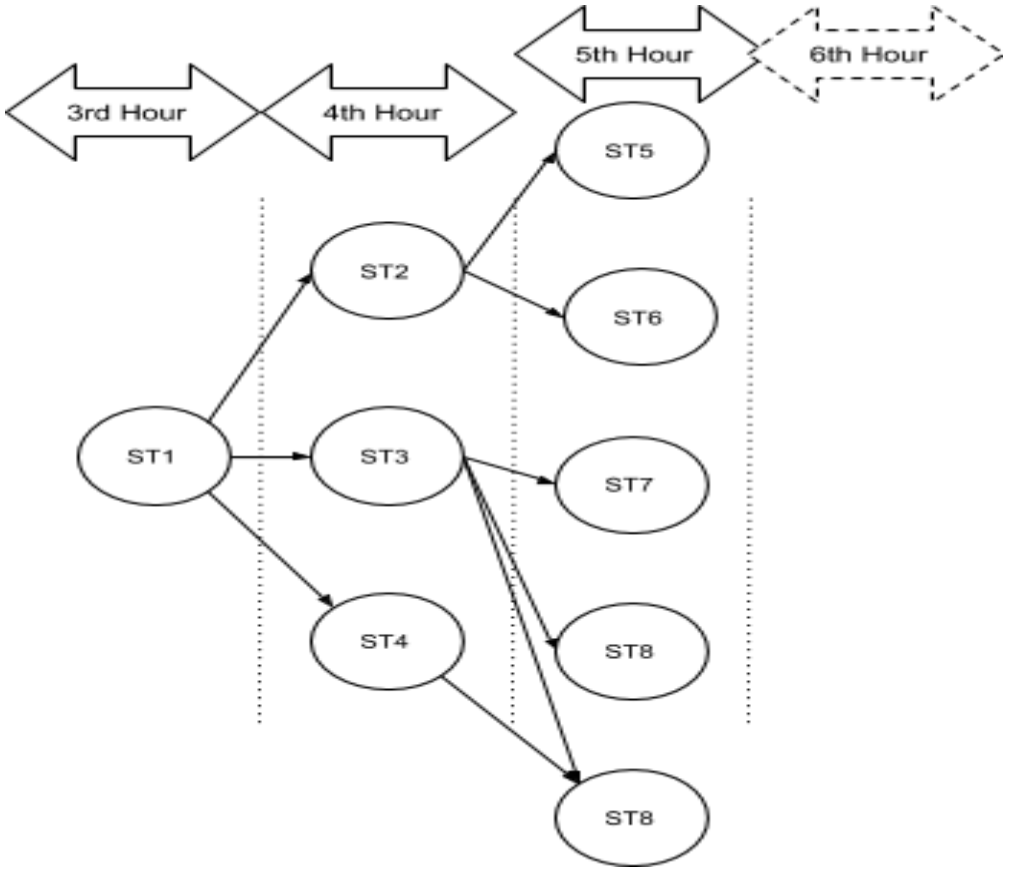
Discussion on 07.08.2018

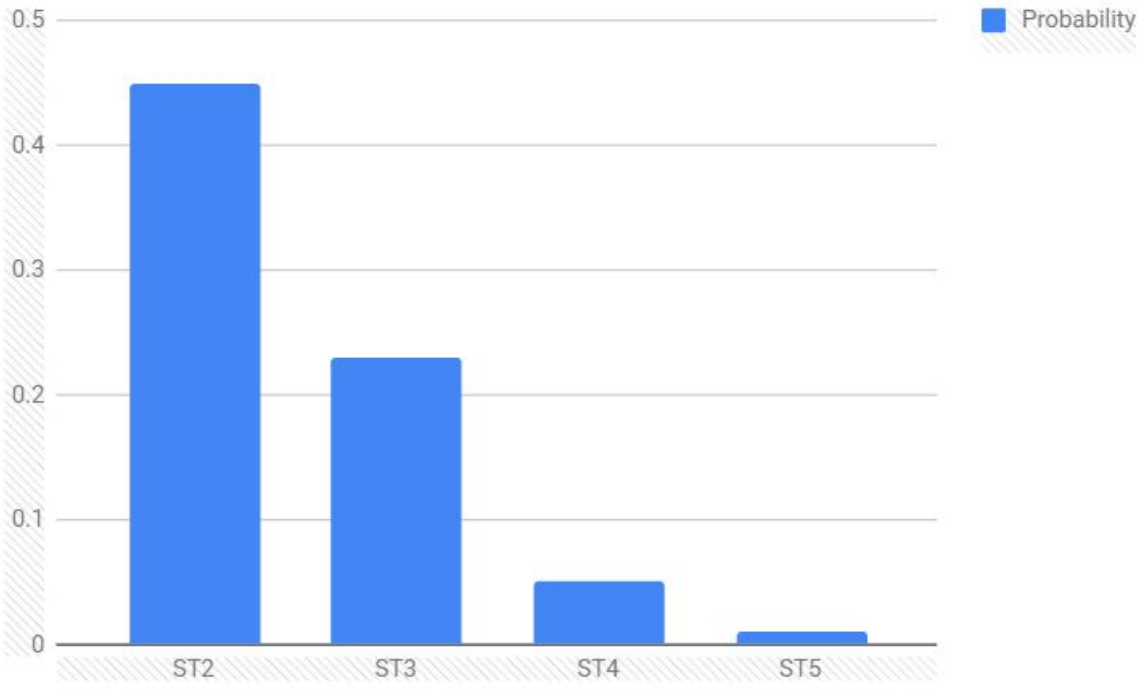
1. How to represent data on application.
   Example:
   Current hour is 3:
   Prediction for all consecutive hours as shown:



   Prediction from t to t+1 = $T_t * T_{t+1}$
   Where T is the transition matrix.
   <u>Problem:</u>
   The problem here this, this tree structure can grow very large.
   <u>Solution:</u>
   We can pick-up the top predictions and calculate the entropy for these selected predictions. If the entropy is very high (greater than a threshold), then we assume the prediction is bad and we stop the tree branch from here.

Example: From ST1 following are the predictions:

Prediction	Probability
ST2	0.45
ST3	0.23
ST4	0.05
ST5	0.015



If we select top 3 predictions we have ST2, ST3, ST4.

Now calculate entropy: 1.22
If threshold is 1.3 (Since log(3)/log(2) = 1.58).

Since 1.22 <= 1.3 -> We continue this branch tree. And so on..