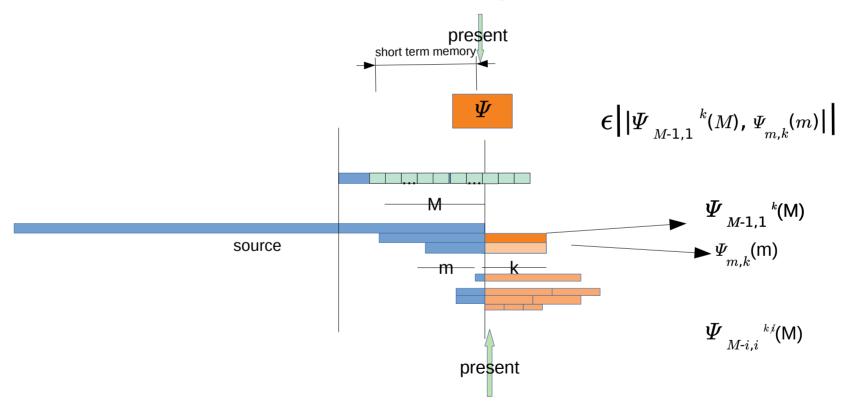
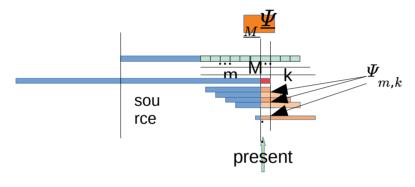
# Project 1 Dreaming



## Project 2 Convolutional M-1Predictor

Predict 1 symbol by means of a panel of  $\Psi_{m,k}$  predictors for k=1..M-1



 $\Psi_{M ext{-}1,1} \ \Psi_{M ext{-}2,2}$ 

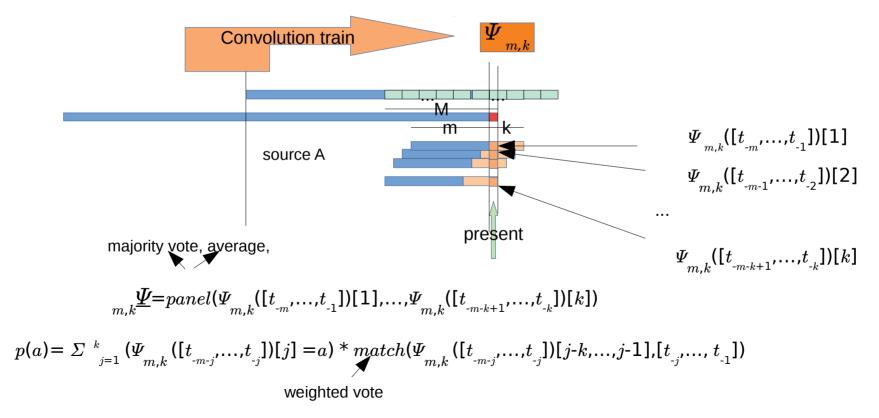
 $\Psi_{1,M-1}$ 

```
panel\{\Psi_{m,k}: k=1,...,M-1, m=M-k\}
Statistics over several datasets
PI
Lozi alpha,beta
Stock Market titles
...
natural language text
natural language sound
```

#### Project 3

### $\underbrace{Convolutional}_{\text{Given any }\Psi_{m,k}} \underbrace{\text{predictor trained on the convolutional}}_{\text{Sof the sequence we}} \underbrace{\text{Predictor trained on the convolutional}}_{\text{Sof the sequence we}}$

can construct the convolutional predicted probabilities for the immediate future of the sequence  $\Psi_{m,k} = p(A) = [p(a_1), ..., p(a_n)]$ future of the sequence



#### Statistics Report

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Statistics over several datasets
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