Sequence Prediction based on LSTM

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***Abstract*—The abstract goes here.**

***Index Terms*—IEEE, IEEEtran, journal, LATEX, paper, template.**

I. Prompt (Delete before final submission)

DISCUSS ONE DL method by group assigned by the instructor during the class. Submit working code and method discussion report in a LATEX format. I wish you the best of success.

- Method: LSTM
- Paper: Analysis of DNA Sequence Classification Using CNN and Hybrid Models
- Project: LSTM for time series forecasting
- Useful Resource: https://machinelearningmastery.com/how-todevelop-lstm-models-for-time-series-forecasting/
- Data: Paper: De Novo Protein Sequencing by Combining Top-Down and Bottom-Up Tandem Mass Spectra

mds
August 26, 2015

II. Notes (Delete before final submission)

"LSTM is widely used because the architecture overcomes the vanishing and exposing gradient problem that plagues all recurrent neural networks, allowing very large and very deep networks to be created."

A. Subsection Heading Here

Subsection text here.

1) Subsubsection Heading Here: Subsubsection text here.

III. Conclusion

The conclusion goes here.

Appendix A
Proof of the First Zonklar Equation

Appendix one text goes here.

Appendix B

Appendix two text goes here.

Acknowledgment

The authors would like to thank...

References

[1] H. Kopka and P. W. Daly, *A Guide to LATEX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

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Manuscript received DATE HERE; revised DATE HERE.

PLACE PHOTO HERE

Michael Shell Biography text here.

John Doe Biography text here.

Jane Doe Biography text here.