

# Project Proposal: Replication of Childers et al. [2022]

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## **1 Introduction**

Briefly introduce the paper you are planning to replicate Childers et al. [2022].

## **2 Literature Review**

Discuss the existing literature related to your project.

## **3 Methodology Design**

Describe the methodology you plan to use for the replication.

## **4 Preliminary Results**

Discuss any preliminary results you have obtained.

## **5 Code Testing Plan**

Outline your plan for testing the code you will write for the project.

## **6 Conclusion**

Conclude your proposal.

## References

David Childers, Jesús Fernández-Villaverde, Jesse Perla, Christopher Rackauckas, and Peifan Wu. Differentiable State-Space Models and Hamiltonian Monte Carlo Estimation, October 2022.