Exploring U.S. Hate Crime Frequency and Severity with Tableau

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Client/Sponsor: Independent Portfolio Project

Purpose:

To analyze FBI–reported hate crime data across the U.S. to identify which regions experience the most frequent and most violent hate crimes, and explore potential patterns or trends over time using Tableau.

Scope / Major Project Activities:

Activity	Description
Data Collection and Cleaning	Retrieve FBI hate crime data from multiple Excel files, consolidate them into a single structured dataset, remove unnecessary or null columns, handle missing and duplicate values, and standardize bias categories for Tableau compatibility.
Exploratory Data Analysis	Examine hate crime trends by region, offense type, bias category, and offender demographics with focus on total offenders, total victims, and single vs. multiple offenses to identify areas with the highest frequency and severity of incidents.
Data Visualization and Dashboard Design	Create interactive Tableau dashboards line charts of yearly trends, bar charts comparing single and multiple offenses, state–level offender totals, and a geographic map view, with filters for region, bias type, and offense category to clearly communicate insights.

This project does not include:

- This project will not examine specific hate crime cases or individual incidents in detail. Analysis will remain at the aggregated regional or state level.

- The project will not attempt to determine why hate crimes occur or build predictive models to forecast future incidents.
- The project will not propose policy changes or legal interventions. It will focus strictly on data exploration, visualization, and descriptive insights.

Deliverables:

Deliverable	Description/ Details
Cleaned Dataset	A cleaned and finalized FBI hate crime dataset prepared for Tableau. The dataset was consolidated from multiple Excel files, with duplicates removed, missing values handled, and all key fields formatted consistently for accurate visualization and analysis.
Data Visualizations	An interactive Tableau dashboard displaying hate crime trends and comparisons across states and regions. The dashboard includes line charts for yearly offender and victim counts, bar charts comparing single and multiple offenses, and a geographic map highlighting regional bias patterns.
Analytical Report	A concise analytical summary explaining the main findings from the Tableau dashboard. It highlights notable regional differences, bias type patterns, and overall crime frequency and severity trends across the United States.

Schedule Overview / Major Milestones:

Milestone	Expected Completion Date	Description/Details
Data Collection and Preparation	*October 21, 2025*	*The dataset is fully ready for analysis with clear documentation of data sources and cleaning methods.*
Data Exploration and Visualization	*November 15,2025*	*Interactive Tableau dashboard and summary visuals created for stakeholder review.*
Analysis Summary and Final Report	*November 30, 2025*	*Completed report and final presentation deck ready for submission or presentation.*

*Estimated date for completion:

November 30, 2025