**Time series forecasting using deep learning**

(Pytorch-forecasting python library models)

* Pytorch-forecasting library is a high-level API with maximum flexibility (for professionals) and also reasonable defaults (for beginners) to train state of the art neural networks on Pandas data frames.
* Pytorch-Lightning support is used in this library for scalable training of networks on multiple GPUs, CPUs etc.
* Available models in the library:
  1. Temporal fusion transformers for interpretable Multi-horizon time series forecasting
  2. N-BEATS: Neural basis expansion analysis for interpretable time series forecasting
  3. DeepAR: Probablistic forecasting with autoregressive recurrent networks
  4. Simple networks like LSTM and GRU
  5. Baseline model that just predicts the latest value

**Temporal fusion transformer: (results)**

Chart, histogram

Description automatically generated