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Pedro Ramaciotti Morales release 0.1.11 with TCS ref and surprise redundancy deleted		3d15036 on 3 Feb 94 commits
datasets	Fixed Readme and figures	2 years ago
docs	Fixed Readme and figures	2 years ago
examples	time series example	2 years ago
hinpy	gitignore_global	11 months ago
tests	Added setup.py and minor corrections	2 years ago
.gitignore	Ignore vscode settings	2 years ago
LICENSE	Changed licence to apache 2 licence	2 years ago
README.md	release 0.1.11 with TCS ref and surprise redundancy deleted	8 months ago
requirements.txt	chore: Remove deprecated surprise dependency	8 months ago
setup.cfg	changes in preparation for pypi	2 years ago
setup.py	release 0.1.11 with TCS ref and surprise redundancy deleted	8 months ago

README.md



### HINPy: Heterogeneous Information Networks for Python

In short: HINPy is a python workbench for Heterogeneous Information Networks (graphs with colored nodes and edges) suited for the analysis of Recommender Systems (accuracy, diversity, similarity), and network representation in other domains (e.g, ecology, scientometrics, social network analysis).

HINPy is a framework that provides a flexible ontology to topological data (entities of different type connected/related by different relations), and allows for the extraction of metrical (similarities, distances), hilbertian (embedding in spaces with relative order), and bayesian (empirical distributions and apportionments) structures.

It also provides [experimental] functionalities to perform recommendations using classic Recommender Systems, and evaluate recommendations with classic diversity metrics.

Also experimental is the extraction of timeseries of apportionments and aggregations such as diversity measures.

Please cite us. Most definitions and computations are taken from:

*Ramaciotti Morales, P., Lamarche-Perrin, R., Fournier-S'Niehotta, R., Poulain, R., Tabourier, L. and Tarissan, F., 2021. Measuring Diversity in Heterogeneous Information Networks. Theoretical Computer Science.*

#### Installation

```
pip install hinpy
```

#### Quickstart

About

A framework for the analysis of recommender systems and the diversity of recommendations in Heterogeneous Information Networks

Readme

Apache-2.0 License

Releases 12


0.1.10 Latest on 1 Jul 2020

+ 11 releases


Packages

No packages published


Contributors 4


 pedroramaciotti

 Pedro Ramaciotti

 kaaloo

 Luis Arias

 ysig

 framaciotti

Languages

Python 100.0%