

# MNIST

Class

Digit 0

Digit 5

Digit 0



## Sensitivity Analysis

ConvDeep



Conv<sup>+</sup>Deep



## Guided Backprop

ConvDeep



Conv<sup>+</sup>Deep



## Deep Taylor Decomposition

ConvDeep



Conv<sup>+</sup>Deep

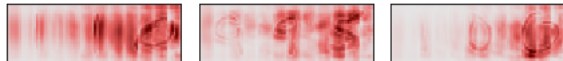


LRP- $\alpha_{1.5}\beta_{0.5}$

ConvDeep



Conv<sup>+</sup>Deep



$R_i \ll 0$

$R_i \gg 0$