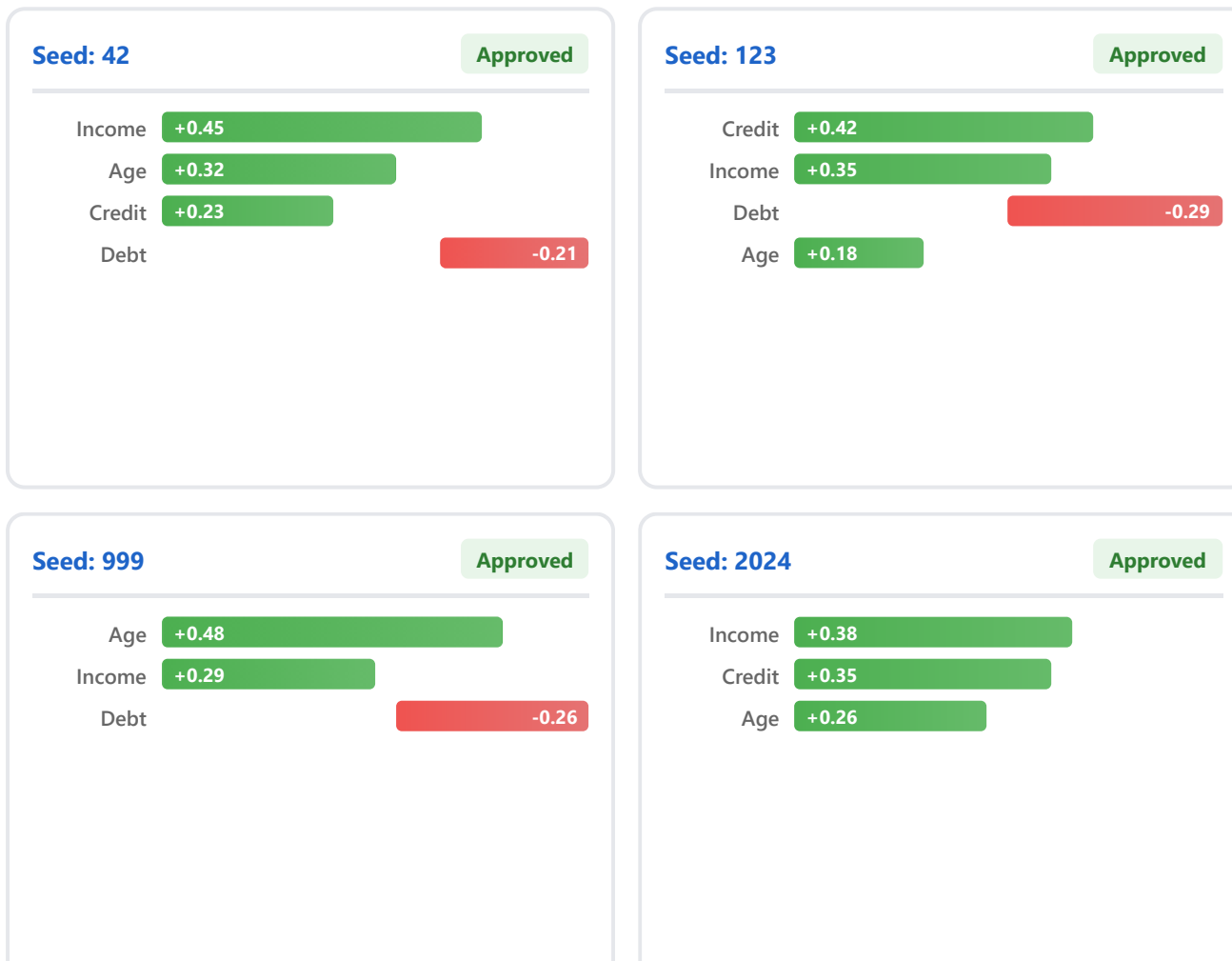


LIME Advanced Topics

Stability, Hyperparameters, and Limitations

Stability Issue Demonstration

⚠ Same instance, different random seeds → different explanations



Key Topics

Challenges

- ⚠ Stability issues
- ⚠ Inconsistent explanations
- ⚠ Sampling sensitivity

Hyperparameters

Kernel width, sample size

Feature Selection

Subset for simplicity

Categorical Vars

Special perturbation strategies

SP-LIME

Representative instances

Text & Image

Segment-based perturbations

Best Practices

- ✓ Run multiple times

Credit

+0.20

Debt

-0.23

✓ Compare with other methods