

## Benchmark Inputs

Model

Dataset  
Dataloader

Processors  
Accumulators

Desired metrics

## Benchmark Harness

NeuroBenchModel  
Wrapper

### Benchmark Runtime

Initialize metric  
calculations

Load data

Apply pre-processing

Model inference

Apply  
post-processing

Calculate static  
metrics

Calculate workload  
metrics

## Benchmark Results

Static metrics:

- Footprint
- Connection sparsity

Workload metrics:

- Correctness
- Activation sparsity
- Synaptic operations

Legend:  User-defined  User-customizable  Benchmark-defined