

MY PRIVACY AT RISK, IS IT SAFE?

Dr. Andreas Drakos Technical Project Manager





AGENDA

Is Privacy an issue?

Are people aware of their privacy risks?

How to inform people on their privacy risks?



THE PROBLEM...



A large majority of Europeans engage with Online Social Networks (OSNs)

- 74% of users consider that they **do not have sufficient control**
- 70% are concerned with the way such data are handled by
- ❖ Personal data sharing is a complex and pervasive process that is still not well understood;
- ❖ Native Mobile Applications acting as Data Silos;
- ❖ Data Processors vs Data Collectors
- Personal Data Fragmentation
- ❖ Upcoming EU General Data Protection Regulation harmonisation of EU's legal framework and improvement of users' control over their shared data



GENERAL DATA PROTECTION DIRECTIVE



Article 5 of the ePrivacy Directive

An app developer may use third party libraries with software that provides common functionalities, such as for example a library for a social gaming platform. The app developer must ensure users are aware of any data processing undertaken

To the extent that the app developer has outsourced some or all of the actual data processing to a third party and that third party assumes the role of a data processor then the app developer must comply with all obligations related to the use of a data processor. This would also include the use of a cloud computing provider (e.g. for external data storage).



GENERAL DATA PROTECTION DIRECTIVE

Article 17



It requires from the manufacturers of a device or an application to embed data protection from the **very beginning of its design.**

This includes ensuring the availability of appropriate mechanisms to inform and educate the end user about what the apps can do and what data they are able to access, as well as providing appropriate settings for app users to change the parameters of the processing.



HOW REAL IS THIS?

JUNE 2015, EU Council of Ministers

REGULATION

GENERAL DATA PROTECTION DIRECTIVE

OCTOBER 2015, European Court of Justice



NOVEMBER 2015, Belgian Court



Facebook 48 hours to stop tracking the online activities of non-Facebook users (datr coockie) in Belgium unless they have their explicit consent or face a daily fine of €250,000

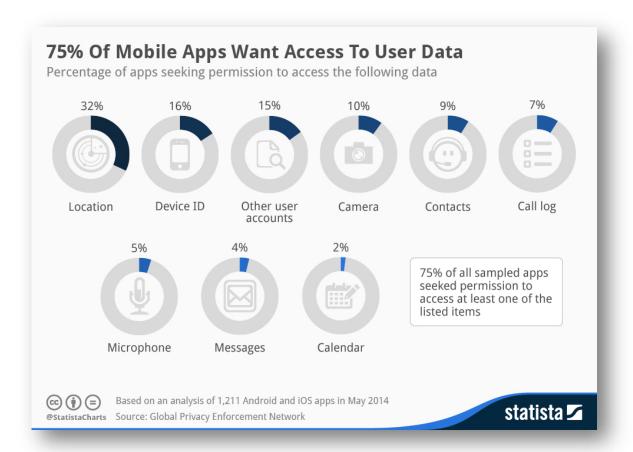


UNDERSTANDING PRIVACY FROM END-USERS POINT OF VIEW





UNDERSTANDING PRIVACY FROM APPLICATION'S POINT OF VIEW





MATCHING THE GAP





Predict information about you and your personality by analyzing your digital trail





Privacy monitoring and protection solution using automated agents and crowd sourcing information



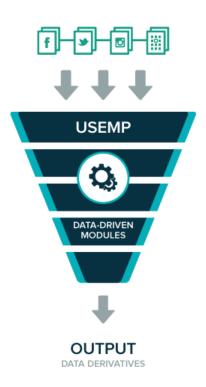
DATABAIT

INPUT

DATA GATHERED BY
THE DATABAIT TOOLS

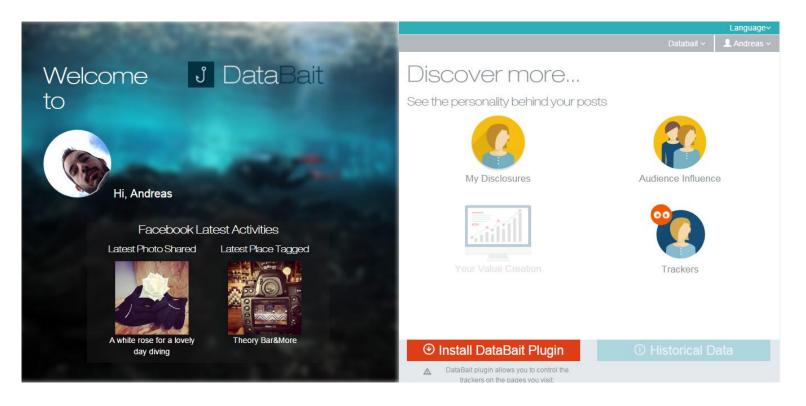
DataBait, the USEMP web application that shows you what happens behind the screen, to the digital trail you leave behind when using services such as Facebook, Google or Twitter.

- Step 1: Connect with your Facebook account
- Step 2: DataBait will access your public information, friends list, photos and posts
- > Step 3: Install DataBait browser-plugin
- Step 4: get an insight who tracks you and where



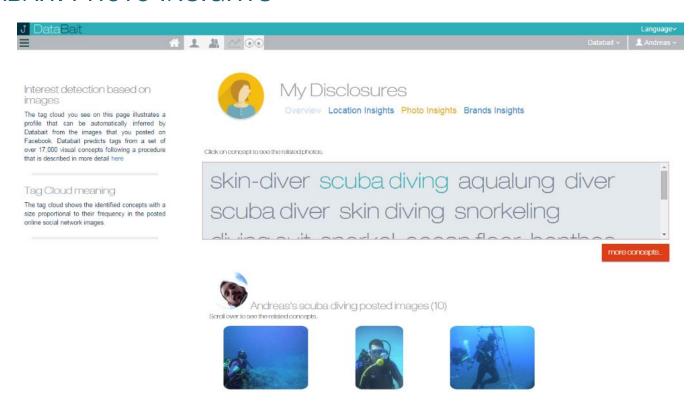


DATABAIT: LOGIN WITH FACEBOOK ACCOUNT



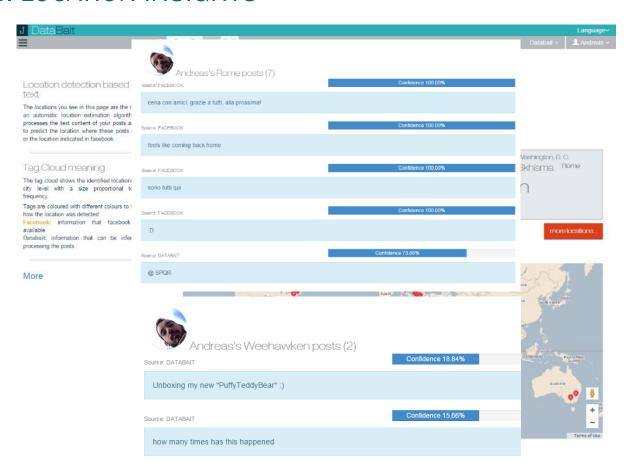


DATABAIT: PHOTO INSIGHTS



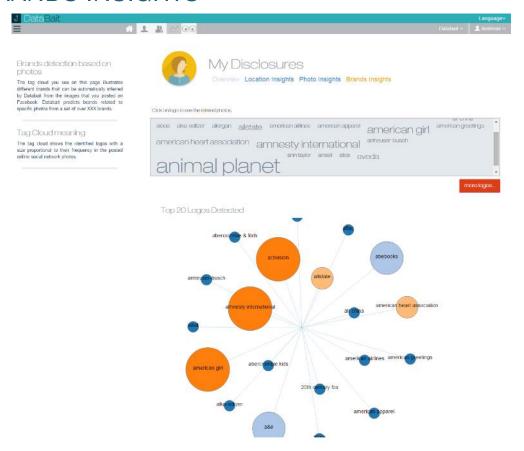


DATABAIT: LOCATION INSIGHTS



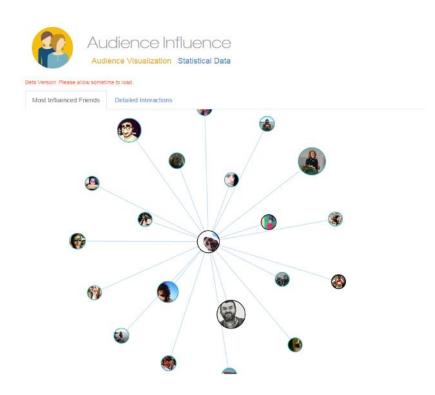


DATABAIT: BRANDS INSIGHTS





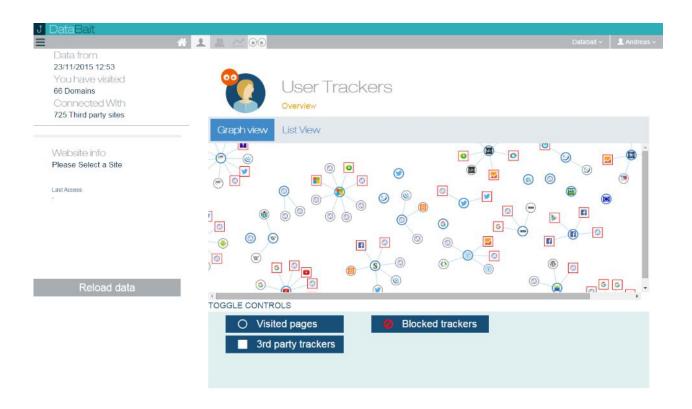
DATABAIT: AUDIENCE INFLUENCE

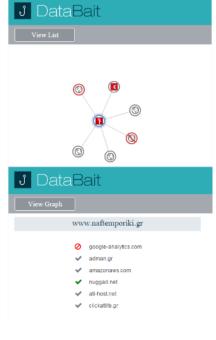






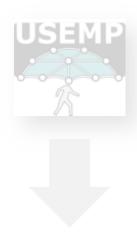
DATABAIT: WHO TRACKS ME?







ENABLING THE CROWD



Predict information about you and your personality by analyzing your digital trail





Privacy monitoring and protection solution using automated agents and crowd sourcing information



PRIVACY FLAG



Privacy Flag engages with the crowd



Crowd provides feedback through PF tools



PF site



Android app



Browser add-on



The information is combined with



Automated privacy enablers



Privacy Flag experts input



Users get privacy risks analysis for:

- Sites the visit
- Mobile Apps they use
- IoT registered networks



THANK YOU

