# **Real-Time Fraud Detection Dashboard**

#### Sample Data Preview

	step	amount	nameorig	oldbalanceorg	newbalanceorig	namedest	oldbalancedest	newbalancedest	isfraud	isflaggedfraud	orig_balance_diff
	0.4987	0.0611	sdv-pii-r8zd6	0.1121	0.0545	sdv-pii-q6998	0.0284	0.009	0	0	0.0576
	0.4946	0.00004	sdv-pii-xq6z3	0.0107	0.0482	sdv-pii-n2ql8	0.0024	0.000007	0	0	-0.0375
2	0.1887	0.00004	sdv-pii-805w0	0.0208	0.2071	sdv-pii-yo0z6	0.0174	0.00000007	0	0	-0.1863
	0.2561	0.0835	sdv-pii-279tw	0.001	0.0007	sdv-pii-9zlyl	0.1533	0.0606	0	0	0.0003
4	0.2264	0.012	sdv-pii-ksz58	0.0062	0.0205	sdv-pii-0ykbo	0.013	0.0031	0	0	-0.0144

## Predict Sample Transaction

Random Forest Prediction: 🗹 Legitimate

#### Sample Used for Prediction:

	step	amount	nameorig	oldbalanceorg	newbalanceorig	namedest	↑ oldbalancedes	newbalancedest	isfraud	isflaggedfraud	orig_balance_diff
1501	0.7035	0.0002	sdv-pii-7vhj0	0.000006	0.0082	sdv-pii-od00l	0.0003	0	0	0	-0.0081

### 📊 Fraud Frequency by Location



Fraud Feature Correlation Heatmap

localhost:8501

//2//25, 6:12 PM						Fraud Detection Dashboard								
step -	1.00	-1.00	1.00	1.00	-1.00	-1.00			-1.00	1.00				1.00
amount –	-1.00	1.00	-1.00	-1.00	1.00	1.00			1.00	-1.00				- 0.75
oldbalanceorg –	1.00	-1.00	1.00	1.00	-1.00	-1.00			-1.00	1.00				- 0.50
newbalanceorig -	1.00	-1.00	1.00	1.00	-1.00	-1.00			-1.00	1.00				0.50
oldbalancedest -	-1.00	1.00	-1.00	-1.00	1.00	1.00			1.00	-1.00				- 0.25
newbalancedest -	-1.00	1.00	-1.00	-1.00	1.00	1.00			1.00	-1.00				- 0.00
isfraud -														0.00
isflaggedfraud -														0.25
orig_balance_diff -	-1.00	1.00	-1.00	-1.00	1.00	1.00			1.00	-1.00				0.50
dest_balance_diff -	1.00	-1.00	1.00	1.00	-1.00	-1.00			-1.00	1.00				
suspicious_zero_balance -														0.75
Class -														
	step -	amount -	oldbalanceorg -	newbalanceorig -	oldbalancedest -	newbalancedest -	isfraud -	isflaggedfraud -	orig_balance_diff -	dest_balance_diff -	suspicious_zero_balance -	Class -		1.00