

MSc Computer Science

COMP702 Project Demonstration

Open-Source Temporal Networks Library

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Overview

Introduction

Demonstration

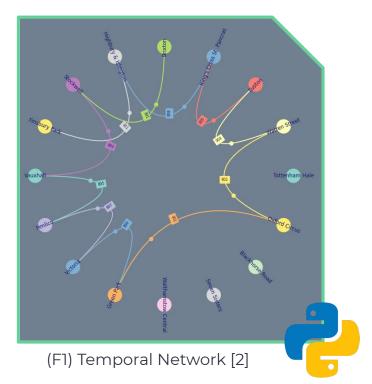


Introduction

Recap: Primary Goals

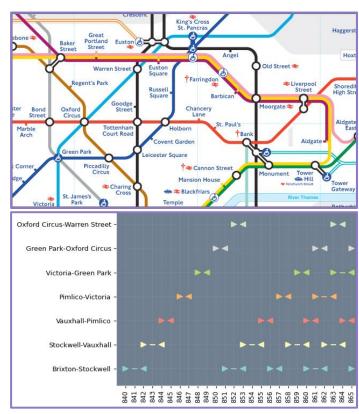
Open-source Temporal Networks Library written in Python.

- Network Components
- Inputs
- Generators
- Plotting
- Algorithms



Library Showcase: Transport for London

- Combine real-world system with library functionality.
- London Underground transport service serves Greater London with 280 stations & 11 lines.
- TFL offers a public REST API with 'open data' [3] under the Open Government Licence.



(F2) Underground Network[1]



Demonstration

< Live Demonstration >

Thanks!

	[1]
London <i>et al.</i> , 'Free London travel maps', <i>visitlondon.com</i> .	
https://www.visitlondon.com/traveller-information/getting-around-london/london-maps-and-guides/free-london-travel-maps (accessed	l Jul. 02,
2020).	
	[2]
'Python Release Python 3.7.7', <i>Python.org</i> . https://www.python.org/downloads/release/python-377/ (accessed Jul. 03, 2020).	[-]
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	[3]
'TfL Unified API'. https://api.tfl.gov.uk/swagger/ui/index.html#!/Journey/Journey_JourneyResults (accessed Aug. 20, 2020).	
	[4]
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