AMAZING THESIS ...

A thesis submitted to attain the degree of
Master of Science at University of Neverland

M. Sc. SCIENCE!!

Author:
Your Name

Supervisor:
Their Name

June, 2019

Dedication...

Contents

Abstract

Fancy abstract goes here. Fancy abstract goes here.

1 | Introduction

Clear hypothesis statement

Rigorous methodology

Error analysis - relation to hypothesis

Motivation

Sell the reader

Plan for the rest of the paper

Figure by reference

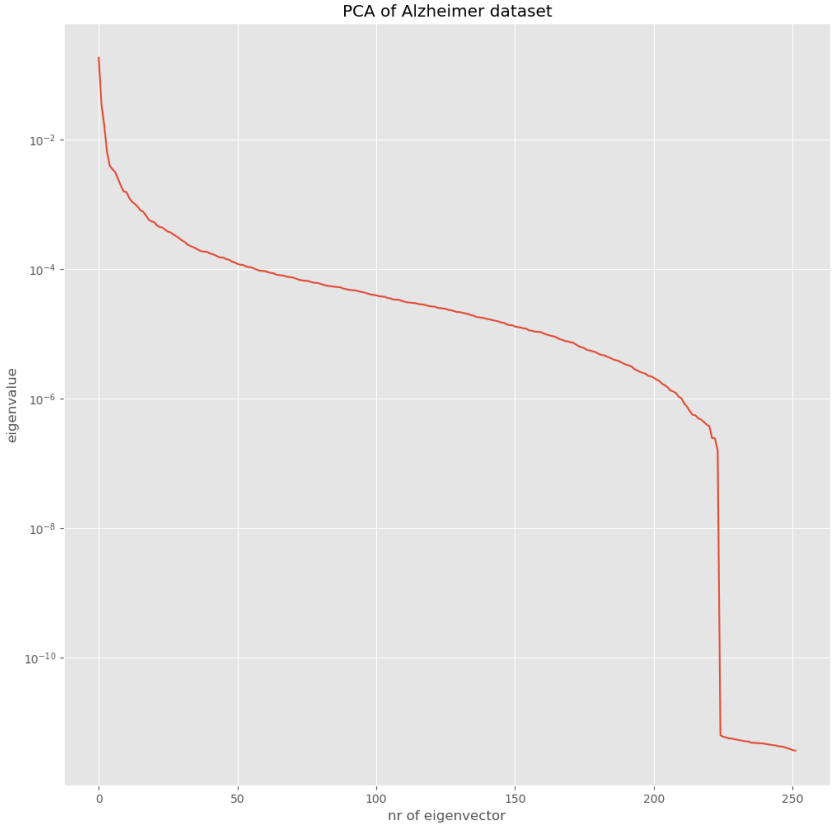

Figure 1.1: Eigenspectrum

In figure fig. 1.1 we can see the plot of the eigenspectrum.

Example of footnotes

His ut eirmod fabellas vituperatoribus. An libris ridens volutpat has, per omnium deterruisset ex. Utamur veritus sea id. Dico viris ex quo, per possim virtute iuvaret cu, eos corpora ancillae reformidans ea. Cum instructior consectetuer conclusionemque ea, pri at tollit labitur. Cum aliquam oportere mnesarchum at, aliquid delenit has ne, salutatus persequeris in ius.[1]

Citations

Cite this paper [1], or that paper [2]

Bibliography should be coming up. Check out bib.bib

[1] And here's the footnote.

2 | State of the Art

related work

best work

pros and cons of these systems. constructive

how does it contribute to yours?

Section

An alii possim vix. Pri populo inermis consetetur eu. Duo alterum efficiantur an, antiopam expetenda dissentiunt te pro. Idque phaedrum mei te, cum dicta ridens accusam eu. Ex repudiare cotidieque eos, mel facete delenit eu. Te minim soluta adversarium eum, id ridens possit mentitum vim, nec expetendis elaboraret eu.

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Section again

Math

$$P(L(h) \leq \hat{L}(h,S) + \sqrt{\frac{ln\frac{M}{\delta}}{2n}}) \geq 1 - \delta$$

Table

His ut eirmod fabellas vituperatoribus. An libris ridens volutpat has, per omnium deterruisset ex. Utamur veritus sea id. Dico viris ex quo, per possim virtute iuvaret cu, eos corpora ancillae reformidans ea. Cum

instructior consectetuer conclusionemque ea, pri at tollit labitur. Cum aliquam oportere mnesarchum at, aliquid delenit has ne, salutatus persequeris in ius.

x	y	z	d
x_1	0	0	1
H_2		h_1	h_2

Math formula by reference

We have the definition of VC dimension as:

$$d_{VC}(H) = max\{N : m_H(N) = 2^N\} \tag{2.1}$$

we already have eq. 2.1, $\implies \Sigma = 3$. # Definition of the task

What you accomplish

What is the input and output

3 | Dataset

Description

Where did you get the data from

Stats

encoding

4 | Methods & Architecture

which methods

theoretical background

justification

lstm

sequence structure

attention

5 | Experimental design

process

completely reproducible

6 | Results

tables

quantitative and qualitative

7 | Discussion

Analyze results in prev section

hypothesis testing, t-tests

8 | Conclusion

References

[1] D. Müllensiefen and M. Pendzich, "Court decisions on music plagiarism and the predictive value of similarity algorithms," *Musicae Scientiae*, vol. 13, no. 1, pp. 257–295, Mar. 2009 [Online]. Available: http://journals.sagepub.com/doi/10.1177/102986490901300111. [Accessed: 20-Mar-2019]

[2] P. Roy, A. Papadopoulos, and F. Pachet, "Sampling variations of lead sheets," *arXiv:1703.00760 [cs]*, Mar. 2017 [Online]. Available: http://arxiv.org/abs/1703.00760. [Accessed: 12-Mar-2019]

[3] G. Brunner, Y. Wang, R. Wattenhofer, and J. Wiesendanger, "JamBot: Music theory aware chord based generation of polyphonic music with LSTMs," in *2017 IEEE 29th international conference on tools with artificial intelligence (ICTAI)*, 2017, pp. 519–526 [Online]. Available: https://ieeexplore.ieee.org/document/8371988/. [Accessed: 12-Mar-2019]

[4] L. Casini and M. Roccetti, "The impact of AI on the musical world: Will musicians be obsolete?" *Studi di estetica*, vol. 0, no. 12, Dec. 2018 [Online]. Available: http://mimesisedizioni.it/journals/index.php/studi-di-estetica/article/view/630. [Accessed: 12-Mar-2019]

[5] G. Brunner, A. Konrad, Y. Wang, and R. Wattenhofer, "MIDI-VAE: Modeling dynamics and instrumentation of music with applications to style transfer," *arXiv:1809.07600 [cs, eess, stat]*, Sep. 2018 [Online]. Available: http://arxiv.org/abs/1809.07600. [Accessed: 12-Mar-2019]

[6] I. Simon, A. Roberts, C. Raffel, J. Engel, C. Hawthorne, and D. Eck, "Learning a latent space of multitrack measures," Jun. 2018 [Online]. Available: https://arxiv.org/abs/1806.00195v1. [Accessed: 12-Mar-2019]

[7] J. Lee, S. Park, S. Jo, and C. D. Yoo, "Music plagiarism detection system," p. 3, 2011.

[8] L.-C. Yang and A. Lerch, "On the evaluation of generative models in music," *Neural Computing and Applications*, Nov. 2018 [Online]. Available: http://link.springer.com/10.1007/s00521-018-3849-7. [Accessed: 20-Mar-2019]

[9] S. Oore, I. Simon, S. Dieleman, D. Eck, and K. Simonyan, "This time with feeling: Learning expressive musical performance," *arXiv:1808.03715 [cs, eess]*, Aug. 2018 [Online]. Available: http://arxiv.org/abs/1808.03715. [Accessed: 20-Mar-2019]

[10] A. Roberts, J. Engel, C. Raffel, C. Hawthorne, and D. Eck, "A hierarchical latent vector model for learning long-term structure in music," *arXiv:1803.05428 [cs, eess, stat]*, Mar. 2018 [Online]. Available: http://arxiv.org/abs/1803.05428. [Accessed: 20-Mar-2019]

[11] H. H. Mao, T. Shin, and G. W. Cottrell, "DeepJ: Style-specific music generation," *2018 IEEE 12th International Conference on Semantic Computing (ICSC)*, pp. 377–382, Jan. 2018 [Online]. Available:

http://arxiv.org/abs/1801.00887. [Accessed: 20-Mar-2019]

[12] C.-Z. A. Huang *et al.*, "Music transformer," *arXiv:1809.04281 [cs, eess, stat]*, Sep. 2018 [Online]. Available: http://arxiv.org/abs/1809.04281. [Accessed: 20-Mar-2019]

[13] J.-P. Briot and F. Pachet, "Music generation by deep learning - challenges and directions," *Neural Computing and Applications*, Oct. 2018 [Online]. Available: http://arxiv.org/abs/1712.04371. [Accessed: 20-Mar-2019]

[14] G. Hadjeres and F. Nielsen, "Interactive music generation with positional constraints using anticipation-RNNs," *arXiv:1709.06404 [cs, stat]*, Sep. 2017 [Online]. Available: http://arxiv.org/abs/1709.06404. [Accessed: 20-Mar-2019]

[15] D. Eck and J. Schmidhuber, "A first look at music composition using LSTM recurrent neural networks," p. 11.

Appendix

Notice, it's unnumbered. Put your appendix stuff here.