Bifurcation and Chaos in the Logistic Map

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ABSTRACT

This is the abstract. The word limit is 250.

Keywords: keyword 1 (num) — keyword 2 (num) — keyword 3 (num)

1. INTRODUCTION

This is the intro section.

2. DATA

This is the data section.

Maybe add some lists/tables/whatever is needed.

3. INFORMATION ABOUT OBSERVATIONS

Write info about observations here.

3.1. Specific Topic Pt 1

topic 1

3.2. Specific Topic Pt 2

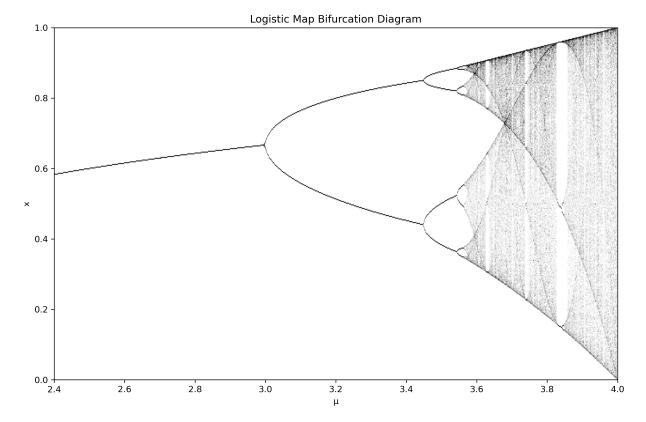


Figure 1. The logistic map bifurcation diagram for $2.4 \le \mu \le 4.0$. Stable fixed points exist for low values of μ , followed by successive period-doubling bifurcations that lead to chaotic behavior near $\mu \approx 3.57$.

3.3. Specific Topic Pt 3

topic 3

4. RESULTS

write about the results here.

5. SUMMARY AND CONCLUSION

Put the summary and conclusions here.

 $5.0.1.\ References$

This is me citing Boeing (2016) in-text. This is me citing Bubolo at the end of this sentence (Bubulo 2018).

LOGISTIC MAP 3

REFERENCES

Boeing, G. 2016, Systems, 4, 37,

doi: https://www.mdpi.com/2079-8954/4/4/37

Bubulo, M. 2018, The Dynamics of the Logistic Map and Difference Equations