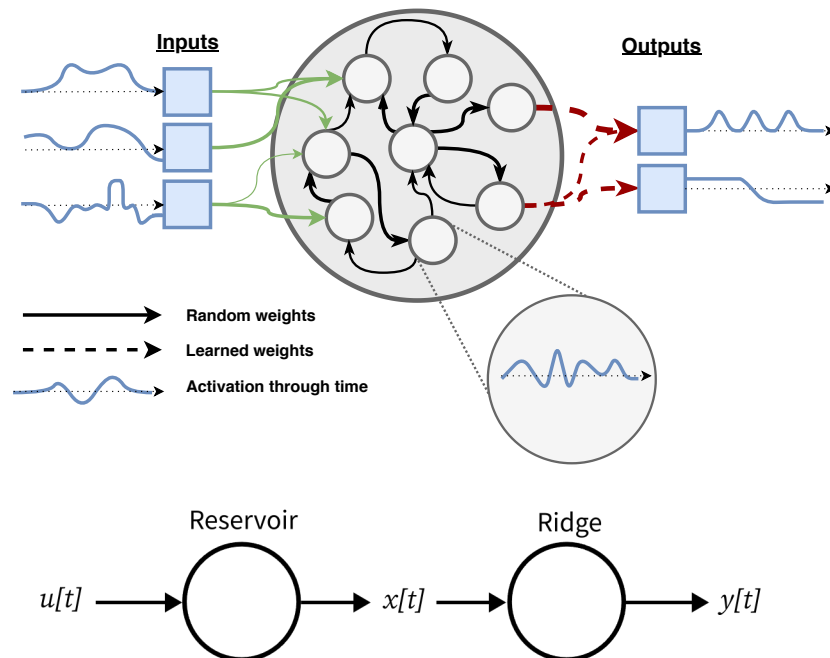


Efficient Training of Recurrent Neural Networks for Timeseries Processing

Xavier Hinaut, Nathan Trouvain | Inria Bordeaux, FR

Reservoir Computing



Based on **Python standard scientific stack**.

Everything is a **recurrent network**, everything is a **timeseries**.

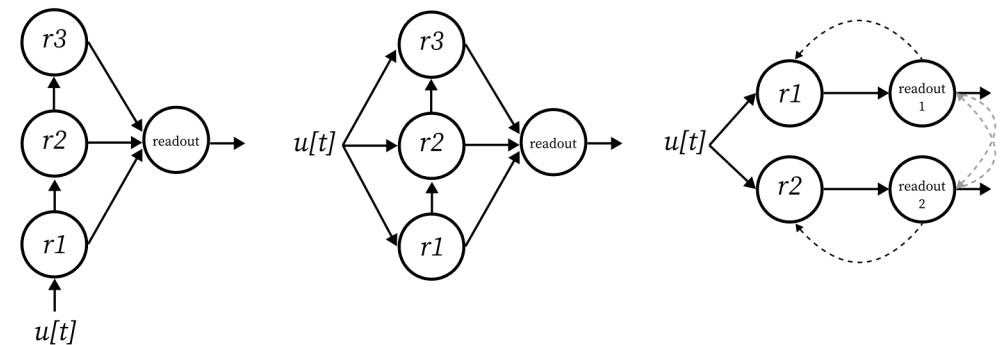
Create **complex models** with **simple building blocks**.

Online / Offline learning.

Reach **high computational efficiency** (parallel computing, ...)

Related projects (including R interface) on Github.

Includes **tests, documentation, tutorials**, paper replication, ...



```

1 from reservoirpy.nodes import Reservoir, Ridge
2 reservoir = Reservoir(100)
3 readout = Ridge(ridge=1e-5)
4 esn = reservoir >> readout
    
```

License: **MIT**

readthedocs / pypi available

GitHub: <https://github.com/reservoirpy/reservoirpy>