

Logs & Visualisation (LIVVIL) workshop

- | | |
|---------------|--|
| 08:30 - 08:40 | Welcome and introduction |
| 08:40 - 09:15 | Keynote by Catherine Plaisant |
| 09:15 - 09:40 | LogVis Panel: Logging Visualizations |
| 09:40 - 10:10 | Panel discussion with speakers |
| 10:10 - 10:30 | Coffee Break |
| 10:30 - 11:00 | VisLog Panel: Visualizing Logs |
| 11:00 - 11:30 | Panel discussion with speakers |
| 11:30 - 12:10 | Group discussion / questions, roadmap, next steps |
| 12:10 - 14:00 | Collective Lunch |

Welcome!



Romain Vuillemot
@romsson



Jeremy Boy
@myjyby



Aurélien Tabard
@aurelient



Charles Perin
@charles_perin



Jean-Daniel Fekete
@jdfaviz



People who liked this workshop also liked..

The Event Event: Workshop on Temporal & Sequential Event Analysis

Monday, October 24 2:00pm - 6pm

<http://eventevent.github.io/>

BELIV: Beyond Time And Errors: Novel Evaluation Methods For Visualization

Monday, October 8:30am - 6pm

<http://beliv.cs.univie.ac.at/>

VAST: Social Media Data and Events

Thursday, October 27 8:30am - 10:10pm

<http://ieevis.org/year/2016/info/overview-amp-topics/papers>

→ “*Coping with Volume and Variety in Temporal Event Sequences: Strategies for Sharpening Analytic Focus.*” Fan Du, Ben Shneiderman, Catherine Plaisant, Sana Malik, Adam Perer

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What are logs?

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“Temporal events reflecting user's activity”

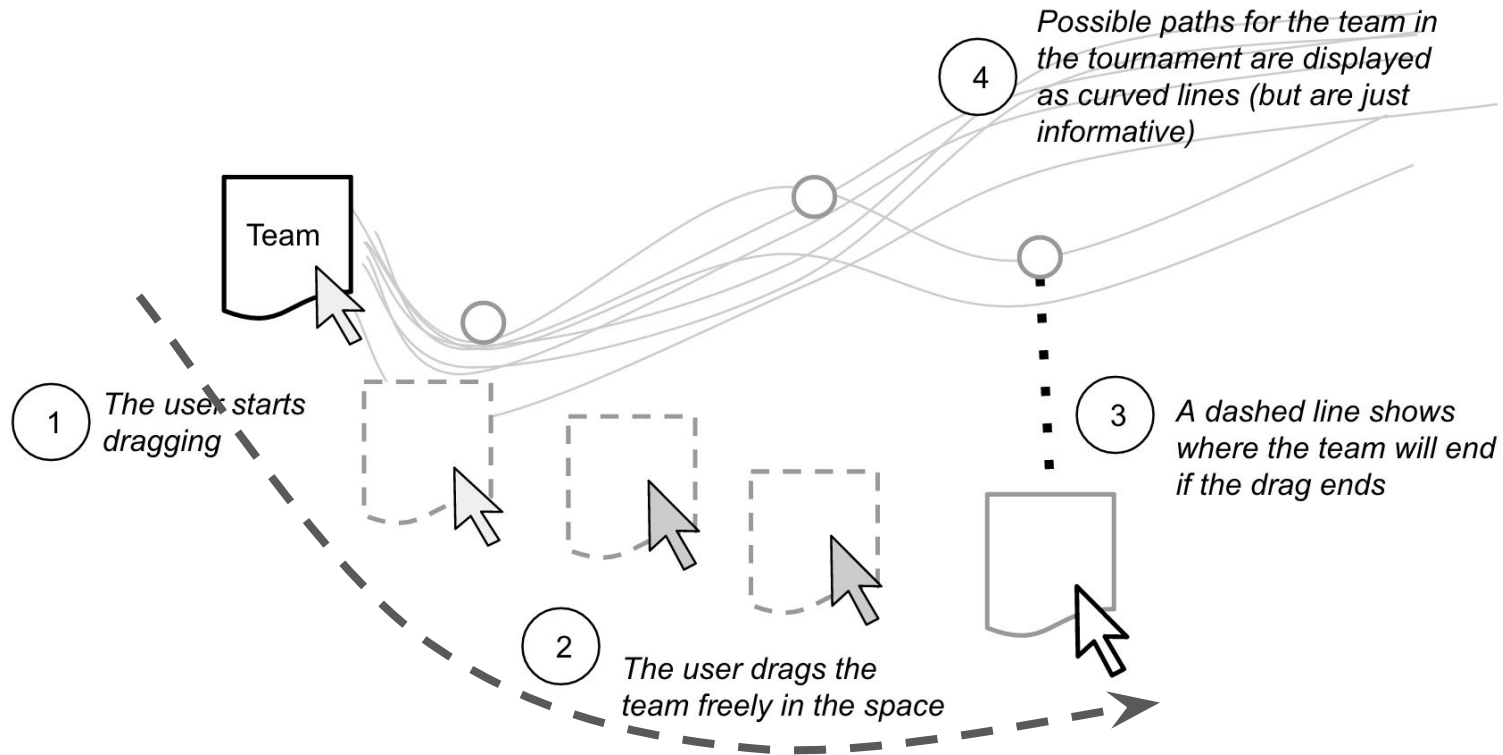
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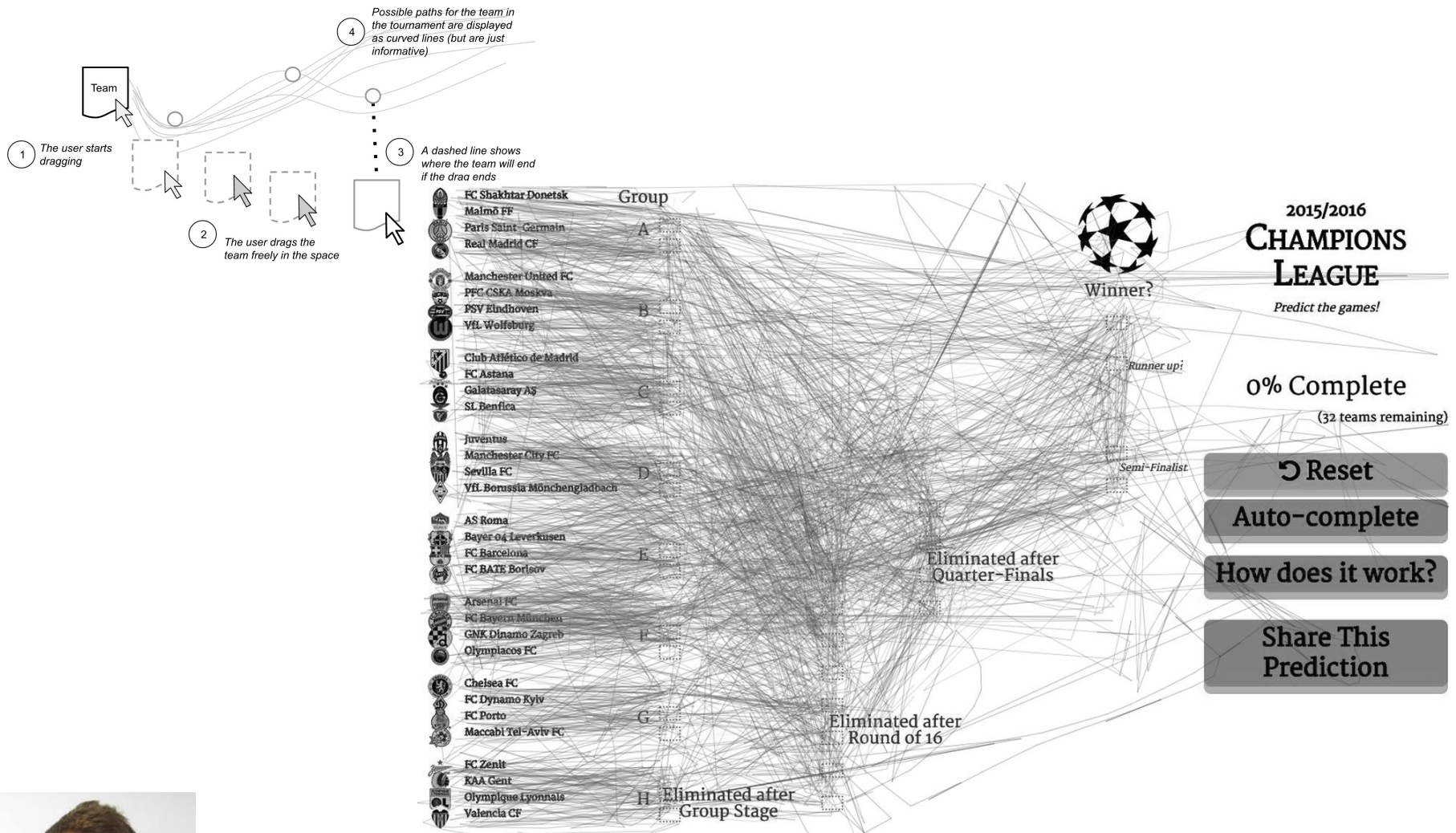
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```

- **Non-intrusive:** their collection usually is transparent to the user.
- **Cheap:** can be collected using *very simple and affordable* mechanisms.
- **Capture lots of information:** data state, annotation, multiple sessions.

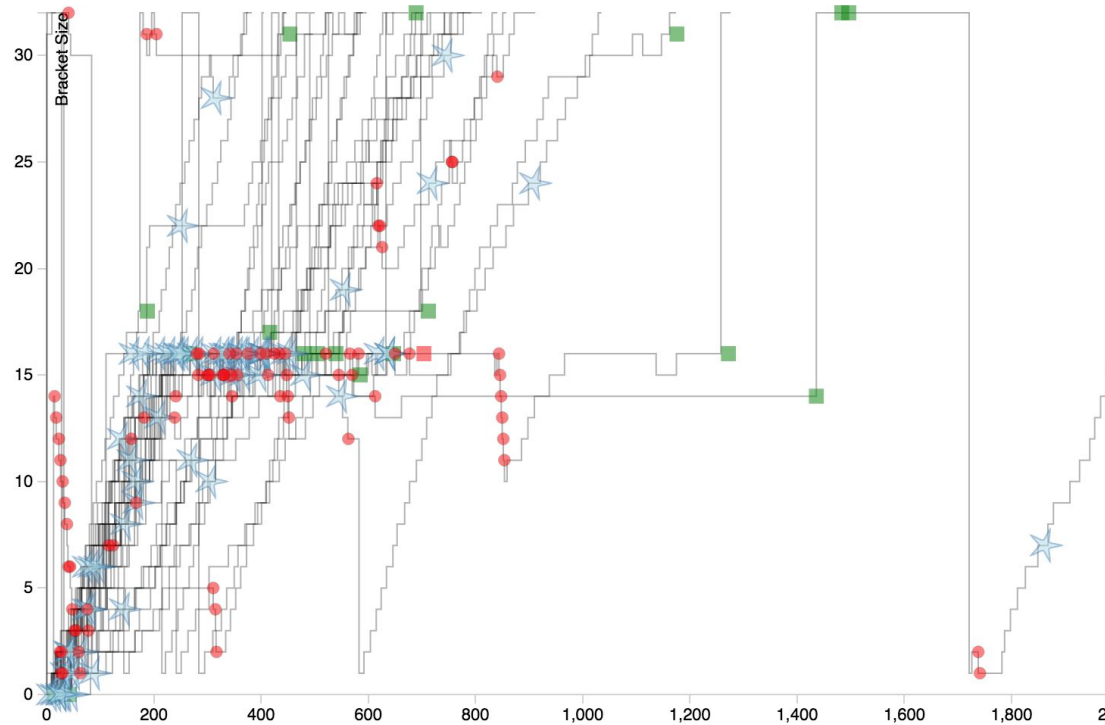
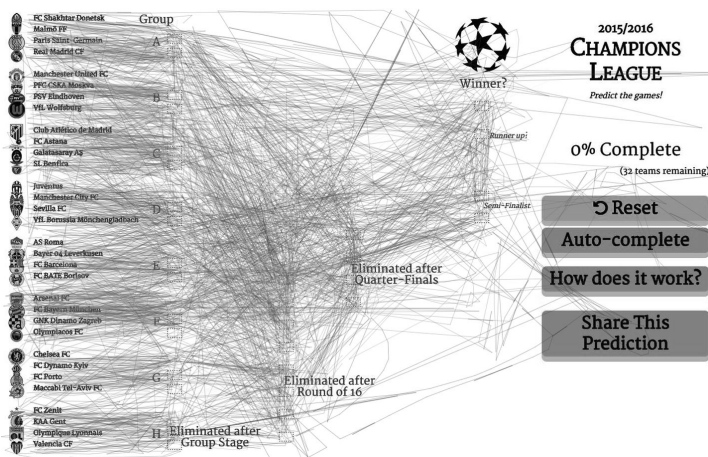
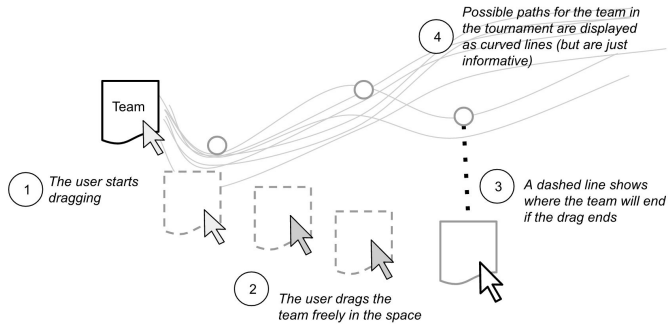
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“Capturing Advanced User Interactions” Soccer Predictions using Direct Manipulation (Vuillemot et al). CG&A 2016



“Capturing Advanced User Interactions” Soccer Predictions using Direct Manipulation (Vuillemot et al). CG&A 2016



“Capturing Advanced User Interactions” Soccer Predictions using Direct Manipulation (Vuillemot et al). CG&A 2016

CO2 : la carte de la pollution -> https://blogs.mediapart.fr/~redaction-de-mediapart/blog/180314/co2-la-carte-de-la-pollution-mondiale

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JOURNAL LA LUNE DU CLAIR DÉPÔS 48 HEURES LES BLOGS LES ÉDITIONS L'AGENDA LA CHARTRE PARTICIPEZ

CO2 : la carte de la pollution mondiale
18 MARS 2014 | PAR LA REDACTION DE MEDIAPART | BLOG : LE BLOG DE LA REDACTION DE MEDIAPART

FAVORI Partager
RECOMMANDER Tweet
ALERTE G+
IMPRIMER

4 COMMENTAIRES | 12 RECOMMANDÉS | A + -

Depuis plusieurs jours, les médias et le gouvernement nous alertent sur la qualité de l'air, mettant en cause principalement les particules fines et oubliant un peu le CO2. L'infographie interactive ci-dessous permet de voir l'évolution des émissions de dioxyde de carbone dans une quarantaine de pays entre 1971 et 2007, de comparer les taux d'émissions de différents pays à une date donnée, d'inspecter l'évolution des émissions en France et ailleurs, et d'évaluer ainsi l'impact des politiques de diminution d'émissions suite à la ratification de différents traités internationaux sur l'environnement, comme le protocole de Kyoto.

Cette infographie interactive a été développée par Jeremy Boy, chercheur en sciences de l'information et de la communication, afin d'étudier le comportement des internautes vis-à-vis de la visualisation « narrative » de données. [En naviguant dans ce site](#), vous participez donc à sa recherche.

Où sont les G20 polluants depuis 1971?
Le graphique ci-dessous permet de visualiser l'évolution des émissions de CO2 de 1971 à 2007 pour les 20 pays les plus polluants. Les données sont issues de l'annuaire de l'OCDE sur les émissions de CO2. Les données sont en millions de tonnes de CO2. Les données sont en millions de tonnes de CO2. Les données sont en millions de tonnes de CO2.

LA REDACTION DE MEDIAPART

En poursuivant votre navigation sur ce site, vous acceptez l'utilisation des cookies pour améliorer votre navigation. Gérer mes cookies

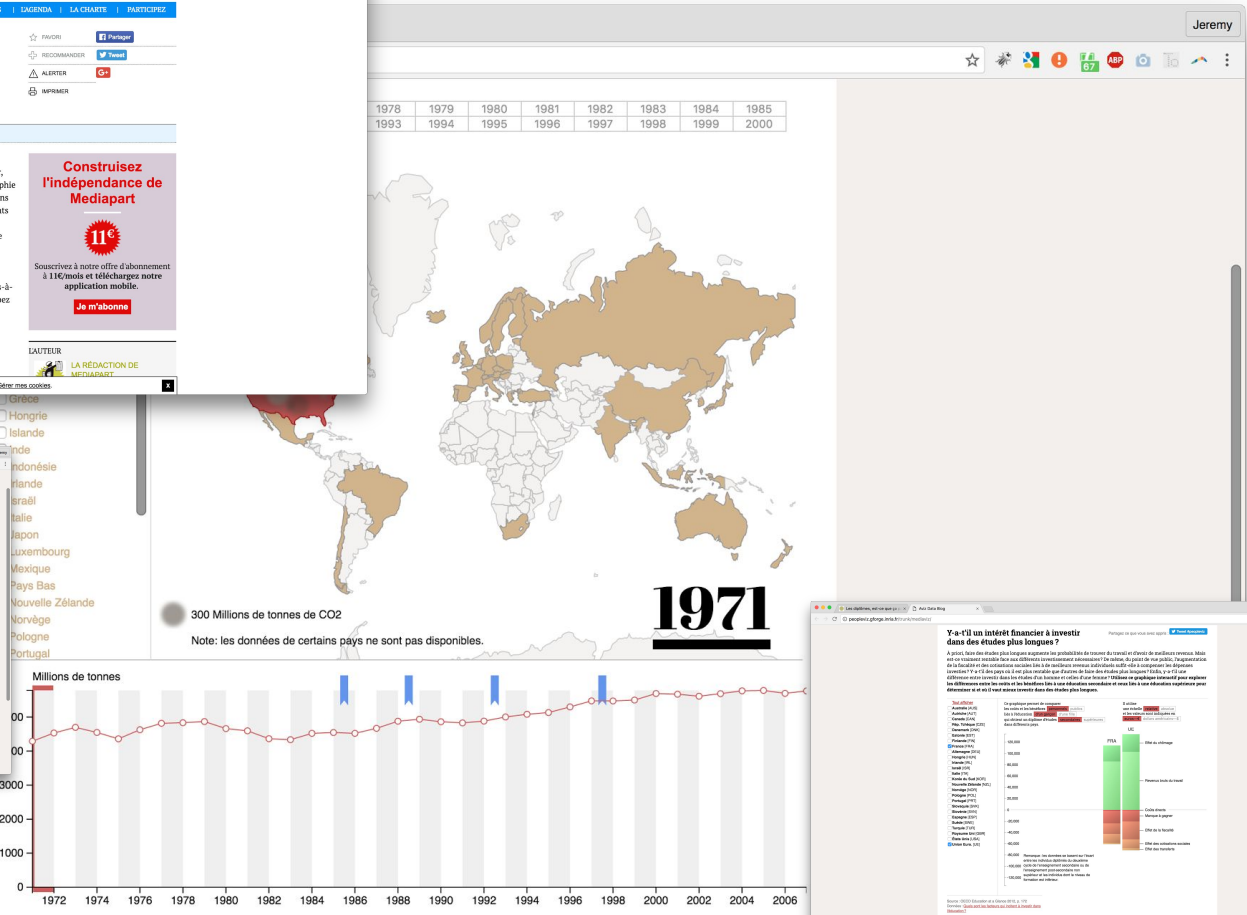
Quelle est l'importance de l'énergie nucléaire?

Les pays membres de l'OCDE ont pour objectif de réduire leur consommation de pétrole de 60% en 2020. Cette réduction de consommation de pétrole est essentielle pour atteindre les objectifs de réduction des émissions de CO2. Les données sont en millions de tonnes de CO2.

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100% ÉCARTÉE

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100% DÉMOCRATIQUE
100% TRANSPARENTE
100% PARTICIPATIVE
100% ÉCARTÉE

100% DÉPENDANT
100% DÉMOCRATIQUE
100% TRANSPARENTE
100% PARTICIPATIVE
100% ÉCARTÉE



Source: OECD Factbook 2010, Economic, Environmental and Social Statistics. Chap. Emissions of Carbon Dioxide
Données: CO2 emissions from fuel combustion

Live notes <http://tiny.cc/livvil/>

Y'a-t-il un intérêt financier à investir dans des études plus longues?

A partir de données issues de la base de données de l'OCDE sur les études de différents pays, nous avons cherché à répondre à la question suivante: Y'a-t-il un intérêt financier à investir dans des études plus longues? Les données sont en millions de dollars.

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100% TRANSPARENTE
100% PARTICIPATIVE
100% ÉCARTÉE

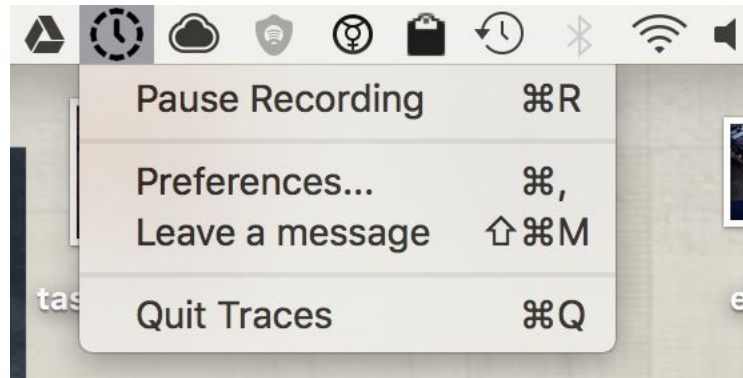


Understanding user engagement at a large scale

Storytelling in Information Visualizations: Does it Engage Users to Explore Data?

(Boy et al.) CHI 2015

Traces

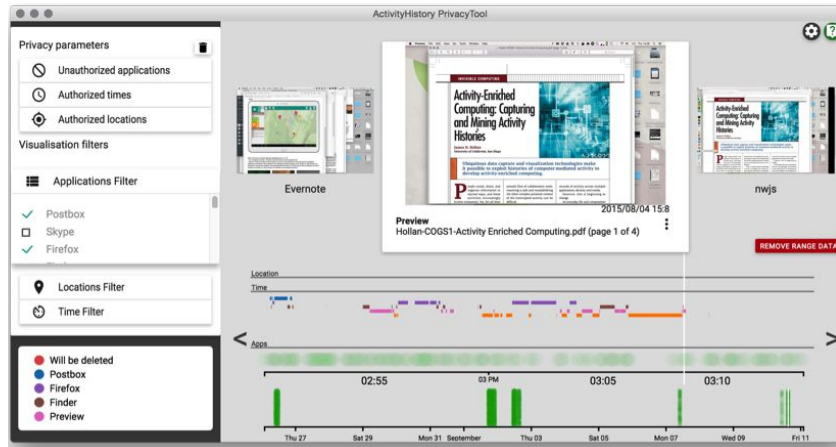


recorders	
applications	windows
mouse	keyboard
web	location

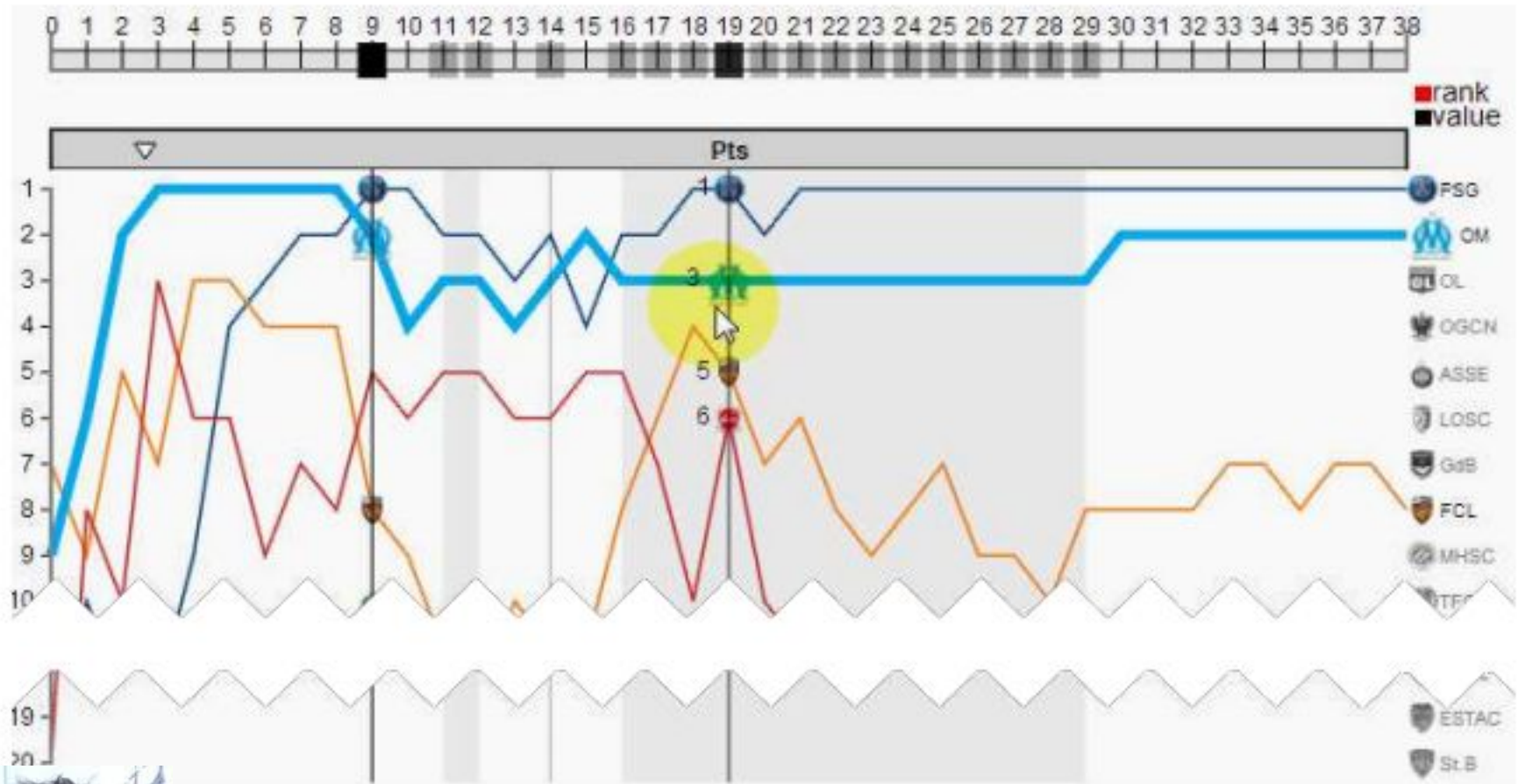
experience sampling

parsers	
applications	windows
mouse	keyboard
web	location

data	
buffer	
sqlite	



Traces: A Flexible, Open-Source Activity Tracker for Workplace Studies (Rule et al). *Quantified Workplace 2016*



“Logging personal activity and using logs for user studies”

À Table! (Perin et al). CHI 2014



A Gift to Jean-Daniel Tekete on the occasion of his 50th birthday.

*Crafted by
Romain Rich,
Pierre Desjardins,
Yves Lussier,
Dane Kowczyk,
Eliot Kowczyk,
Charles Perin,
and Wesley Willett,
with the help of
Nicole Desjardins,
Samuel Nivon,
André Spritzer,
Romain Nullement,
and the support of
Nadine Roubillet,
Jeremy Roy,
Évelyne Lutton, and
Alexandre Merlin.*

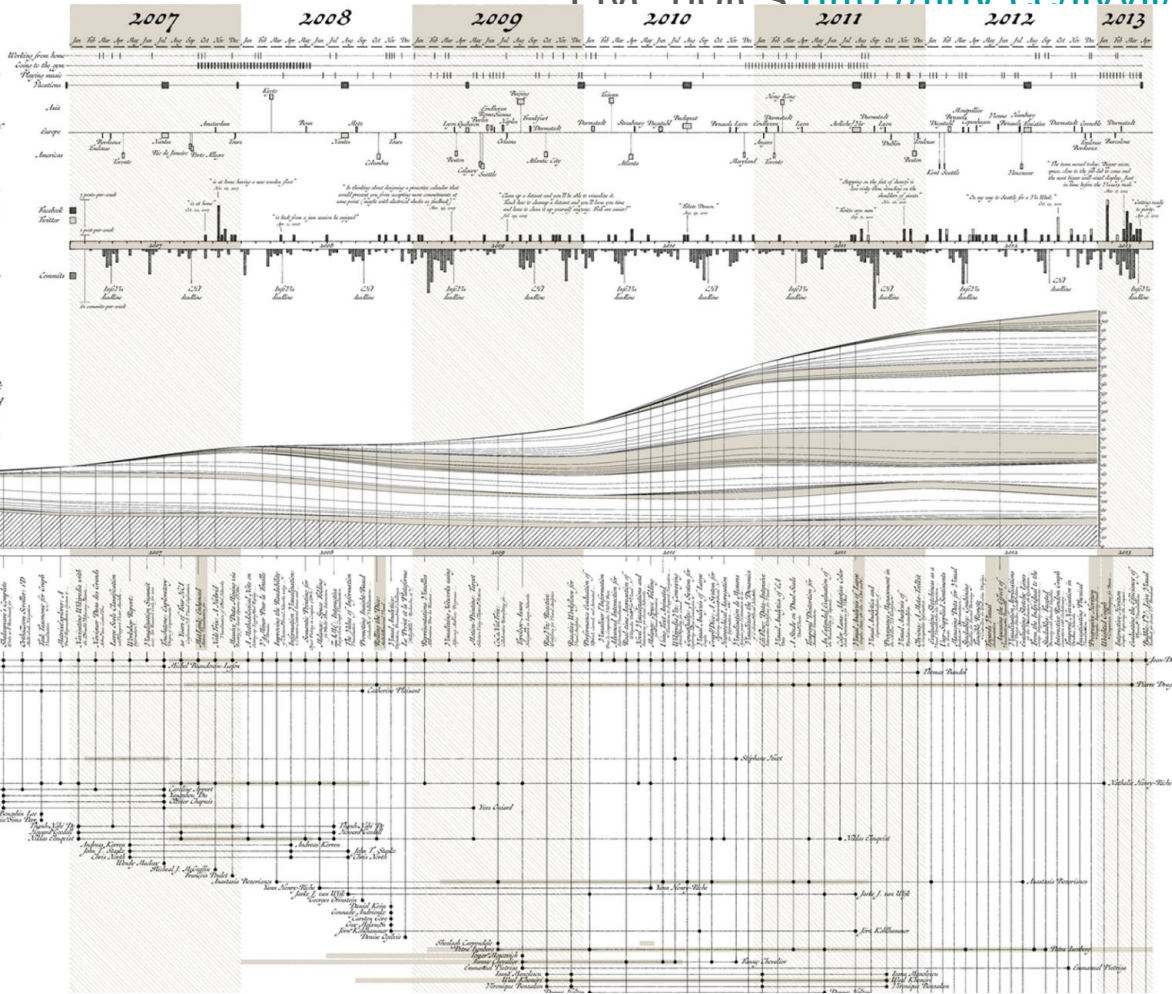
Calendar To the right, five parallel rows depict scheduled events from JDF's agenda from the year two-thousand-and-seven onwards. Vertical hash marks that cross each row chronicle the date and time of each event. Prolonged periods of vacation are represented as boxes with cross-hatching and denote not only the start, but also the duration of the absence.

Voyages Undertaken Each voyage is marked by a rectangle whose width denotes the duration of the associated travel. The vertical position of each mark represents the longitude of the visited destination. The horizontal black line running the length of the chart corresponds to the longitude of Paris.

Employment of Social Media Bars represent the number of posts writ since the year two-thousand-and-seven upon the social media services Facebook (represented by a pattern of "cross-hatching") & Twitter (represented in solid yellow). Individual bars exhibit the annual total number of posts writ throughout the course of one calendar week and text highlights posts of import.

Contributions to Repositories Stars, bars represent the number of commit commands executed upon the Subversion repository of *shvix*. Above, individual bars represent the annual total number of commits made over the course of a calendar week.

Citations of His Work Stacked streams represent the number of citations of JDF's work by others in the academic. Each stream represents an individual paper and the height of the stream at each year's end signifies the total tally of citations of the work during that year. Vertical lines connect the streams to paper titles below. The background color corresponds to the original date of publication and alternates from one year to the next, in accord with the color of the bar at the base of the chart.



Citations for older papers

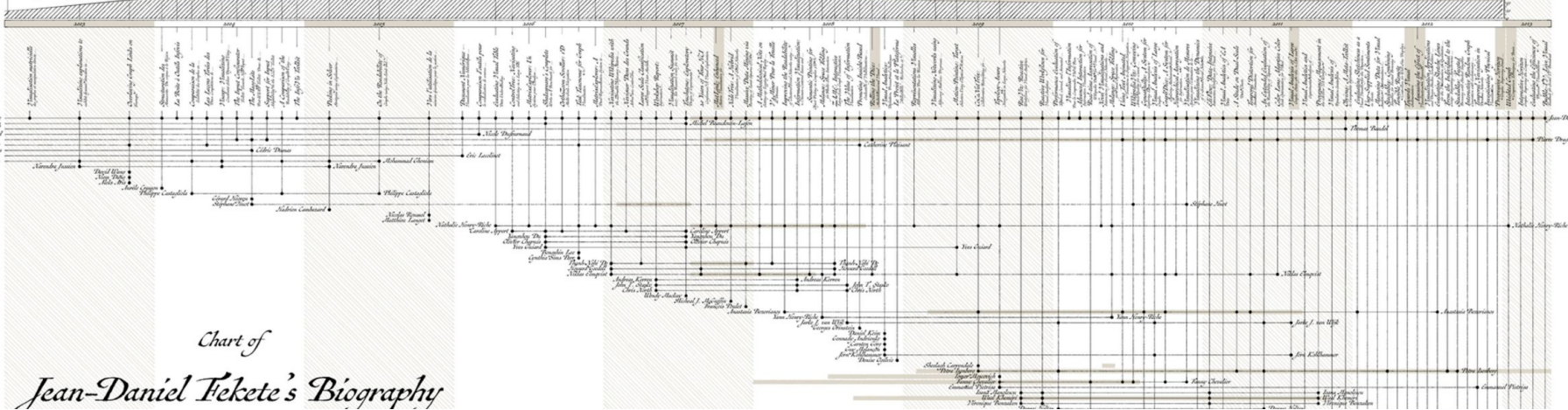


Chart of

Jean-Daniel Tekete's Biography



“Logs infrastructure”
TimeLine of JDF's Life 2003-2013 (AVIZ Era)

LogVis

(Logging
Visualization)

VisLog

(Visualizing
Logs)

LogVis

- What and how to track users
- Technical infrastructure
- Complex user interactions
- Frequency and volume
- Reporting and communication
- Analysis for evaluation
- Qualitative feedback structure
- Ethics and privacy issues
- + *[ADD YOURS]*

VisLog

- Novel visualizations
- Visual cues using history
- Knowledge view
- Reflecting on past actions
- Visual analysis for patterns discovery
- Interactions (undo, playback)
- + *[ADD YOURS]*

Expectations for this workshop

- Share best practices in **LogVis** and **VisLog**
- Share **awareness** around logs & structure the **community**
- Pave the way for a long term **research agenda**

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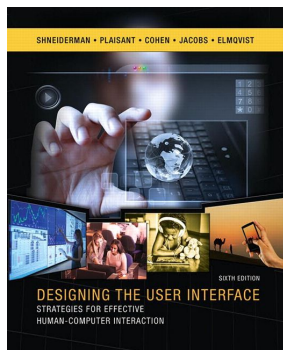
Keynote Speaker: Catherine Plaisant



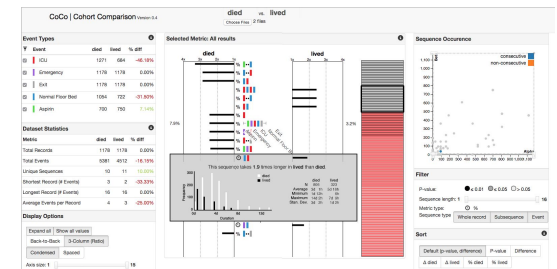
"Visualizing and manipulating temporal event sequences with EventFlow: challenges and lessons learned for log analysis."

- **Senior Research Scientist** at the University of Maryland Institute for Advanced Computer Studies
- **Associate Director** of Research of the Human-Computer Interaction Lab
- Member of the **SIGCHI Academy** since 2015
- **+20 years** of Research, **+140 published** papers

Information visualization, medical informatics, universal access, digital humanities, technology for families, and evaluation



6th Editions of Designing the User Interface, one of the major books on Human-Computer Interaction



Logs & Visualisation (LIVVIL) workshop

08:30 - 08:40 Welcome and introduction

08:40 - 09:15 **Keynote** by Catherine Plaisant

09:15 - 09:40 **LogVis** Panel: Logging Visualizations

09:40 - 10:10 Panel discussion with speakers

10:10 - 10:30 Coffee Break

10:30 - 11:00 **VisLog** Panel: Visualizing Logs

11:00 - 11:30 Panel discussion with speakers

11:30 - 12:10 **Group discussion / questions, roadmap, next steps**

12:10 - 14:00 Collective Lunch

LogVis panel (Logging Visualizations)

"Logging in Visualizations: Challenges of Interaction Techniques Beyond Mouse and Keyboard"

Tom Horak, Ulrike Kister, Konstantin Klamka, Ricardo Langner, Raimund Dachzelt.

"Requirements for Visual Interaction Analysis Systems"

Yi Han, Gregory D. Abowd, John Stasko.

"Logging Interactions to Learn About Visual Data Coverage"

Tanja Blascheck, Steffen Koch, Thomas Ertl.

Logs & Visualisation (LIVVIL) workshop

- | | |
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VisLog panel (Visualizing Logs)

"Interaction Log and Provenance for Sensemaking"

Phong H. Nguyen, Kai Xu, B. L. William Wong.

"Leveraging Interaction History for Intelligent Configuration of Multiple Coordinated Views in Visualization Tools"

Andrew Pachuillo, Eric D. Ragan, John R. Goodall.

"Results and Challenges in Visualizing Analytic Provenance of Text Analysis Tasks Using Interaction Logs"

Rhema Linder, Alyssa M. Peña, Sampath Jayarathna, Eric D. Ragan.

"SpatialVis: Visualization of Spatial Gesture Interaction Logs"

Erik Paluka, Christopher Collins.

Logs & Visualisation (LIVVIL) workshop

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Group discussion

LogVis

- What and how to track users
- Technical infrastructure
- Complex user interactions
- Frequency and volume
- Reporting and communication
- Analysis for evaluation
- Qualitative feedback structure
- Ethics and privacy issues
- + *[ADD YOURS]*

VisLog

- Novel visualizations
- Visual cues using history
- Knowledge view
- Reflecting on past actions
- Visual analysis for patterns discovery
- Interactions (undo, playback)
- + *[ADD YOURS]*

...

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<http://tiny.cc/livvil/>

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Thank you!

Keep the conversion going on <http://tiny.cc/livvil/>