Interactive Dashboard of Bee Colonies

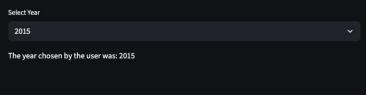
Problem:

Can we visualize how the percentage of U.S. bee colonies affected by Varroa mites has changed over time, and identify trends by state and year?

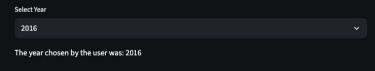
Python, Pandas, Plotly, Dash

Data Pipeline & Visualization

- → Collected publicly available USDA data on bee colonies across U.S. states (2015–2018)
- → Cleaned and grouped raw data using Pandas
- → Engineered a dynamic filtering system for state, year, and cause of impact
- → Created color-coded choropleth maps to display mite impact percentages by state
- → Built an interactive web dashboard with dropdowns and hoverable tooltips
- → Enabled real-time user exploration of trends across states and time









Select Year	
2017	•
The year chosen by the user was: 2017	



