

Machine Learning and Social Participation



Hello!

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We <3 technology and public policies!

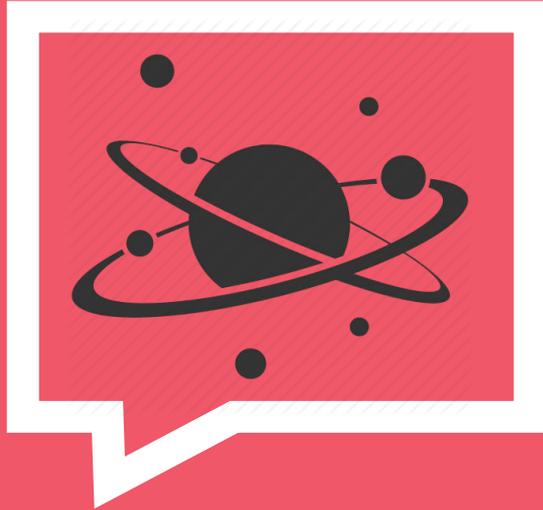
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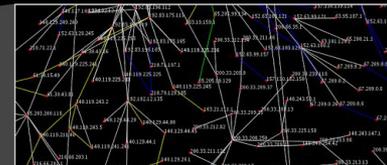


PARTICIPATION

Ideally.

Democracy depends on participation. **Direct** democracy relies on massive participation.

Modules
Platforms
algorithms



1.

Public consultations

Sharing the development of our guidelines: bills go to **public scrutiny**.

Open participation. Open collaboration.

Text: same structure, easier collaboration

- Bills are text
- Texts that share structure
 - Sections
 - Titles
 - Chapters etc

Output can be changed with the collaboration of many hands. Even when they don't write text. Even when they just like it.

Data from where?

Marco Civil

Principles and rights for Internet use. More than 2500 comments and suggestions.

(more details at <http://bit.ly/29Mb0iv>)

Ministry of Justice platform: <http://bit.ly/2h0l36q>

Data Privacy Bill

More than 1200 comments + articles in .pdf format -59 different countries

(more details at <http://bit.ly/2fLALCl>)



Índice

- CAPÍTULO I**
- DISPOSIÇÕES PRELIMINARES
- CAPÍTULO II**
- REQUISITOS PARA O TRATAMENTO DE DADOS PESSOAIS
 - Seção I
- Consentimento
 - Seção II - Dados Pessoais Sensíveis
 - Seção III - Término do Tratamento
- CAPÍTULO III**
- DIREITOS DO TITULAR
- CAPÍTULO IV**

Art. 4º Os tratamentos de dados pessoais para fins exclusivos de segurança pública, defesa, segurança do Estado, ou atividades de investigação e repressão de infrações penais, serão regidos por legislação específica, observados os princípios gerais de proteção e os direitos do titular previstos nesta Lei.

Parágrafo único. É vedado o tratamento dos dados a direito privado, salvo em procedimentos sob tutela de que serão objeto de informe específico ao órgão comp

Art. 5º Para os fins desta Lei, considera-se:

I - dado pessoal: dado relacionado à pessoa natural id partir de números identificativos, dados locais ou

II - tratamento: conjunto de ações referentes a coleta, utilização, acesso, reprodução, transmissão, distribuic

Comentários deste trecho

JCK
28 de janeiro de 2015 às 23:04
O tratamento de dados pessoais para tais fins deveria ser regido nesta própria lei. Não há motivo para direcionar tal tratamento para lei futura e de termos incertos quando está própria lei tem exatamente esta finalidade.

Marcelo Saldanha
29 de janeiro de 2015 às 08:41
Nada de jogar pra outra lei sobre dados pessoais de uso do Estado. sem fuga.

Margareth
29 de janeiro de 2015 às 18:54
Concordo com os colegas. Se o Brasil tem a intenção de seguir a tendência mundial em termos de regulamentação de dados pessoais, então esse anteprojeto deveria abarcar tudo. Solicitar a criação de uma lei específica para tratar exclusivamente do regime de tratamento de dados para fins

Actors involved



People collaborating

Everyone can contribute, using e-mail as identification. Tools have to prevent abuse.



Reorganizer

Responsible for reorganize, arrange, put new text into the older text - is the maintainer. Her job is to keep the bill coherent and accommodate suggestions and comments of the collaborators.



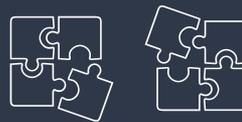
New text

The new text can be submitted. Everyone hopes that it's going to be a plausible text, embracing and cohesive.



Institutions

Big articles, academic papers, uploading excerpts in pdf. All these scenarios need to be possible and foreseen in the collaboration processes.



Algorithms

Platform to support the reorganization. It has to be transparent, open. The datasets have to present provenance information.



Interactive Interface

A "Dashboard", Interactive in a way that results can be edited. Here, one can see and simulate different situations.

```
~$ sudo apt-get  
install  
reorganizer
```

Reorganizer would
break down
contributions sent
through PDF into .txt

++

Elaborate a data
dictionary with key
units of analysis per
axes



Intimacy

Private life
Image
Dignity
Secrecy
Breach

```
~$ sudo apt-get  
purge reorganizer
```

The data gathered
on the platform, plus
the data generated
by the reorganizer
formed the input of
analysis for the web
expert team

Three products

A series of algorithms to work with text

An open platform with processes of deep learning to give insights about data.

Questions as: "how many times the answers was negative"
- we tried to answer with sentiment analysis, as an example.

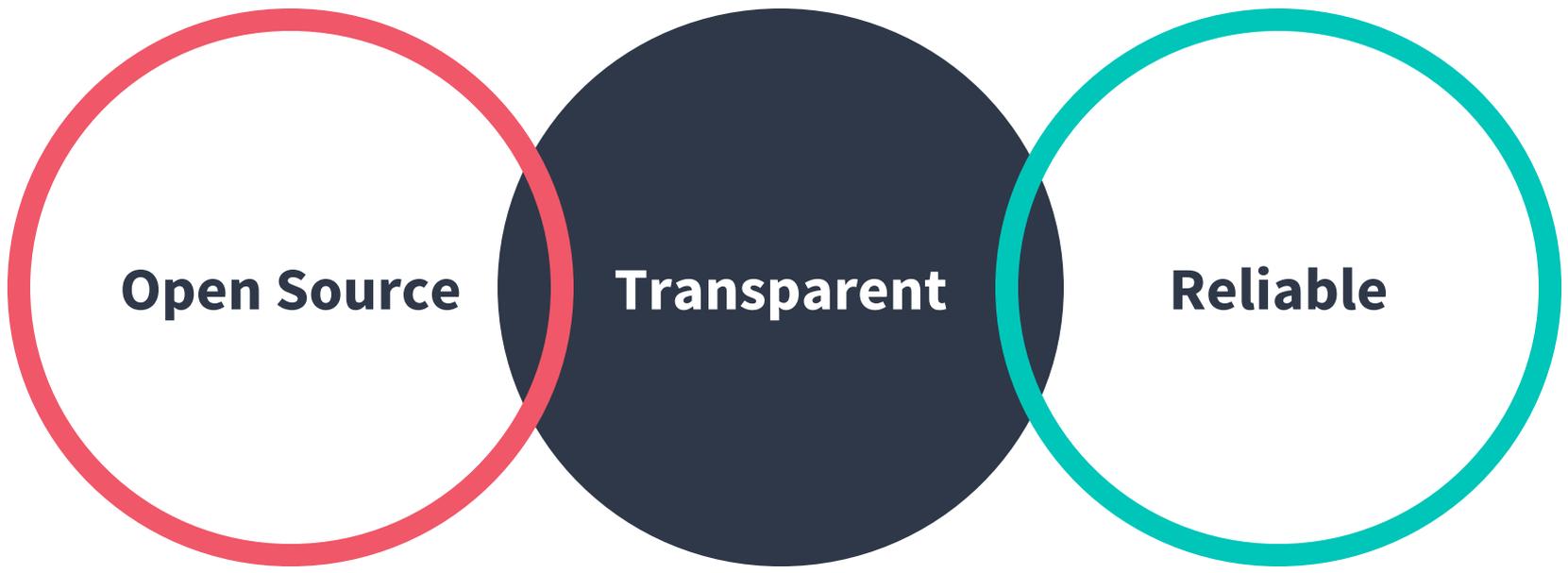
Dashboard

An interface so that people could analyse the output of the reorganizer and suggest new modifications based in data visualization.

Red

New rules to write laws: simpler, open and collaborative. Simplified language appears as key.

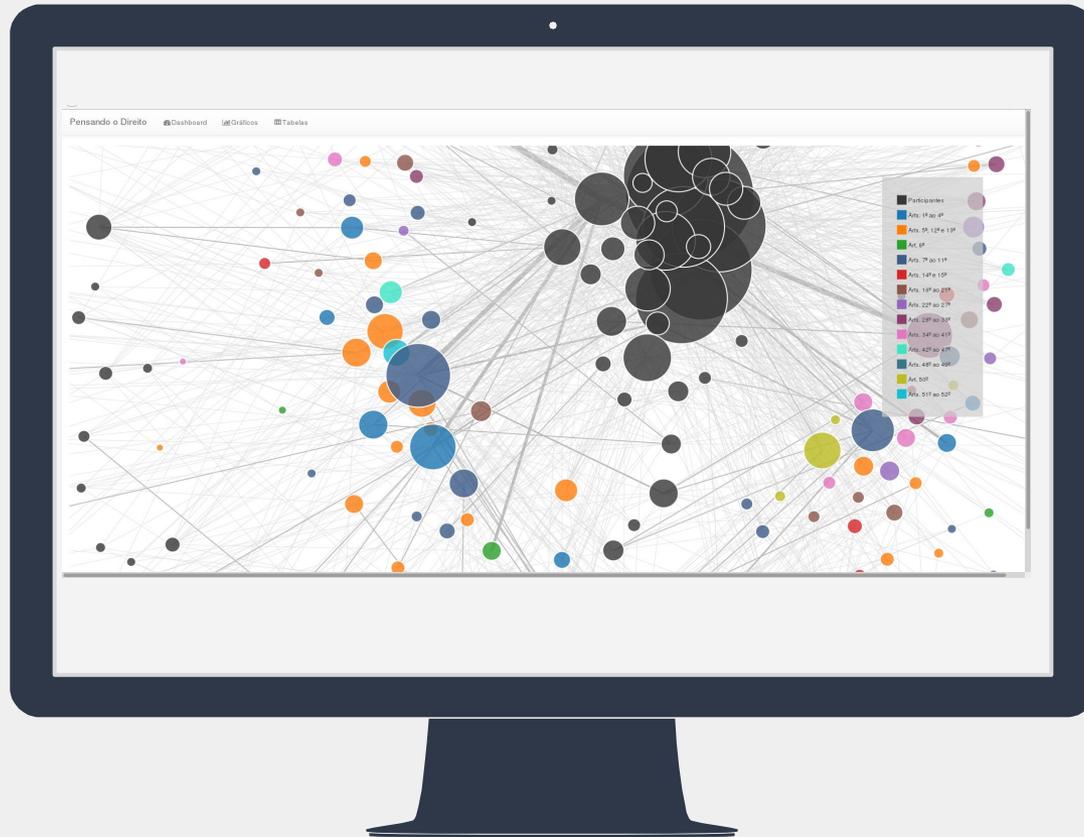
Main requirements



Open Source

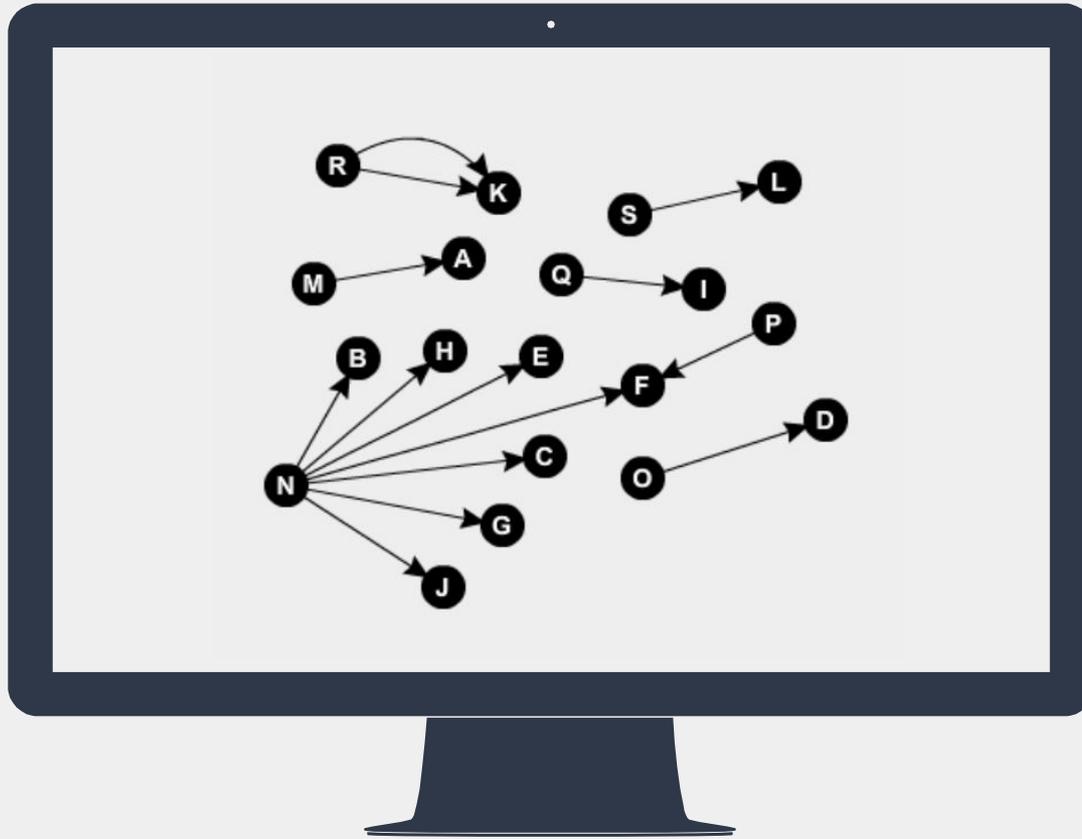
Transparent

Reliable



Dashboard

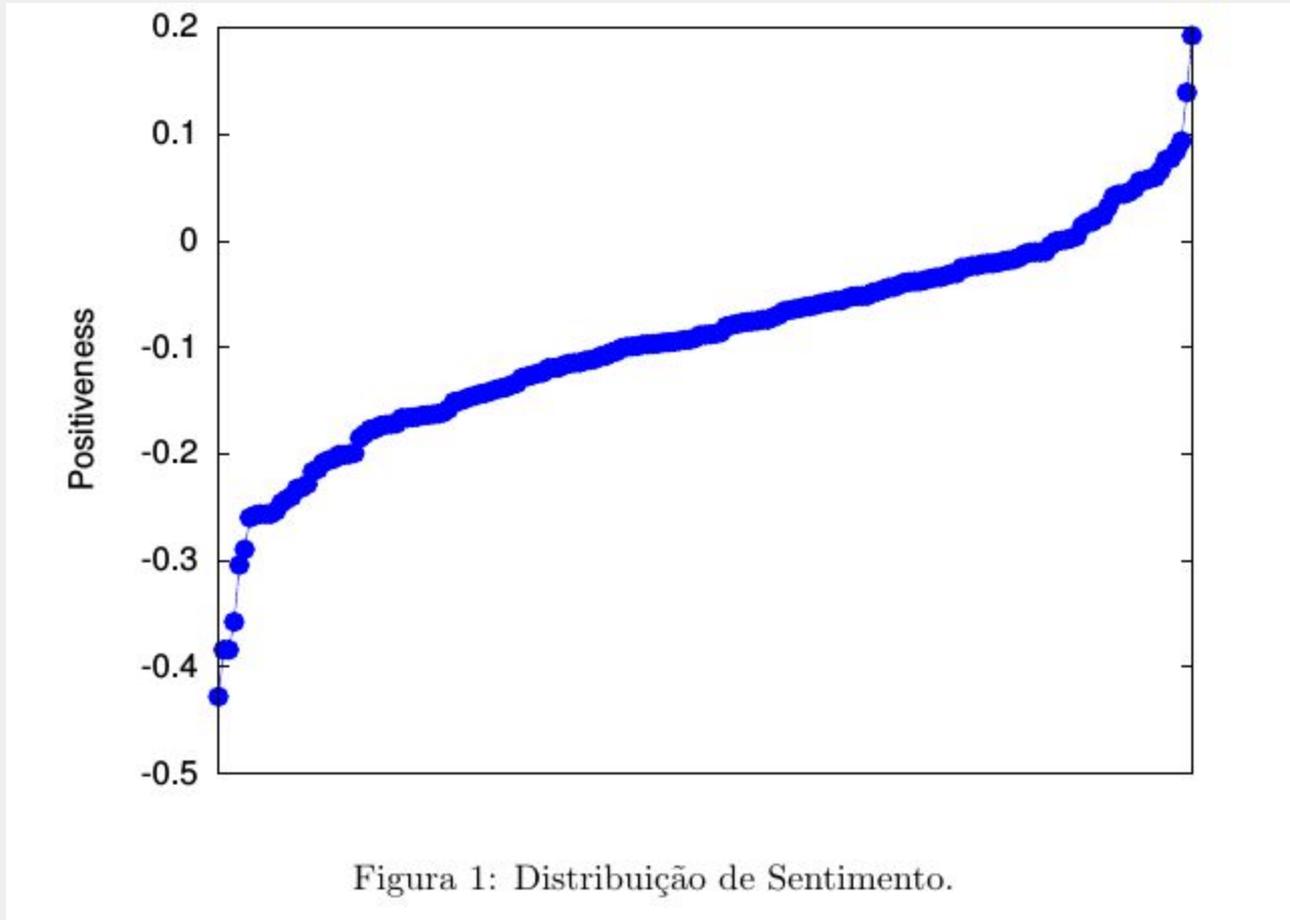
Graphics and datavis shows relationships that aren't noticeable if data isn't visually explained



Opinion-forming and Influence

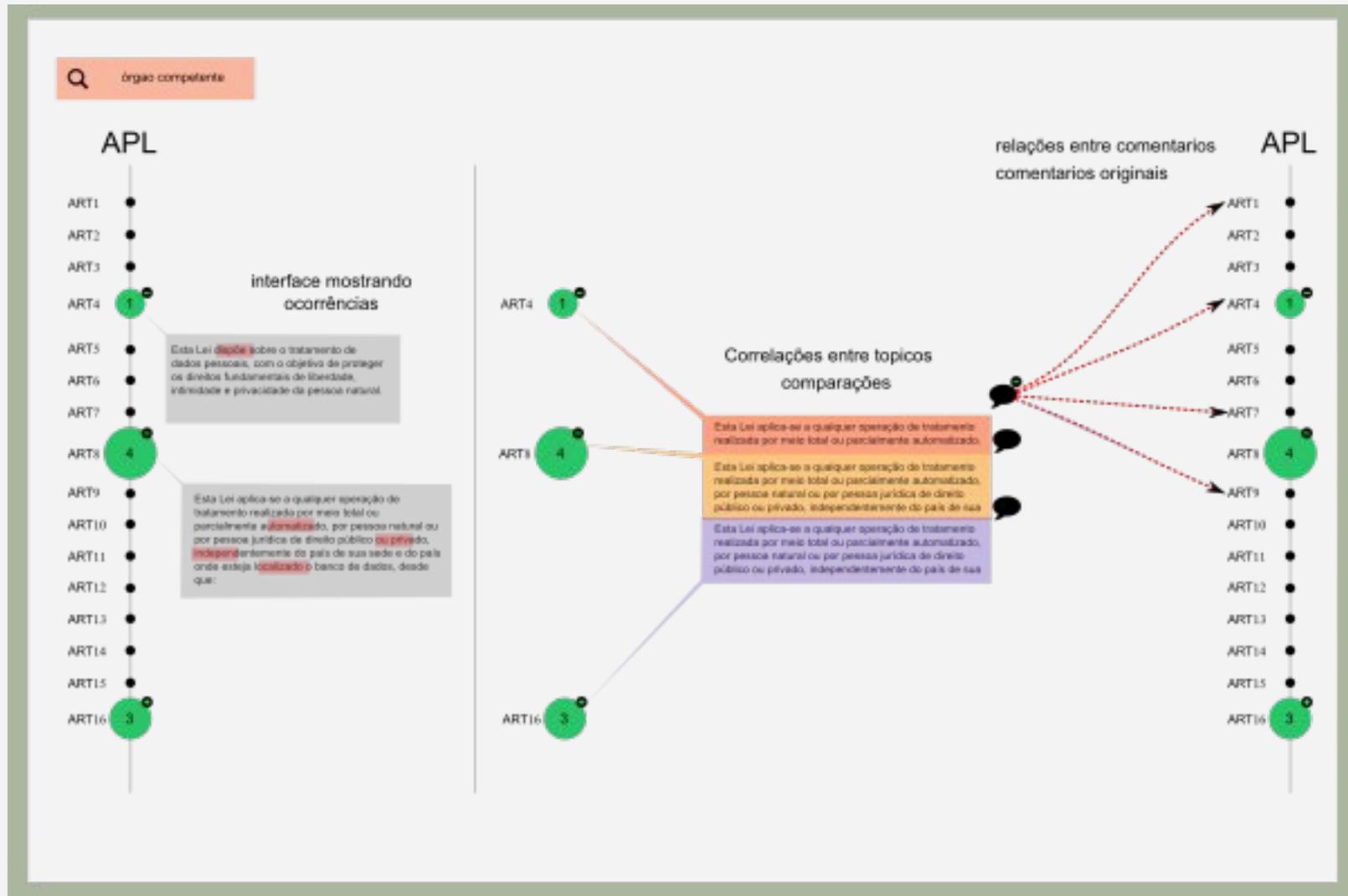
The “louder voices” and stakeholder engagement

Sentiment Analysis



Overall negative opinion about the items in consultation

Hope



What we need

BigData

Massive participation

Institutionalization

Instruments that use digital technology to improve participation need Laws and regulations

Code is at Github -

<https://github.com/W3CBrazil/AI-Social/tree/lemonade>

Thanks!

Any questions?