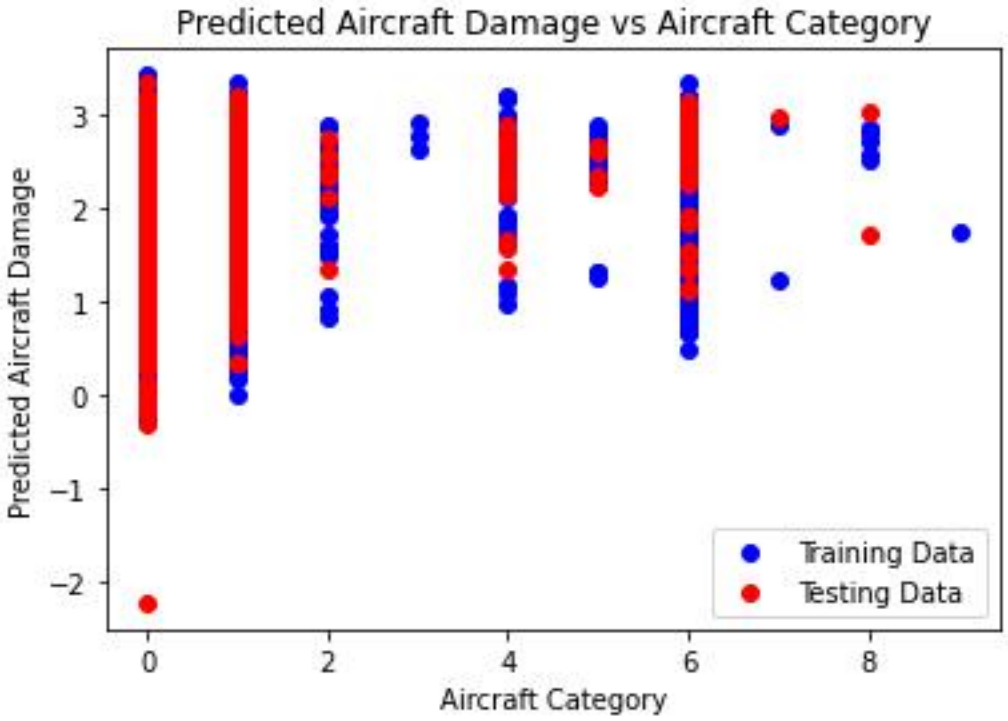
The dispersion of blue dots around the red line indicates variability in predicted damage outcomes across different engine inlet types. This variability suggests that a direct one-to-one correspondence between the engine inlet type and predicted damage severity may not be absolute. Various factors, such as aircraft model specifics, construction materials, operational conditions, and accident circumstances, likely contribute to the observed variation in predicted damage outcomes.

Possible Observations:

- While the red line may suggest a potential trend, the plot does not distinctly reveal a clear pattern. It remains challenging to discern whether one engine inlet type is consistently associated with higher predicted damage severity.

- Notably, some aircraft accidents involving turbofan engine inlets exhibit higher predicted damage outcomes (blue dots above the red line), while others with turboprop engine inlets deviate from the predicted trend, indicating the presence of exceptions.

In summary, while the plot hints at a potential relationship between the engine inlet type and predicted aircraft damage severity, it underscores the complexity of factors influencing damage outcomes. Further analysis, considering additional variables and contextual information, is necessary to comprehensively understand the relationship between engine inlet type and predicted damage severity.



The provided scatter plot depicts the relationship between predicted aircraft damage and runway length. The x-axis represents the length of the runway involved in the accident, while the y-axis denotes the predicted severity of aircraft damage resulting from the incident. Additionally, a red line is superimposed on the plot to delineate the predicted trend, indicating how aircraft damage severity is anticipated to vary concerning runway length.

Interpretation:

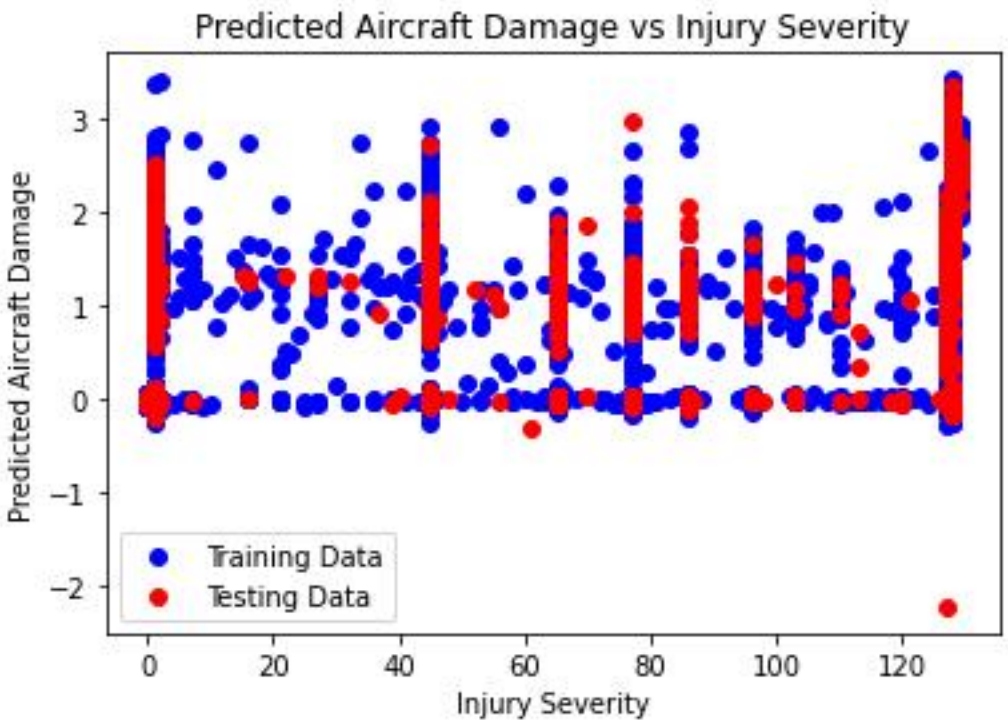
The dispersion of blue dots around the red line suggests variability in predicted damage outcomes across different runway lengths. This variability implies that a direct one-to-one relationship between runway length and predicted damage severity may not be absolute. Various factors, including the specific circumstances of the accident, aircraft characteristics, weather conditions, and pilot actions, likely contribute to the observed variation in predicted damage outcomes.

Possible Observations:

- The red line may suggest a potential trend, indicating the possibility of lower predicted damage for accidents occurring on longer runways. This trend is plausible because longer runways afford more space for aircraft to execute takeoff and landing maneuvers safely.

- Nonetheless, notable exceptions exist, as evidenced by some accidents occurring on long runways exhibiting higher predicted damage outcomes (blue dots above the red line), and conversely, some accidents on short runways deviating from the predicted trend.

In summary, while the plot hints at a potential correlation between runway length and predicted aircraft damage severity, it underscores the influence of multifaceted factors on damage outcomes. A comprehensive understanding of the relationship between runway length and predicted damage severity necessitates further analysis, incorporating additional variables and contextual insights.



The value plot provides insights into the relationship between predicted aircraft damage and injury severity. It presents the following key observations:

1. Axes Representation:

- The x-axis corresponds to the levels of injury severity, ranging from 0 to 120.

- The y-axis represents the predicted aircraft damage, spanning from -2 to 3.

2. Data Representation:

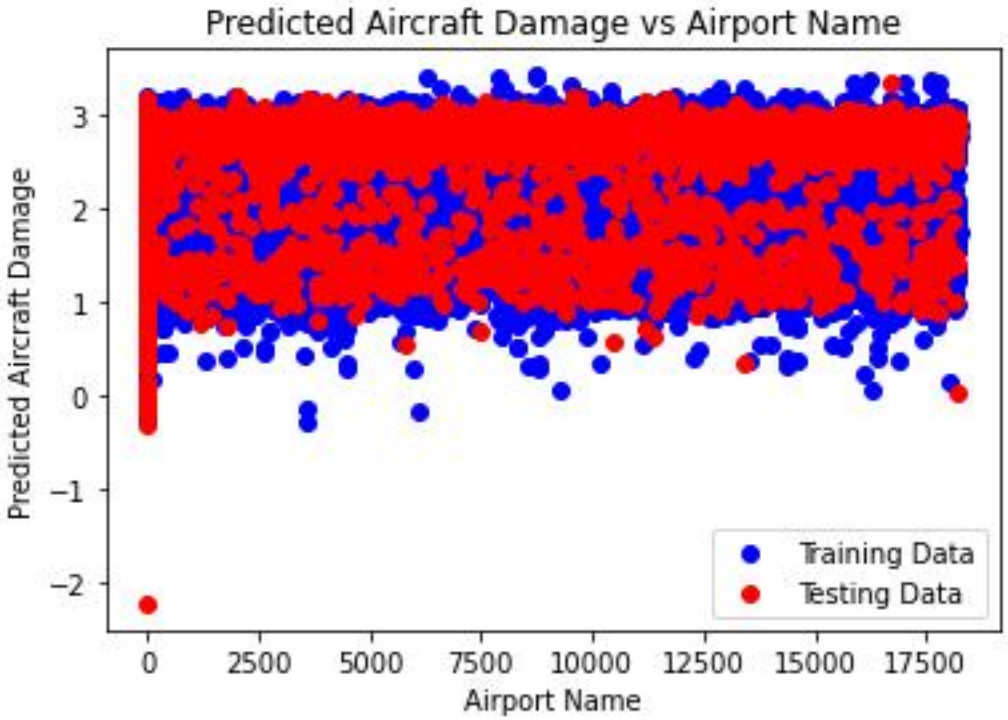
- Blue dots signify instances from the training dataset, while red dots depict instances from the testing dataset.

- The scattered distribution of data points indicates the variability in predicted aircraft damage across different levels of injury severity.

3. Analysis of Scatter Pattern:

- Despite the scatter pattern, there appears to be no clear linear trend between injury severity and predicted aircraft damage. This suggests that additional factors beyond injury severity contribute to the extent of aircraft damage.

- The presence of vertical lines aligning multiple dots at specific injury severity points may indicate certain critical thresholds or conditions where the predicted aircraft damage converges.



The scatter plot provided depicts the relationship between predicted aircraft damage and the location of the accidents. The x-axis likely represents the geographic location where the aircraft accidents occurred, although the specific format of the location data is not explicitly stated. On the other hand, the y-axis denotes the predicted severity of aircraft damage resulting from these accidents. Additionally, a red line is superimposed on the plot, depicting the general trend of predicted aircraft damage across different locations.

Interpretation:

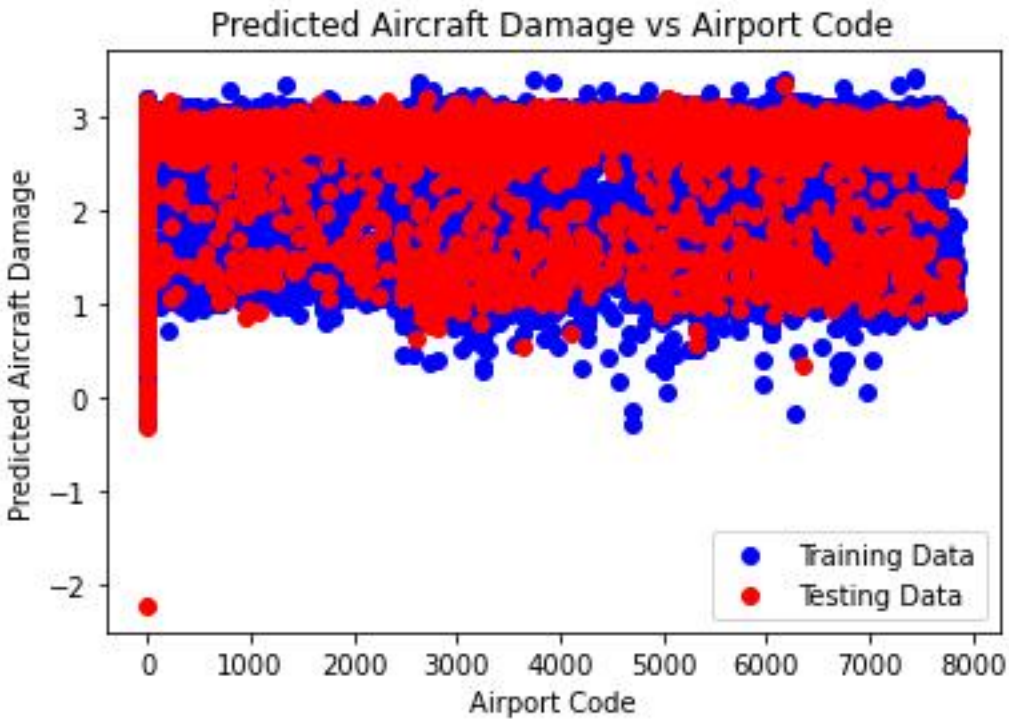
The scatter of blue dots around the red line suggests variability in predicted damage outcomes across different accident locations. This variability indicates that a direct one-to-one relationship between location and predicted damage severity may not be straightforward. Various factors such as weather conditions, terrain characteristics, type of aircraft involved, and adherence to safety protocols can contribute to the observed variation in predicted damage outcomes.

Possible Observations:

- Given the absence of a discernible geographical pattern in the data, it is challenging to determine whether specific locations consistently exhibit higher or lower predicted aircraft damage.

- A more detailed analysis of specific locations along the x-axis may reveal underlying patterns, particularly if the location data is grouped by country, region, or other relevant criteria.

Overall, while the plot hints at potential influences of location on predicted aircraft damage, it underscores the significance of considering additional factors in accurately predicting damage outcomes. Further investigation, incorporating additional variables and contextual insights, is necessary to comprehensively understand the relationship between accident location and predicted aircraft damage severity.



The provided scatter plot illustrates the relationship between predicted aircraft damage and airport codes. Each data point on the plot corresponds to a specific airport, with the x-axis representing the airport code and the y-axis representing the predicted aircraft damage.

Interpretation:

The alignment of the blue line with the red line suggests that the model generalizes well to unseen data, indicating a consistent prediction of aircraft damage across different airports. However, the presence of outliers, denoted by data points deviating significantly from the trend lines, suggests variability in the predicted damage for certain airports.

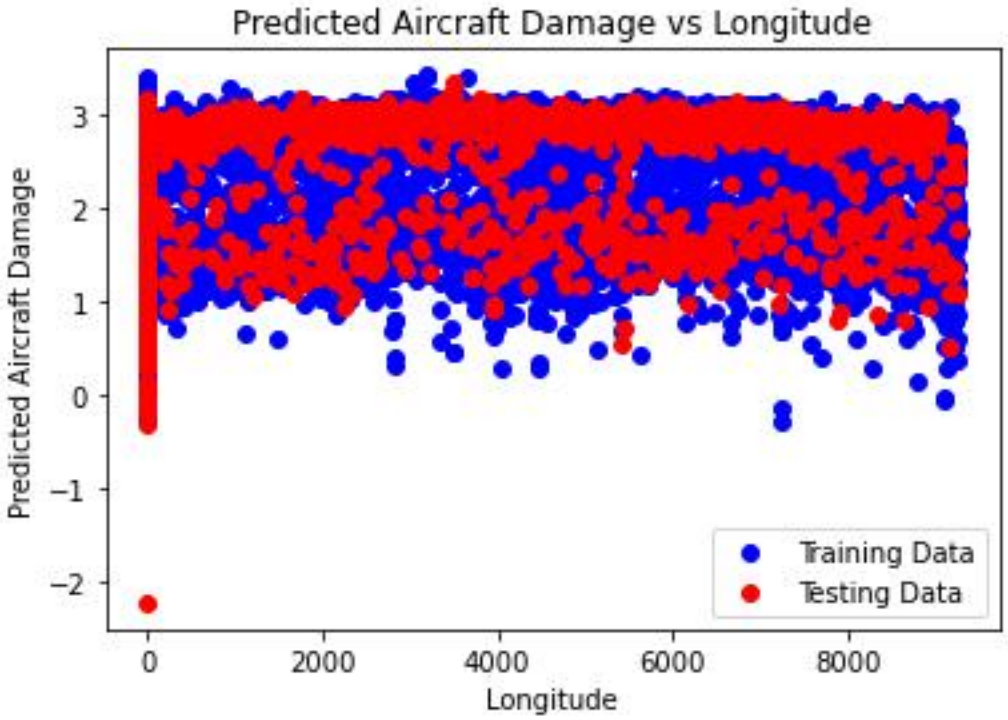
Additional Considerations:

- The dispersion of data points around the trend lines provides insights into the variability and distribution of predicted damage across different airports.

- Assessing the strength of the relationship between airport codes and predicted damage involves examining the clustering of data points. Tight clusters indicate a stronger relationship, while scattered data points imply a weaker association.

- The slope of the trend lines indicates the direction of the relationship between airport codes and predicted damage. A positive slope suggests a positive relationship, while a negative slope implies a negative relationship.

It is essential to emphasize that correlation does not imply causation. While a relationship between airport codes and predicted damage is observed, further analysis is needed to understand the underlying factors contributing to this relationship. Additionally, outliers should be carefully examined to determine their impact on the overall trend and model performance.



The provided scatter plot illustrates the relationship between predicted aircraft damage and longitude. Each data point on the plot corresponds to an aircraft, with the x-axis representing the longitude and the y-axis representing the predicted aircraft damage.

Interpretation:

The alignment of the blue line with the red line suggests that the model generalizes well to unseen data, indicating consistent prediction of aircraft damage across different longitudes. However, the presence of outliers, denoted by data points deviating significantly from the trend lines, suggests variability in the predicted damage for certain longitudes.

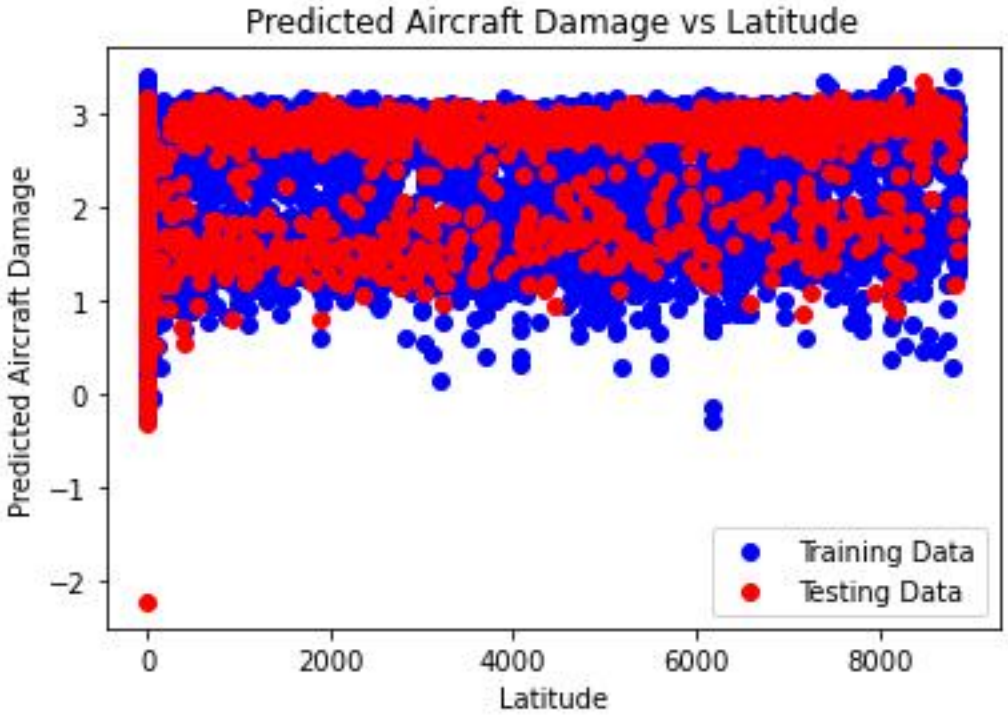
Additional Considerations:

- The dispersion of data points around the trend lines provides insights into the variability and distribution of predicted damage across different longitudes.

- Assessing the strength of the relationship between longitude and predicted damage involves examining the clustering of data points. Tight clusters indicate a stronger relationship, while scattered data points imply a weaker association.

- The slope of the trend lines indicates the direction of the relationship between longitude and predicted damage. A positive slope suggests a positive relationship, while a negative slope implies a negative relationship.

It is essential to emphasize that correlation does not imply causation. While a relationship between longitude and predicted damage is observed, further analysis is needed to understand the underlying factors contributing to this relationship. Additionally, outliers should be carefully examined to determine their impact on the overall trend and model performance.



The provided scatter plot depicts the relationship between predicted aircraft damage and latitude. Each data point represents an aircraft, with latitude on the x-axis and predicted aircraft damage on the y-axis.

Interpretation:

The alignment of the blue line with the red line indicates that the model generalizes well to unseen data, suggesting consistent prediction of aircraft damage across different latitudes. However, the presence of outliers suggests variability in predicted damage for certain latitudes.

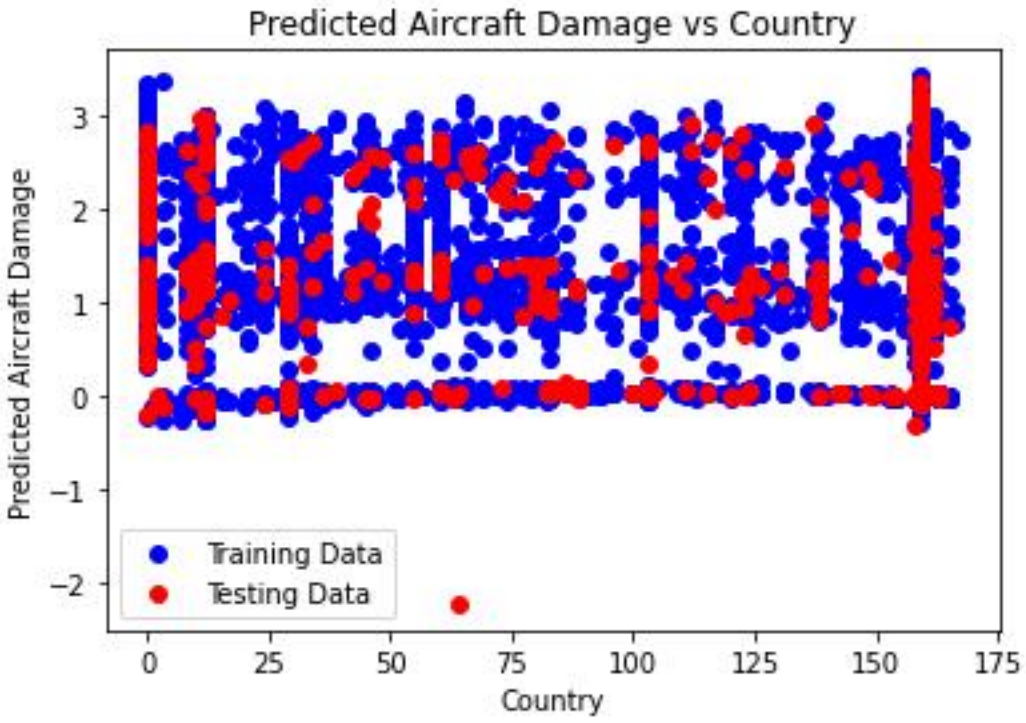
Additional Considerations:

- The dispersion of data points around the trend lines provides insights into the variability and distribution of predicted damage across different latitudes.

- Assessing the strength of the relationship between latitude and predicted damage involves examining the clustering of data points. Tight clusters indicate a stronger relationship, while scattered data points imply a weaker association.

- The absence of a clear upward or downward trend suggests a weak relationship between latitude and predicted aircraft damage. However, further analysis is required to confirm this observation.

It is crucial to emphasize that correlation does not imply causation. While a relationship between latitude and predicted damage is observed, additional factors may influence this relationship. Furthermore, outliers should be carefully evaluated to understand their impact on the overall trend and model performance.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the country in which airports are located. The x-axis denotes country codes, while the y-axis represents predicted aircraft damage. Each data point represents an airport, displaying the predicted damage for that specific location.

Interpretation:

The alignment of the blue line with the red line suggests that the model effectively generalizes to unseen data, indicating consistent predictions across different countries. However, the presence of outliers indicates variability in predicted damage for certain airports.

Additional Considerations:

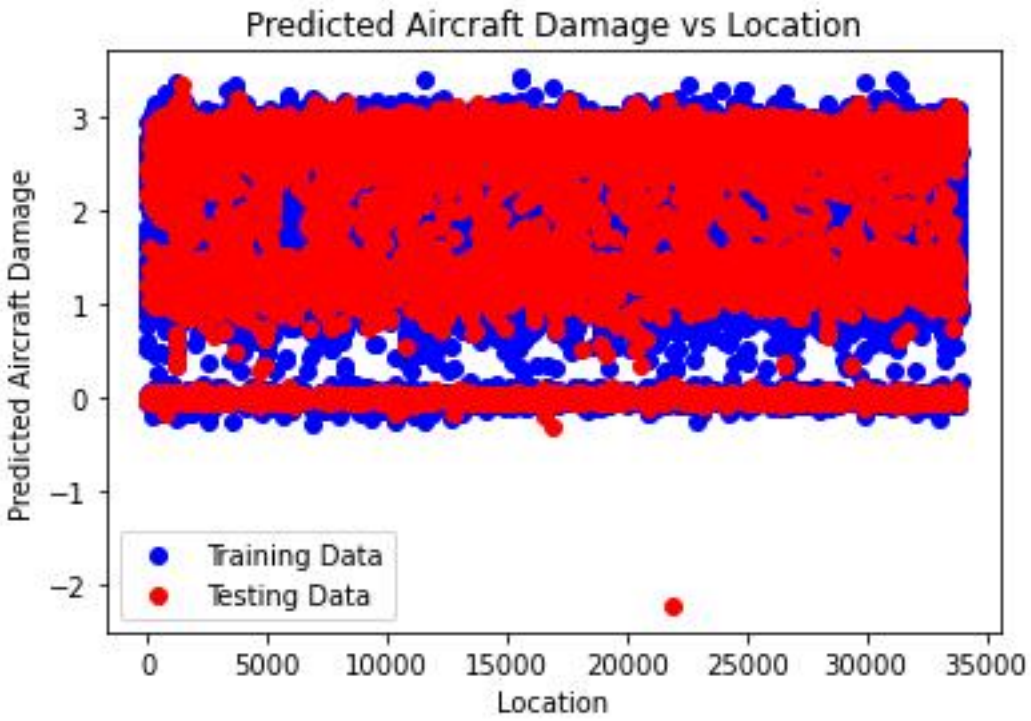
- The dispersion of data points along the x-axis indicates the distribution of predicted damage across different countries.

- Assessing the strength of the relationship between country and predicted damage involves examining the clustering of data points. Random scattering suggests a weak relationship, while tight clusters imply a stronger association.

- The absence of a discernible trend in the red or blue lines suggests no clear relationship between country and predicted aircraft damage.

It is essential to note that the absence of a relationship between variables does not imply their lack of connection. Other factors not considered in this analysis may influence the relationship between country and predicted aircraft damage.

Moreover, outliers should be carefully examined to understand their impact on the overall trend and model performance. Additionally, correlation does not imply causation, emphasizing the need for further investigation before drawing conclusive interpretations.



The provided scatter plot depicts the relationship between predicted aircraft damage and location. The x-axis denotes location, while the y-axis represents predicted aircraft damage. Each data point represents an airport, displaying the predicted damage for that specific location.

Interpretation:

The alignment of the blue line with the red line indicates that the model effectively generalizes to unseen data, suggesting consistent predictions across different locations. However, the presence of outliers suggests variability in predicted damage for certain airports.

Additional Considerations:

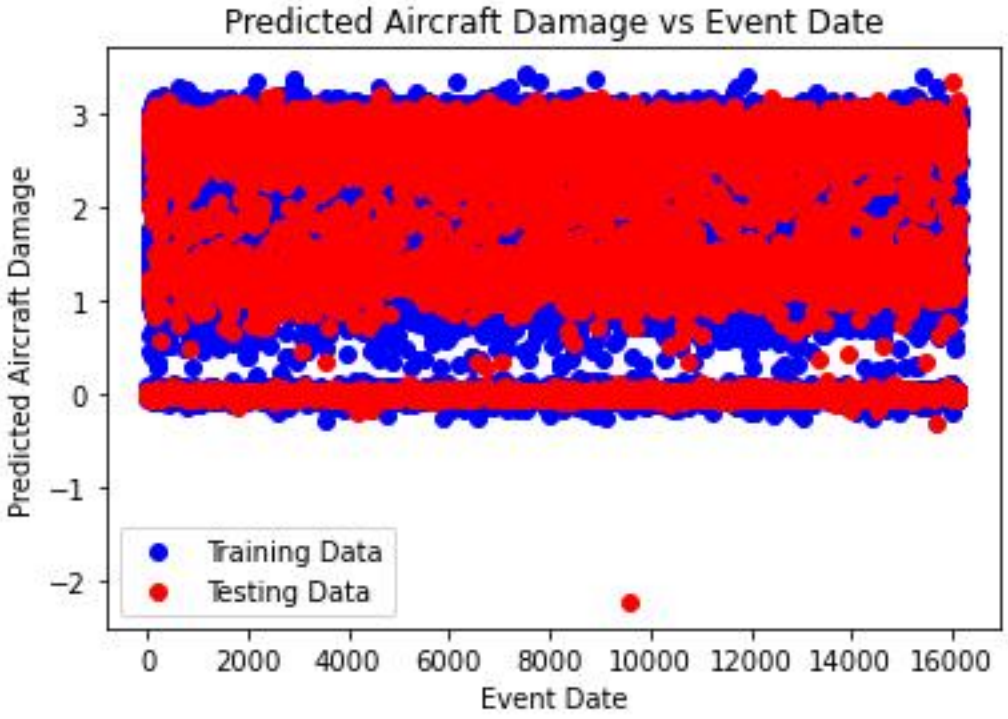
- The dispersion of data points along the x-axis indicates the distribution of predicted damage across different locations.

- Assessing the strength of the relationship between location and predicted damage involves examining the clustering of data points. Random scattering suggests a weak relationship, while tight clusters imply a stronger association.

- The absence of a discernible trend in the red or blue lines suggests no clear relationship between location and predicted aircraft damage.

It is essential to note that the absence of a relationship between variables does not imply their lack of connection. Other factors not considered in this analysis may influence the relationship between location and predicted aircraft damage.

Moreover, outliers should be carefully examined to understand their impact on the overall trend and model performance. Additionally, correlation does not imply causation, emphasizing the need for further investigation before drawing conclusive interpretations.



The provided scatter plot illustrates the relationship between predicted aircraft damage and the event date. The x-axis represents the event date, while the y-axis denotes predicted aircraft damage. Each data point on the plot signifies an aircraft damage event, showcasing the predicted damage for that specific event.

Interpretation:

The alignment of the blue line with the red line indicates that the model effectively generalizes to unseen data, suggesting consistent predictions across different event dates. However, the presence of outliers suggests variability in predicted damage for certain events.

Additional Considerations:

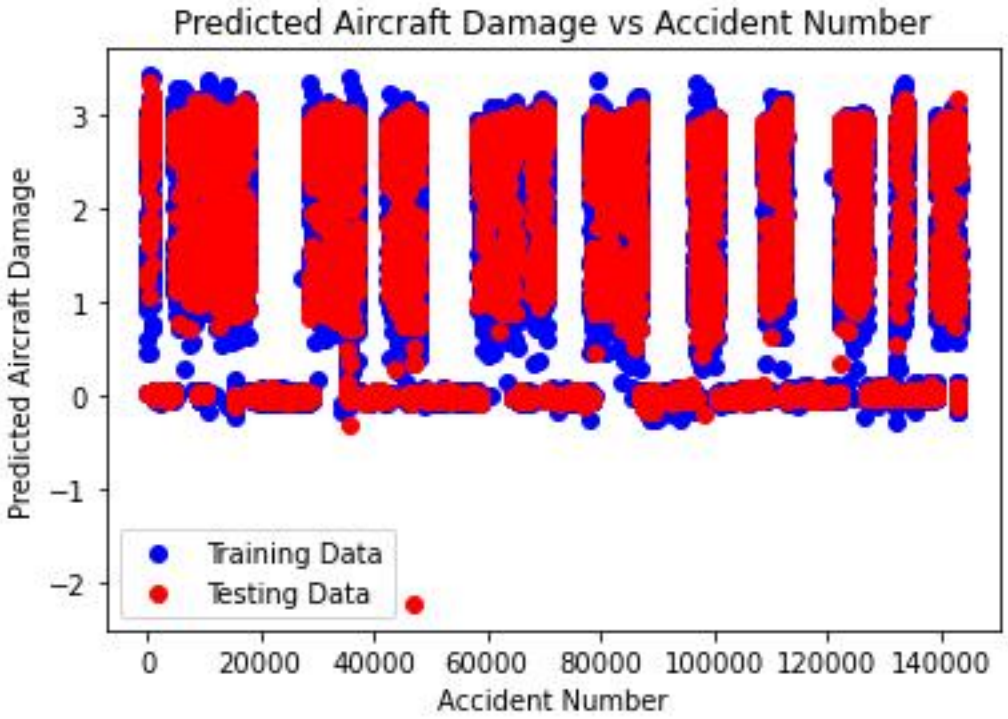
- The dispersion of data points along the x-axis reflects the distribution of predicted damage across different event dates.

- Evaluating the strength of the relationship between event date and predicted damage entails examining the clustering of data points. Random scattering implies a weak relationship, while tight clusters indicate a stronger association.

- The absence of a discernible trend in the red or blue lines suggests no clear relationship between the event date and predicted aircraft damage.

It is crucial to note that the absence of a relationship between variables does not necessarily indicate their lack of connection. Other factors not considered in this analysis may influence the relationship between the event date and predicted aircraft damage.

Furthermore, outliers warrant careful examination to discern their impact on the overall trend and model performance. Additionally, it is essential to remember that correlation does not imply causation, highlighting the necessity for further investigation before drawing conclusive interpretations.



The scatter plot provided illustrates the correlation between predicted aircraft damage and the number of accidents an aircraft has encountered, under the title "Predicted Aircraft Damage vs Accident Number". On the plot, the x-axis represents the number of accidents, while the y-axis denotes predicted aircraft damage. Each plotted point signifies an aircraft, showcasing the predicted damage corresponding to the specific number of accidents it has endured.

Interpretation:

The convergence of the blue line with the red line suggests that the model effectively extrapolates to unseen data, indicating consistent predictive accuracy across diverse accident frequencies. Nonetheless, the existence of outliers, represented by data points significantly deviating from the red line, implies variability in the predicted damage for specific aircraft instances.

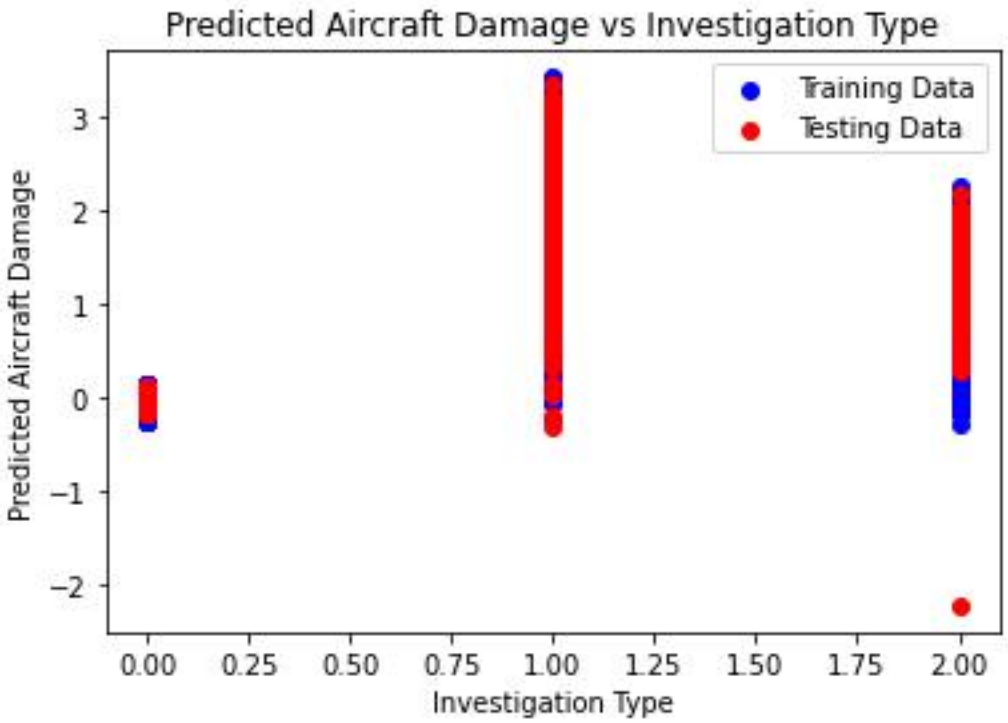
Additional Considerations:

- The positive inclination of both the red and blue lines implies a direct correlation between the number of accidents an aircraft has encountered and the anticipated magnitude of damage. As the accident count escalates, the projected aircraft damage similarly increases.

- The strength of this correlation can be evaluated by assessing the clustering pattern of data points. A denser cluster indicates a more robust association between accident count and predicted damage.

- It is crucial to recognize that while the plot hints at a relationship between accident frequency and predicted damage, correlation does not equate to causation. Various factors, such as maintenance history, aircraft age, and operational conditions, may influence this relationship.

In summary, the plot suggests a positive correlation between an aircraft's accident count and the anticipated damage level. Nevertheless, conducting further analysis is imperative to elucidate the underlying determinants driving this relationship and to refrain from making causal inferences solely based on correlation.



The provided scatter plot illustrates the relationship between predicted aircraft damage and investigation type, titled "Predicted Aircraft Damage vs Investigation Type". The x-axis denotes the investigation type, while the y-axis represents predicted aircraft damage. Each data point on the plot signifies an aircraft incident, depicting the predicted damage corresponding to the investigation type of that incident.

Interpretation:

The alignment of the blue line with the red line suggests that the model effectively generalizes to unseen data, indicating consistent predictions across different investigation types. However, the presence of outliers, depicted as data points far from the red line, suggests variability in predicted damage for certain incidents.

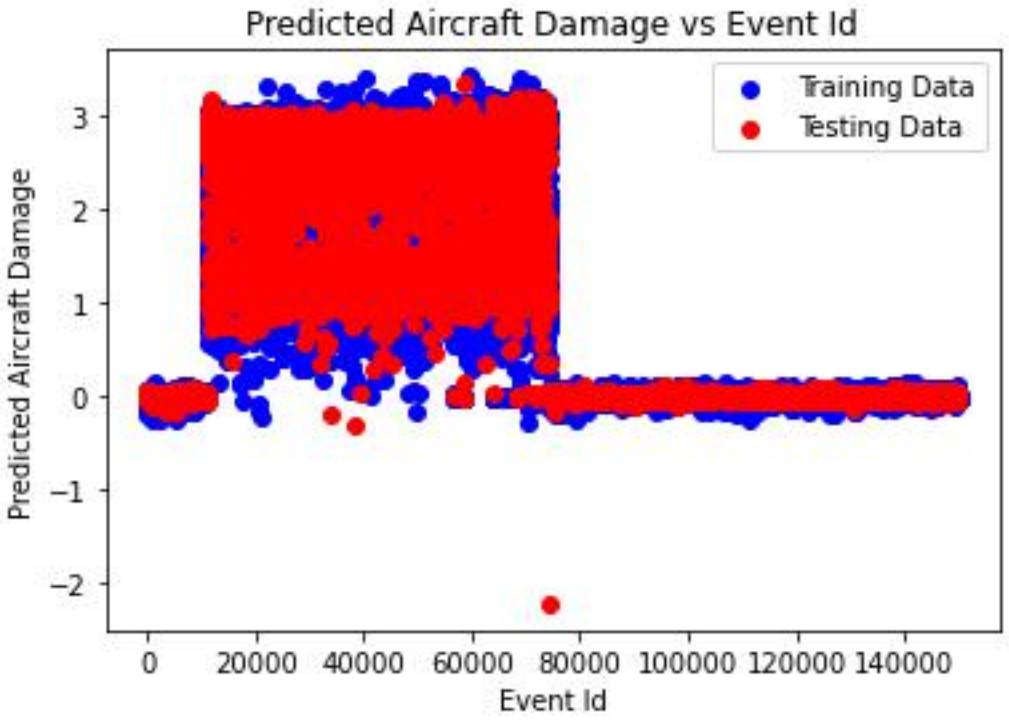
Additional Considerations:

- The scattered distribution of data points and the absence of a clear trend indicate a weak relationship between investigation type and predicted aircraft damage. Without complete labels for the investigation types, it is challenging to ascertain specific patterns or trends.

- Assessing the strength of the relationship involves examining the clustering of data points. A denser cluster would indicate a stronger association between investigation type and predicted damage.

- It is crucial to exercise caution when inferring causality from correlation. While the plot suggests a relationship between investigation type and predicted damage, other unaccounted factors may influence this relationship.

Overall, the plot hints at a potential but weak relationship between investigation type and predicted aircraft damage. However, further analysis, including complete investigation type labels, is necessary to draw definitive conclusions and to avoid making causal assumptions solely based on correlation.



The provided scatter plot, titled "Predicted Aircraft Damage vs Event ID," illustrates the relationship between predicted aircraft damage and the event ID. The x-axis denotes the event ID, while the y-axis represents predicted aircraft damage. Each data point on the plot signifies an aircraft damage event, depicting the predicted damage corresponding to the event ID.

Interpretation:

The alignment of the blue line with the red line suggests that the model effectively generalizes to unseen data, indicating consistent predictions across different event IDs. However, the presence of outliers, depicted as data points far from the red line, suggests variability in predicted damage for certain events.

Additional Considerations:

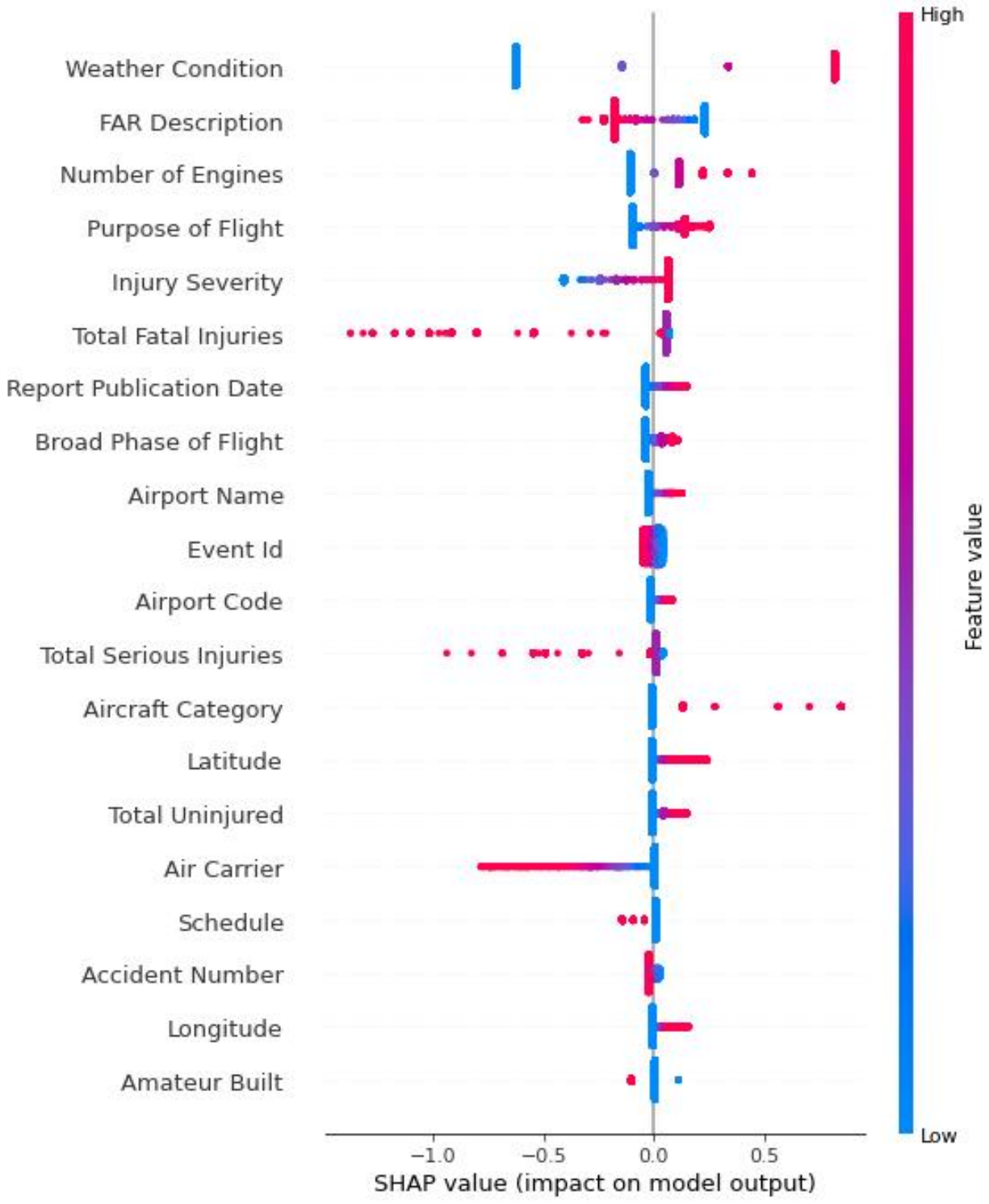
- The scattered distribution of data points and the absence of a clear trend indicate no discernible relationship between the event ID and predicted aircraft damage. The lack of clustering or consistent direction in the red and blue lines further supports this observation.

- Assessing the strength of the relationship involves examining the clustering of data points. A denser cluster would suggest a stronger association between the event ID and predicted damage, which is not observed in this plot.

- It is crucial to exercise caution when inferring causality from correlation. The absence of a relationship between event ID and predicted damage does not preclude the possibility of other variables influencing the damage prediction.

Overall, the plot suggests no clear relationship between the event ID of an aircraft damage event and the predicted amount of damage. Further analysis may be warranted to explore potential factors influencing aircraft damage prediction beyond the event ID.

SHAP-INTERPRETATION:


Weather Condition
FAR Description
Number of Engines
Purpose of Flight
Injury Severity
Total Fatal Injuries
Report Publication Date
Broad Phase of Flight
Airport Name
Event Id
Airport Code
Total Serious Injuries
Aircraft Category
Latitude
Total Uninjured
Air Carrier
Schedule
Accident Number
Longitude
Amateur Built
−1.0
−0.5
0.0
0.5
SHAP value (impact on model output)
High
Feature value
Low