Sikha O.K (Faculty)

Remya Ramesh (PhD)

Lavanya Thirumal (Faculty)

Yashwanthika R (PhD, computervision)

Akash Guna R.T (undergraduate student)

Benjamin Hosun (master)

Raul Benitez (faculty)

Valentino Arole (master)

HANDS-ON EXERCISE

→ MNIST database

→ GRADCAM + CNN

→ deep FEATURES → Saliency maps

Low-dimensional projection (t-SNE...)

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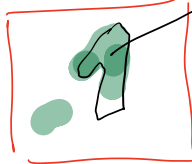- Github ✓
- Google Colab ✓
- CNN's basics ✓

Effect of :

- ⊖ smoothing filter (Median (Gaussian)) → Yashwanthika

- ⊖ Noise (Salt'n pepper (Gaussian)) → Akash Valentino → Benjamin Remya

- ⊖ Pattern in background associated with image class (number) [1]

MEASURE : Overlap heatmap interpretability (gradcam) and object ground truth

Ground truth   Gradcam   overlap object & heatmap