

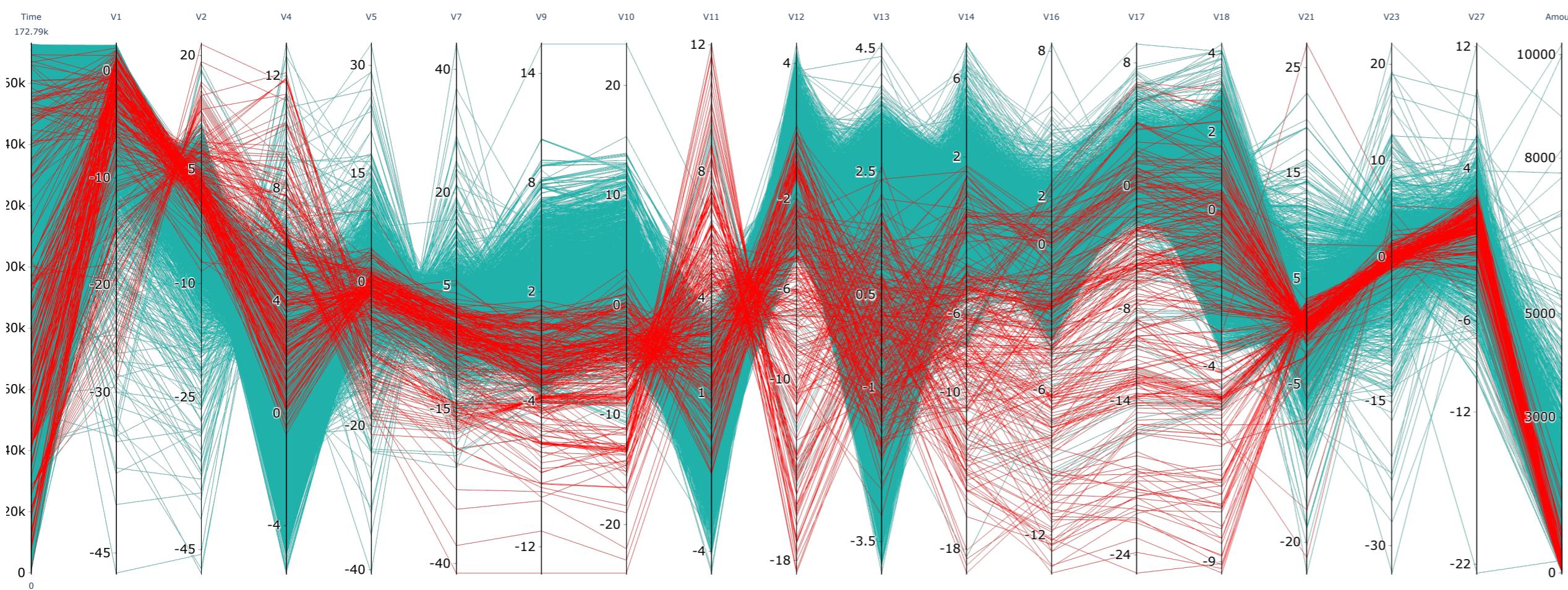
Dashboard for Exploration of a Random Forest Model Used to Detect Fraud

This Random Forest model includes 100 Decision Trees the structure of which can be explored below. Throughout the dashboard Red = Fraud and Green = Not Fraud.

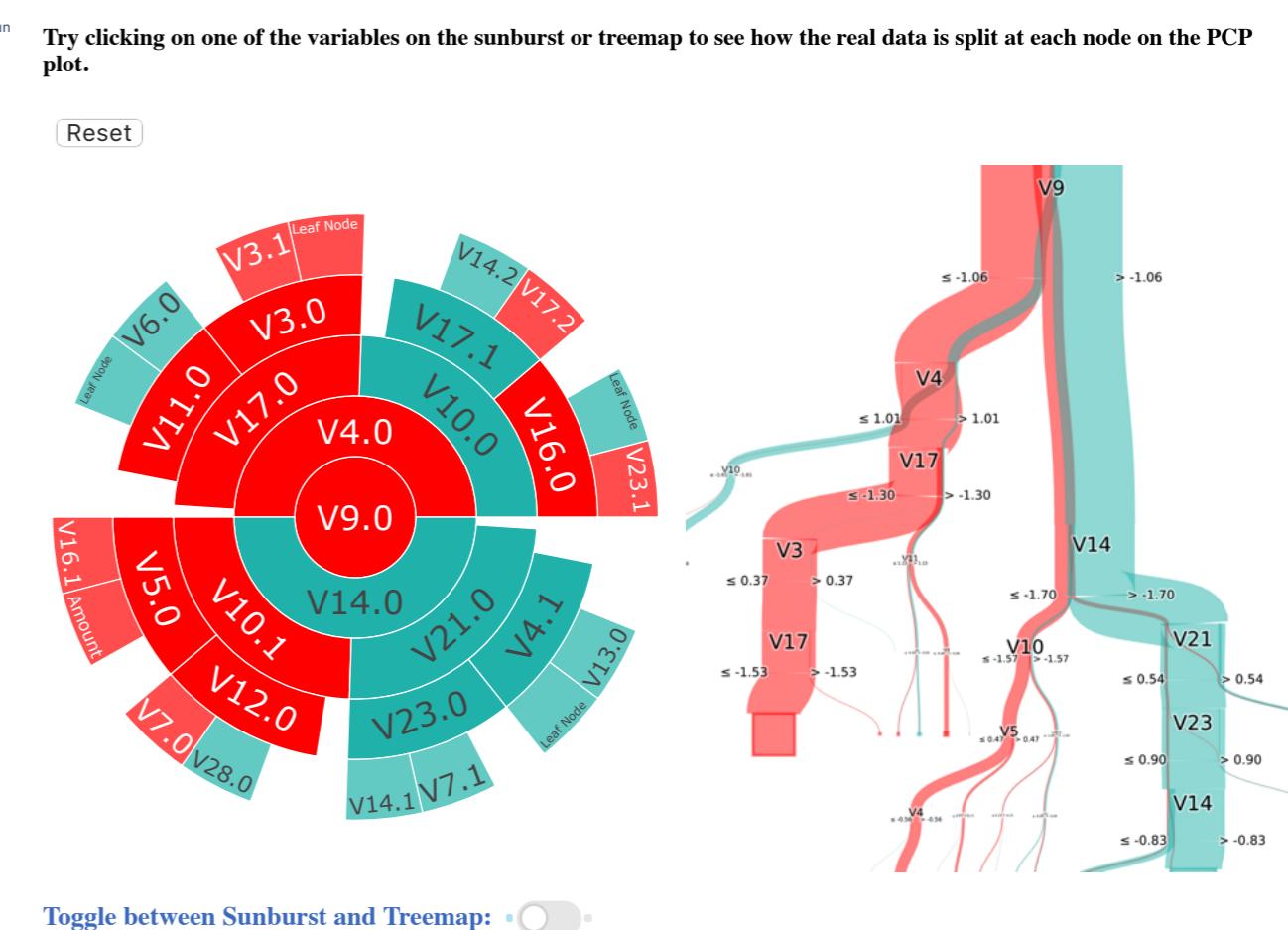
Move the slider to select one of the 100 Decision Trees that make up the Random Forest



Parallel Coordinate plot of Credit Card Fraud data:



Structure of one of the Decision Trees:



Scatter plot of all the Decision Trees

Disimilarity score is calculated by comparision of the string of the hierarchical structure using the Levenstien score. Accuracy refers to accuracy of the tree at predicting Fraud correctly.

Toggle between Sunburst and Treemap:



Whole Random Forest

Toggle between Sunburst and Treemap:

