

# MNIST-MAJ

# FashionMNIST-MAJ

Class

Digit 1

Digit 9

Digit 0

Sandal

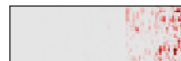
Sneaker

Sandal



## Sensitivity Analysis

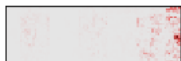
ConvDeep



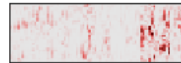
Conv<sup>+</sup>Deep



R-LSTM-SD



ConvR-LSTM-SD



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

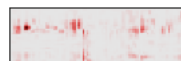
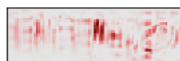


## Guided Backprop

ConvDeep



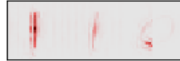
Conv<sup>+</sup>Deep



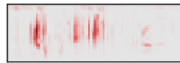
R-LSTM-SD



ConvR-LSTM-SD

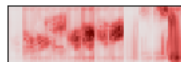
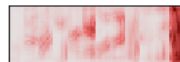
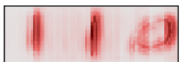


Conv<sup>+</sup>R-LSTM-SD



## Deep Taylor Decomposition

ConvDeep



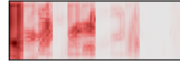
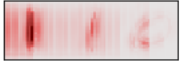
Conv<sup>+</sup>Deep



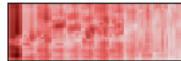
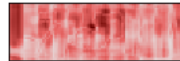
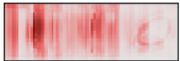
R-LSTM-SD



ConvR-LSTM-SD

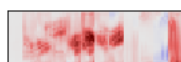
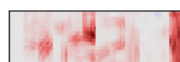
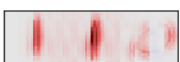


Conv<sup>+</sup>R-LSTM-SD

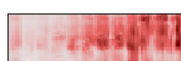
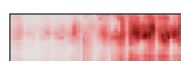
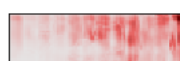
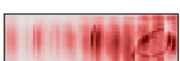


## LRP- $\alpha_{1.5}\beta_{0.5}$

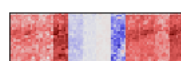
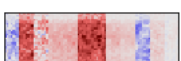
ConvDeep



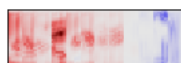
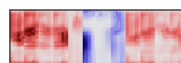
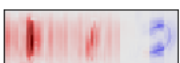
Conv<sup>+</sup>Deep



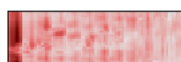
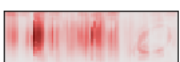
R-LSTM-SD



ConvR-LSTM-SD



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



$R_p \ll 0$

$R_p \gg 0$