SHAP for Text and Images: High-Dimensional Explanations
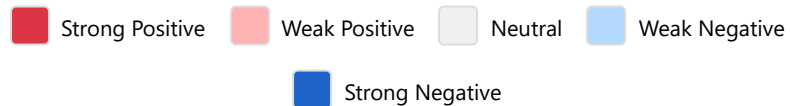
📝 Text (NLP Model)

Sentiment Analysis: Movie Review

This **brilliant** film captivates with
stunning visuals but **disappoints** with
weak plot development
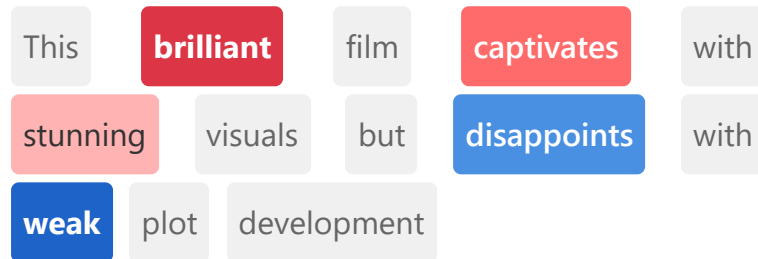
Model Prediction
Mixed (0.58 Positive)

🟥 Strong Positive 🟥 Weak Positive ⬜ Neutral 🟦 Weak Negative

🟦 Strong Negative

Text SHAP Features

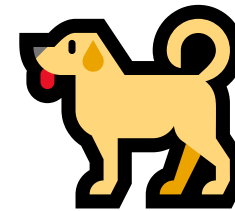|	
Token-level attributions	Color-coded importance
Transformer + SHAP	Context-aware explanations

🖼️ Image (CNN Model)

Original Image

SHAP Heatmap
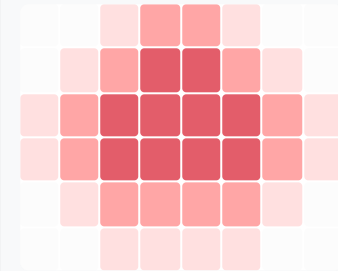
Model Prediction
Dog (0.95 confidence)

🟥 High Importance 🟥 Medium 🟥 Low ⬜ Minimal

Image SHAP Features

Pixel/superpixel attributions	Partition masking
Heatmap overlay	Region importance

🚀 Interactive Practice

Try WebSHAP →