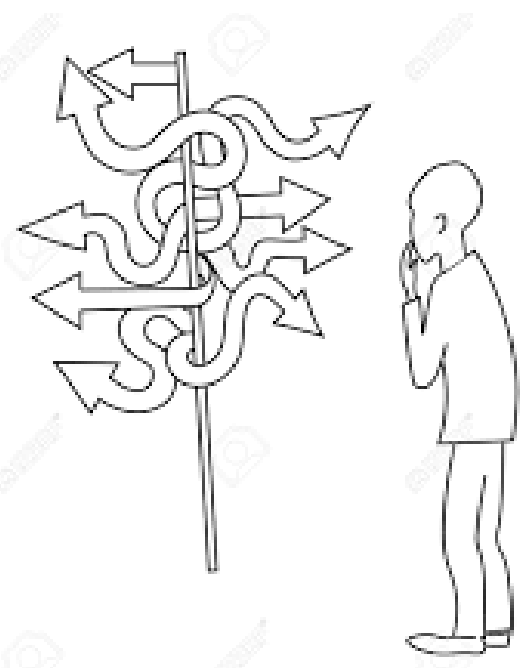




Neural News Recommendation Lacks Reproducibility & Fair Evaluation

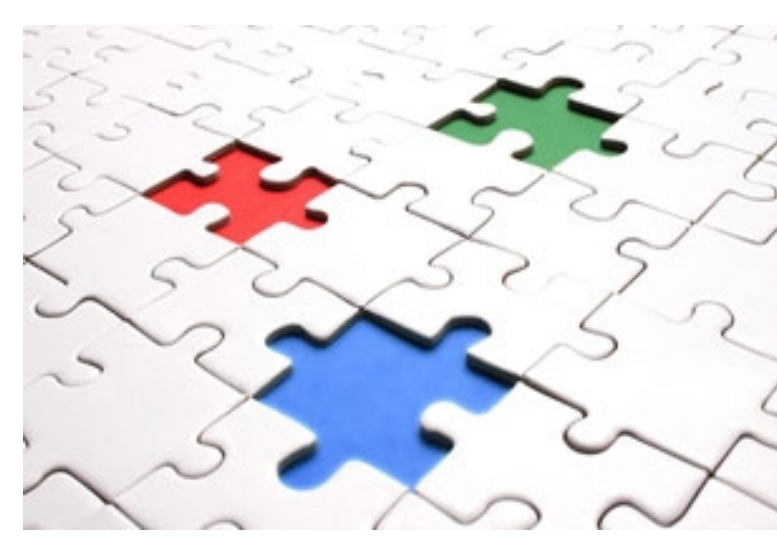
Many factors hinder reproducibility & extensibility



Often code N/A or hard to use



Various libraries & implementation differences



Missing hyperparameter details

Many factors inhibit fair model comparisons



Usage of proprietary datasets

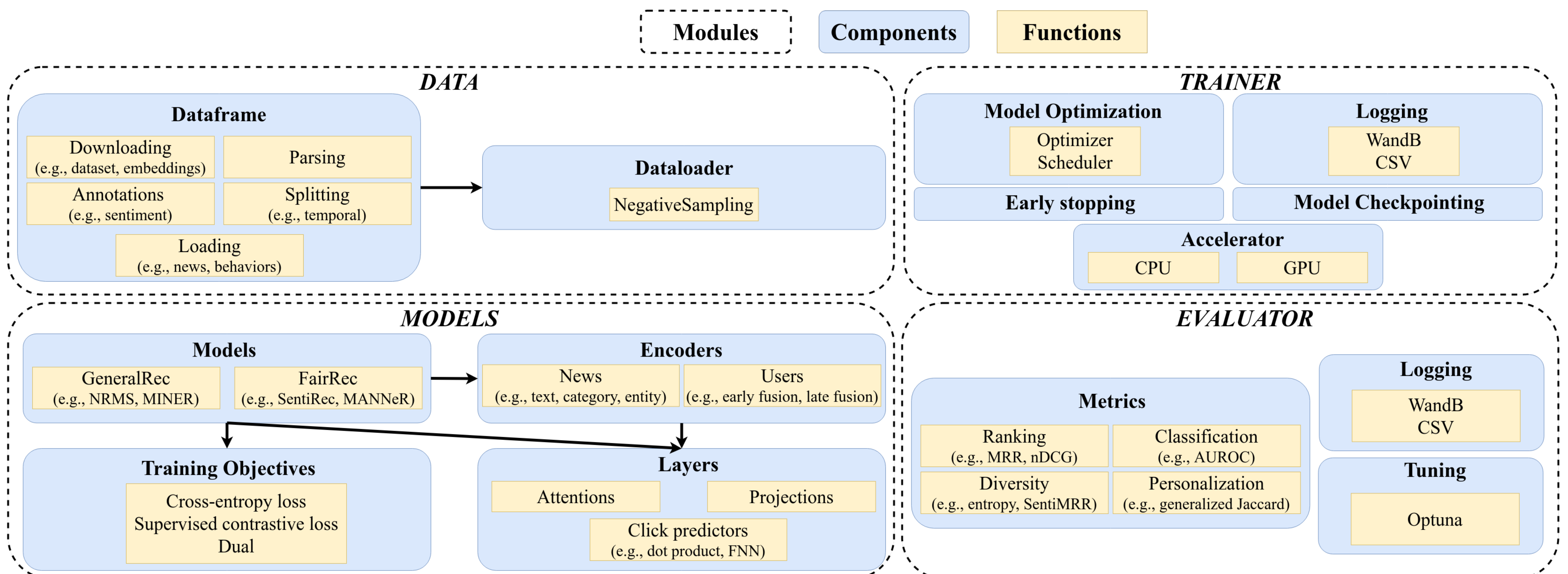


Lack of transparency in experiments



Ad-hoc evaluation protocols

NewsRecLib: Reproducible Research & Rigorous Experimental Evaluation



Modularity & Extensibility



- Decoupled core components
- Class extension or new Lightning module definition for new features

Configurability & Reproducibility



- Dedicated configuration file per module
- Experiments: dynamically create hierarchical configurations by composition

Logging & Profiling



- Comprehensive & transparent logging
- Model evaluation with TorchMetrics
- Any profiler from PyTorch

Easy Benchmarking from Command Line

Access pipeline with simple CLI commands

```
python train.py experiment=nrms_mind_small model=nrms data=mind dataset_size=small
```

Experiments on MINDsmall

