

SoBigData++: A Social Mining RI

Transnational and Virtual Access

Pan-European, Multidisciplinary Research Infrastructure

SoBigData++ is a distributed, Pan-European, multi-disciplinary research infrastructure for big social data analytics, coupled with the consolidation of a cross-disciplinary European research community, aimed at using social mining and big data to understand the complexity of our contemporary, globally-interconnected society.

SoBigData++ is an easy-to-access platform for execution of complex social mining processes. It is developing tools to operationalize ethics with value-sensitive design, incorporating values and norms for privacy protection, fairness, transparency and pluralism.

SoBigData in Numbers

IMPACT ON SCIENTIFIC COMMUNICATION	USERS COMMUNITY	PROJECT COMMUNITY
70+ JOURNAL PAPERS	6500+ VA USERS	100+ RESEARCHERS INCLUDING PHDS
100+ CONFERENCE PAPERS	60+ TA USERS	AVAILABLE RESOURCES
2 BOOK CHAPTERS	700+ TRAINEES	89 UNIQUE BIG DATASETS
1 MONOGRAPH	5000+ AUDIENCE	87 SOCIAL MINING METHODS & APP
120 PILOT PROJECT DEVELOPED WITH COMPANIES		1MLN PEAK ACCESS TO APPLICATIONS

Exploratories



Societal Debates and Online Misinformation. Investigation such as on the impact of Brexit on the scientific relationships between EU and UK.



Demography, Economics & Finance 2.0, for example studies of models will forecast the effects of policy choices on poverty and well-being and will reveal insights about their composite indicators



Sustainable Cities for Citizens. Studies of smart cities. E.g. text/opinion mining of online news to define reliable indicators of happiness and peace. Initial results indicate that the level of crime of a territory can be approximated by analyzing the news related to that territory



Migration Studies, including studies of macroscopic human flows, social behavior analysis.



Sport Data Science studies of indicators of training and performance predictors.



Social Impact of Artificial Intelligence and Explainable Machine Learning will include research on the impact of AI on future societies, e.g. withing labor workforce.



SoBigData++ provide access to the e-infrastructure with the following services:

Catalogue

All the resources (Datasets, Methods, Training Materials) are listed in the catalogue where the users are able to find the appropriate content using several filters. Each resource is equipped with metadata and may be accessed on-line or only on-site (see TNA)

Computational Engine

The e-infrastructure has a computational engine available for the users in order to let them run experiments with our methods on our servers. Several tools to define the analytical process are available.

HPC Portal

The Project give the possibility to find and have the contact point to access HPC resources over Europe to run experiments (Work in progress for SoBigData++)

Training

Training materials about ethics, data management, data analysis and how to use the e-infra are available on the portal

Transnational Access

- Supporting research visits to SoBigData host sites
- Short Term Scientific Missions - STSM
- Give researchers direct access to local expertise, technologies, and HPC infrastructure
- Access to non-public datasets
- Grow the SoBigData community with these early adopters
- Widen SoBigData infrastructure with new tools/data

How to Apply?

- TNA applications to open again in January 2021
 - <http://sobigdata.eu/content/open-call-sobigdata-funded-transnational-access>
- No deadlines for application (rolling call)
- Applications reviewed monthly
- Decision made within 2-3 months of application
- Visits will re-start hopefully from 1 April 2021

Results from Previous TNA (SoBigData)

- **Results Summary**

- Over 70 TNA visits supported
- Projects completed on diverse SoBigData topics
- Blog posts, publications, further collaborations, new datasets

Questions?

- **Do you want to visit? Email:**

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