Explaining Deep Networks

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PART II - PRACTICE

Task 1







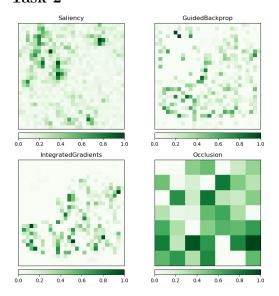


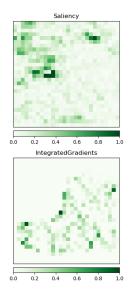


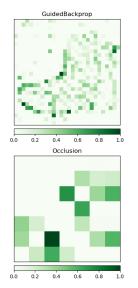


- expected saliency map to focus more in edges for most likely classification, since training a convolutional network
- for t-shirt can observe that saliency has attention on the area around the short sleeves when comparing to normal shirt

Task 2







- $\bullet\,$ left side attacked, right side original
- GuidedBackprop and IntegratedGradients after attack show more noise around the edges
- saliency map gets less focussed on certain areas compared to original
- \bullet occlusion shows the biggest shift \to more distribution across whole image