

Model Explainability Report

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1. Model Summary

Model Key: dog_cat

Model Name: ['Cat', 'Dog']

Prediction: Dog

Confidence: 0.9986

Input Image

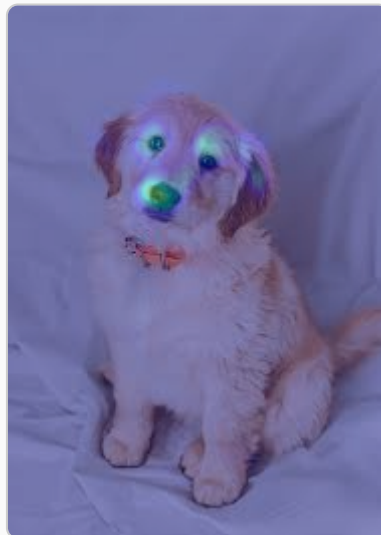


2. Grad-CAM Visualization



(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

3. SHAP Attribution Visualization



(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

4. Grad-CAM vs SHAP Comparison

(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

5. Fidelity Metrics

```
{  
  "ssim": 0.88  
}
```

6. Robustness Metrics

```
{  
  "var": 0.2  
}
```

7. Combined Interpretation Summary

(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.