

Sp-2023_Low_Collateral_BlockChain_Loans (v2)

Abstract

The aim of this project is to provide an accurate risk assessment of default for loans on Blockchain networks using solely past transactions of the user as a way to estimate.

Project objective

1. Estimate credit risk in BlockChain Loans.

Project overview

- 1. Review literature.
 - a. . Credit scoring systems in fiat currencies
- 2. Analyze the data and propose a model to asses the risk in Blockchain loans based on that data.
- 3. support your proposed model with statistics extracted from the BlockChain.
- 4. Write project report, final presentation and a poster for the project.

Project Milestones

- 1. 02.04.2023 CDR
 - a. Theoretical Review: Paper overview.
 - b. Demonstrate Ethereum data extraction and analysis on a small scale.
 - c. Workplan for the rest of the semester
 - i. Goals
 - ii. Schedule
- 2. 03.07.2023 Final Presentation
 - a. PowerPoint Presentation (In person)
 - b. Final Report Draft
 - c. Project Poster Draft
- 3. 20.07.2023
 - a. Final Report
 - b. Project Poster

Notes

1. The above list is an estimate. Goals and tasks may be modified during the first few weeks of the semester.



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2. General requirements for all LCCN Projects are specified at the lab website: <u>https://lccn.cs.technion.ac.il/lab-courses/</u>

Prerequisites:

- 1. Introduction to computer networks (236334) Mandatory
- 2. BlockChain course Advantage.

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References

[1]. Will be sent upon request from Tom