

## MNIST-MAJ

## FashionMNIST-MAJ

Class

Digit 1

Digit 9

Digit 0

Sandal

Sneaker

Sandal



### Sensitivity Analysis

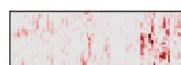
ConvDeep



Conv<sup>+</sup>Deep



ConvR-LSTM-SD



Conv<sup>+</sup>R-LSTM-SD

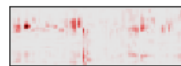
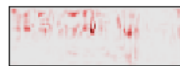
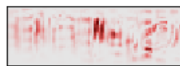


### Guided Backprop

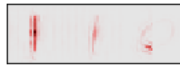
ConvDeep



Conv<sup>+</sup>Deep



ConvR-LSTM-SD

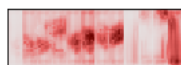
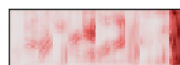
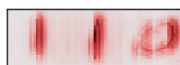


Conv<sup>+</sup>R-LSTM-SD

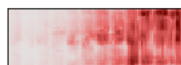
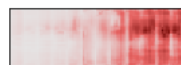
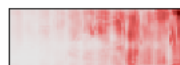
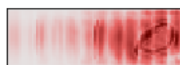


### Deep Taylor Decomposition

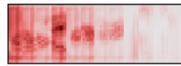
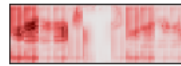
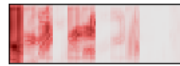
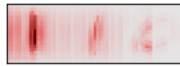
ConvDeep



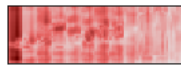
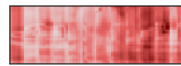
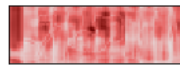
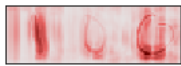
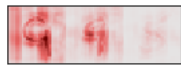
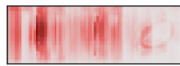
Conv<sup>+</sup>Deep



ConvR-LSTM-SD

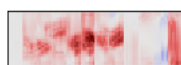
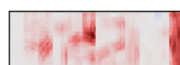
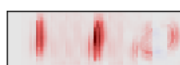


Conv<sup>+</sup>R-LSTM-SD

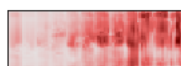
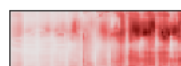
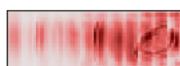


LRP- $\alpha_{1.5}\beta_{0.5}$

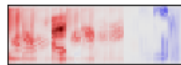
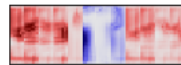
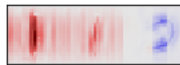
ConvDeep



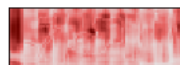
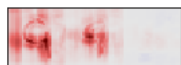
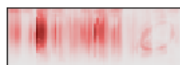
Conv<sup>+</sup>Deep



ConvR-LSTM-SD



Conv<sup>+</sup>R-LSTM-SD



$R_p \ll 0$

$R_p \gg 0$