

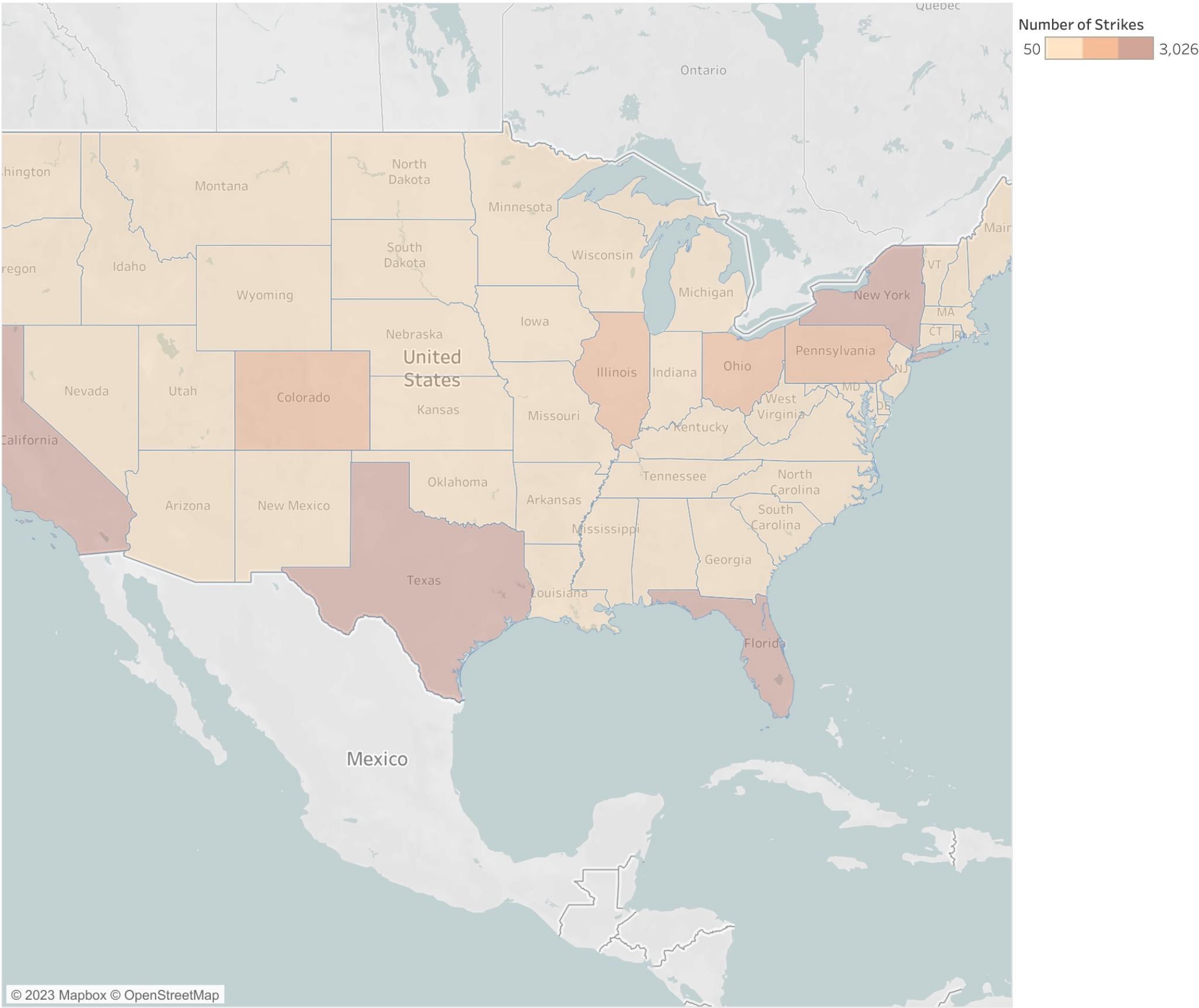
Final-Project-Tableau

PROJECT (FAA Wildlife Strikes, 2015)

1. Analyze wildlife strikes data from 2000-2015 in the United States.
2. Create meaningful visualizations to explore the dataset.
3. Detect trends and patterns related to different categorical features.

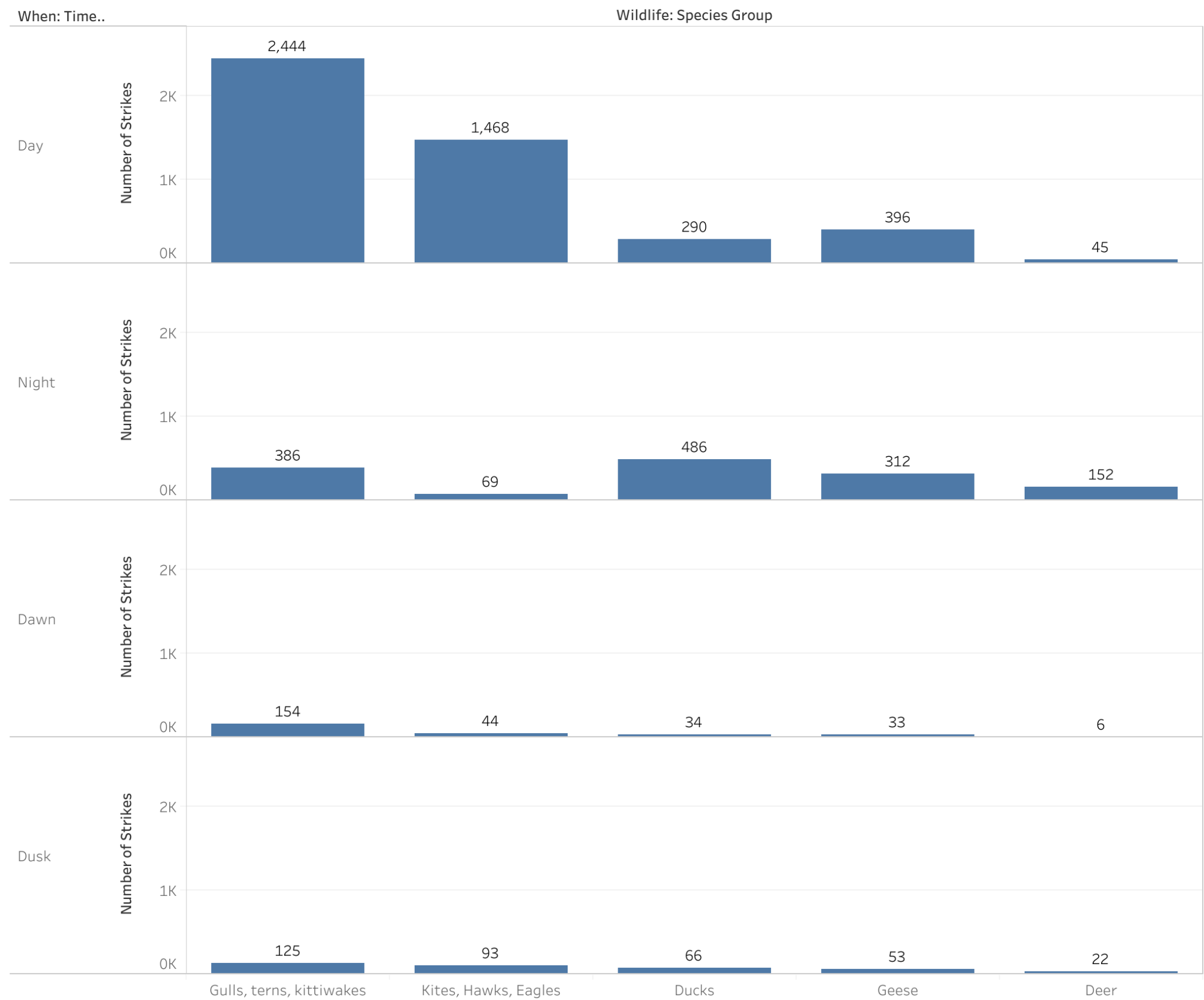
Story 1

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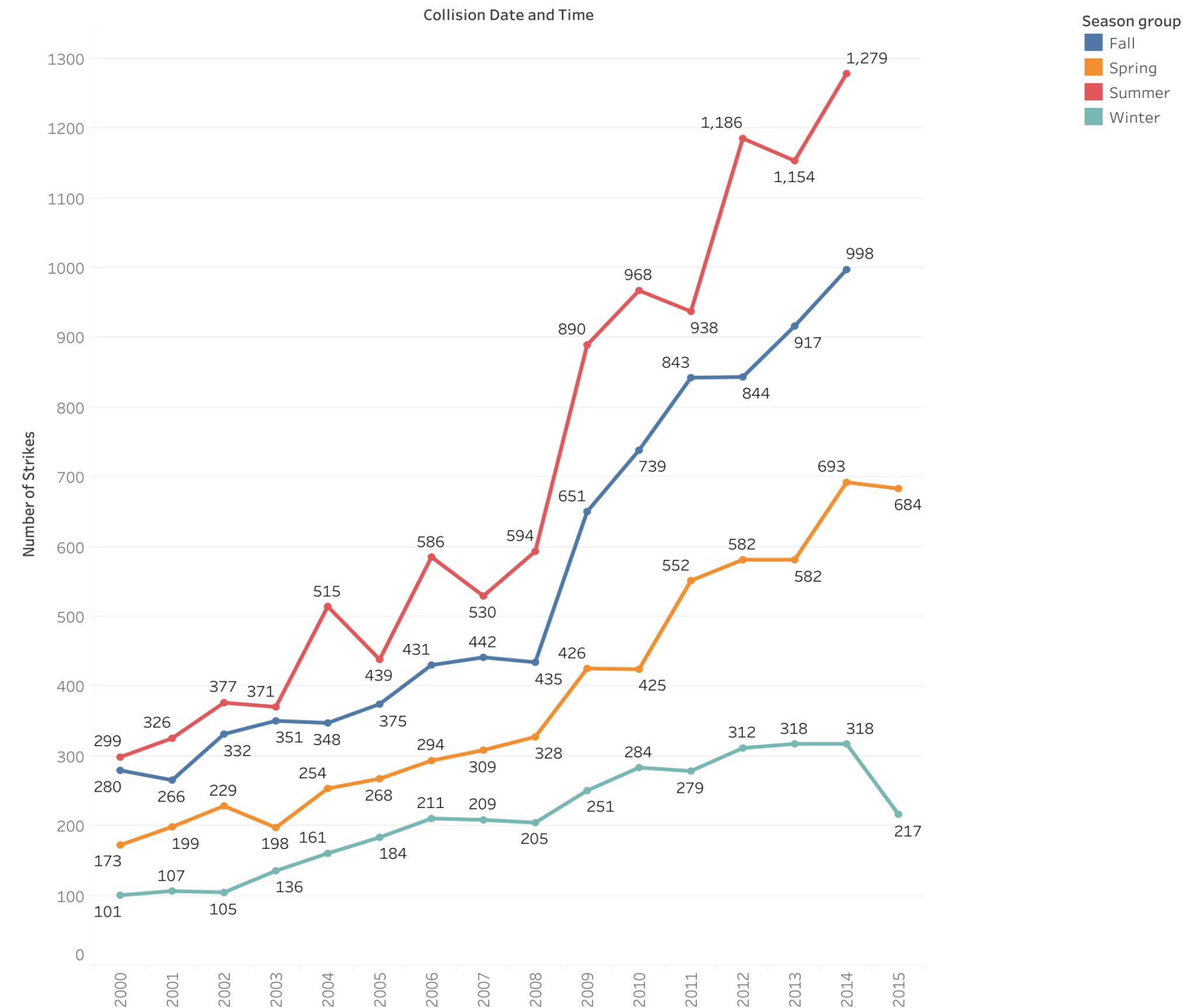
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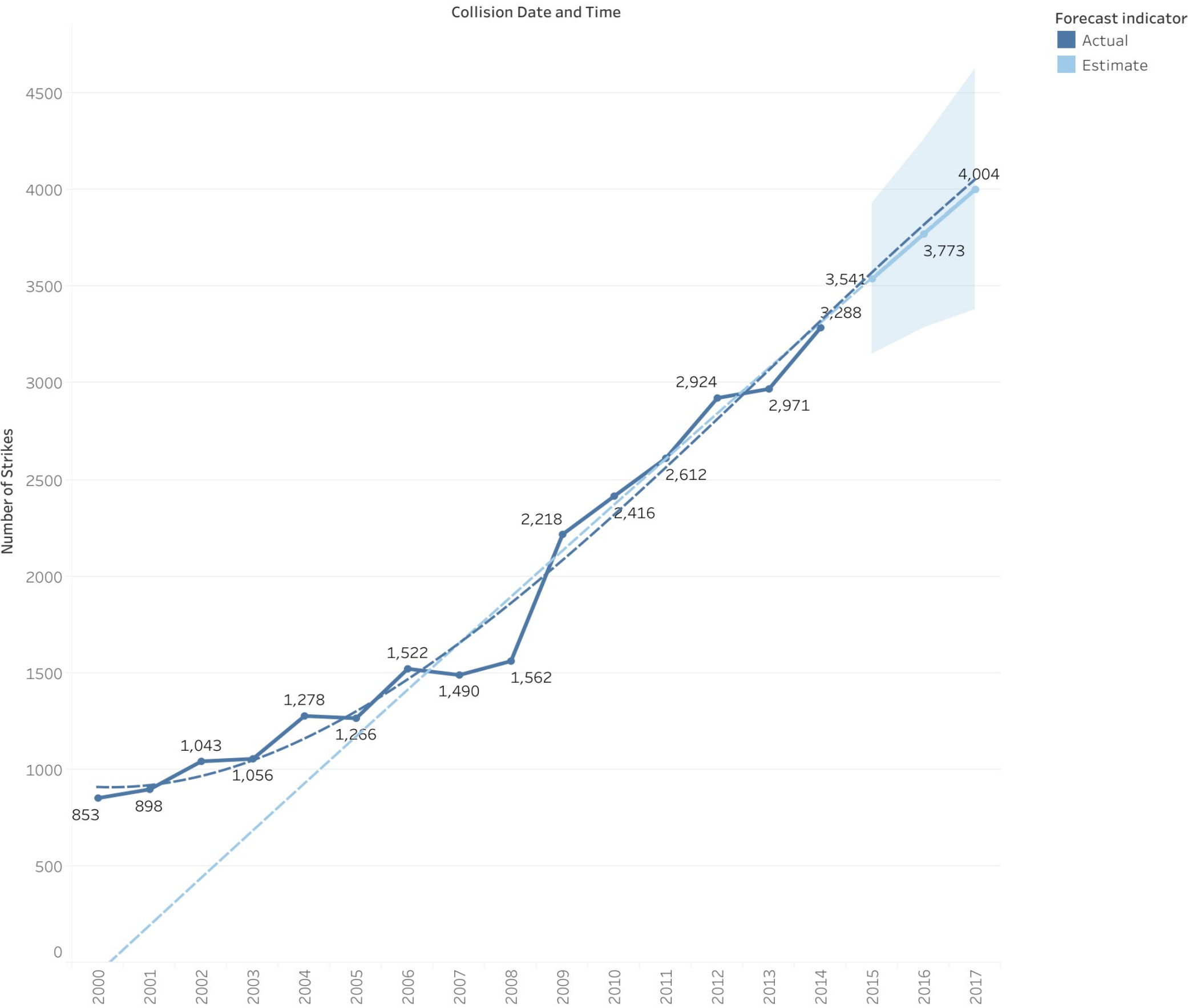
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CHALLENGES

1. Data Consistency: Inconsistent formats for location information across different records can lead to mapping errors.
2. Complex Data: Handling diverse features related to aircraft type, phase of flight, and damage effect in clustering algorithms can be complex.
3. Outlier Detection: Detecting and handling outliers in the data can impact the quality of analysis and visualizations.
4. Numerical and Continuous Data: Ensuring that numerical data, such as cost-related variables, are interpreted correctly is essential.
5. Time Constraints: Meeting project deadlines and balancing analysis depth can be challenging.

Future Goals

- **With more time, implement clustering algorithms to identify strike clusters based on aircraft type, phase of flight, and damage effect.**
- **Explore additional questions related to cost analysis.**
- **Create a more comprehensive and interactive dashboard for ongoing analysis.**