Precision - Recall

Definitions

- **Precision:** Equivalent to Purity in HEP

  - *Of all the events that the model predicted to be in a certain class, what fraction were actually in that class?*

- **Recall:** Equivalent to Efficiency in HEP

  - *Of all the events that were actually in a certain class, what fraction did the model correctly identify?*

$$\text{Precision} = \frac{TP}{TP + FP}$$

$$\text{Recall} = \frac{TP}{TP + FN}$$

No Pre-training NN