**1.6 Time-series in healthcare: challenges and solutions**

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**HMM**

Rabiner et al., 1989: <https://web.ece.ucsb.edu/Faculty/Rabiner/ece259/Reprints/tutorial%20on%20hmm%20and%20applications.pdf>

= Still Markovian models: ordering of events matter

- Need to go beyond Markovian models

- Incorporate history

- Deep Learning methods

**Deep Learning**

* KDD Tutorial: <https://lovvge.github.io/Forecasting-Tutorial-KDD-2019/>
* Olah: <https://colah.github.io/posts/2015-08-Understanding-LSTMs/>
* Rasmussen & Williams: <http://gaussianprocess.org/gpml/chapters/RW.pdf>
* Mattos & Tobar: <https://neurips.cc/virtual/2021/tutorial/21890>
* Kolter: <http://implicit-layers-tutorial.org/>

**Dynamic Deep-Hit**

<https://ieeexplore.ieee.org/document/8681104>

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