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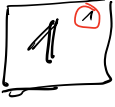Valentino Arole (master)

HANDS-ON EXERCISE

○ Python ✓
○ Github ✓
○ Google Colab ✓
○ CNN's basics ✓

→ MNIST database

→ GRADCAM + CNN

deep FEATURES → Saliency maps
→ Low-dimensional projection (t-SNE...)

Effect of :

⊖ smoothing filter (Gaussian)

⊖ Noise (Gaussian)

⊖ Pattern in background associated
with image class (number)

MEASURE : Overlap heatmap interpretability (gradcam
and object ground truth

Ground truth   Gradcam   overlap object &
heatmap