

# Grad-CAM

Reduced effectiveness in  
deeper architectures Santos et  
al., 2025

## UMAP

Difficult to interpret  
distances Diaz-Papkovich  
et al., 2021

## Grad-CAM++

Struggles with non-linear  
activation functions  
Langbein et al., 2025

## t-SNE

Limited robustness and  
scalability Jeon et al.,  
2025

## LRP

Lacks domain adaptation  
interpretability Ahmad et  
al., 2025

## PCA

Fails to capture non-linear  
relationships Mirkes et al.,  
2022

## SHAP

Limited explanatory  
power in domain  
adaptation Xu et al., 2025

