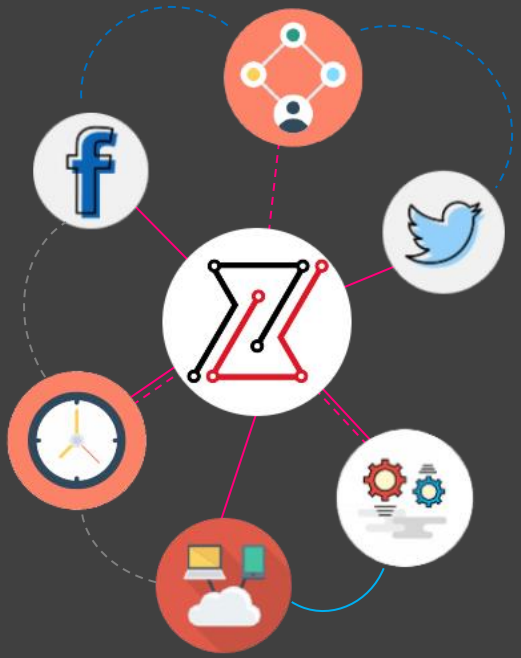
Queen Mary
University of London

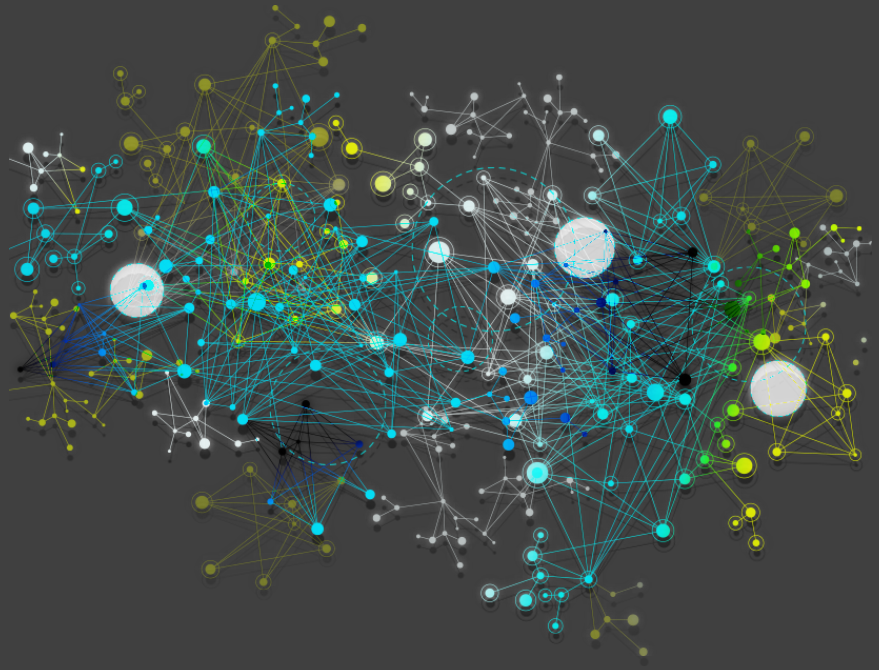
Raphtory

A practical system for the analysis of dynamic graphs



Investigated by Imane Hafnaoui, Benjamin Steer, Felix Cuadrado, Richard Clegg

Project Summary



Key Challenge

There is no widely-used analysis tool for use of dynamic graphs (compared to static graphs)

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Solutions (RAPHTORY)

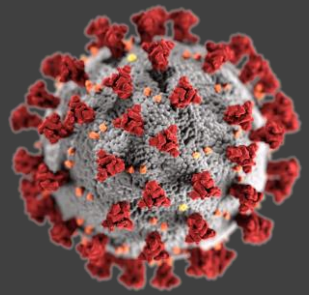
- Builds on an existing open-source project, enhancing its capability and usability for dynamic graph analysis.
- Development of data integrators with different sources, new algorithms for the analysis library

Interactions

Word Semantics
Track change of word meanings over time.

Urban Analytics
Analyse congestion, ride sharing links and transport patterns.

Cryptocurrency
Detect money laundering schemes with unsupervised approaches.



Health
Dynamic graphs may be used for exploration of epidemic effects

Contact information and useful links

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- GitHub: https://github.com/raphtory/raphtory
- Website: https://raphtory.github.io/

Chorograph is a spinoff company of the Raphtory project. Learn more here: https://chorograph.com/demo/

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