

PENTAHO DAY 2019



06 JUIN 2019

// 9H - 17H //

**IRIS - ESPACE DE CONFÉRENCES
2 BIS RUE MERCOEUR
75011 PARIS**

SAIKU
Quoi de neuf ?

- ❑ Saiku : Quelques rappels
- ❑ Plugin Saiku v3.15
- ❑ Correctifs et Evolutions Atol CD
- ❑ L'avenir de saiku
- ❑ Vos questions

Saiku : Quelques rappels



Saiku – fiche d'identité

Saiku = client web pour l'analyse

- Date de naissance : 2009
- Lieu de naissance : Royaume-Uni
- Parents : Tom Barber et Paul Stoellberger.
- Saiku est développé et maintenu par la société **Meteorite.BI**
- Saiku est disponible sous la forme d'une application web standalone et **d'un plugin serveur pentaho**
- Il existe 2 versions : community et enterprise
<https://www.meteorite.bi/saiku-product-comparison>
- Saiku : un requêteur de type « **Tableau croisé Dynamique** »



Saiku : client web OLAP

<http://demo.ojbc.org/saiku-ui>

Cubes

Crisis Incidents

Mesures

Ajouter

Incident

Incident Count

Average # Officers

Average Officer Time

Average Cost

Average Days Since Prior Incident

Reoccurrence Rate

Subsequent Booking Rate

Average # Prior Interactions in Past 6 Months

Average # Prior Interactions in Past 12 Months

Average # Prior Interactions in Past 18 Months

Average # Prior Interactions in Past 24 Months

Dimensions

Age

Assessment Category

Call Nature

Diagnosis

Disposition Location

(All)

Disposition Location

Domicile Status

(All)

Domicile Status

Education Level

(All)

Education Level

Engagement Status

Ethnicity

Mesures

Incident Count

Colonnes

Disposition Location

Disposition Location

Rangées

Language

Language

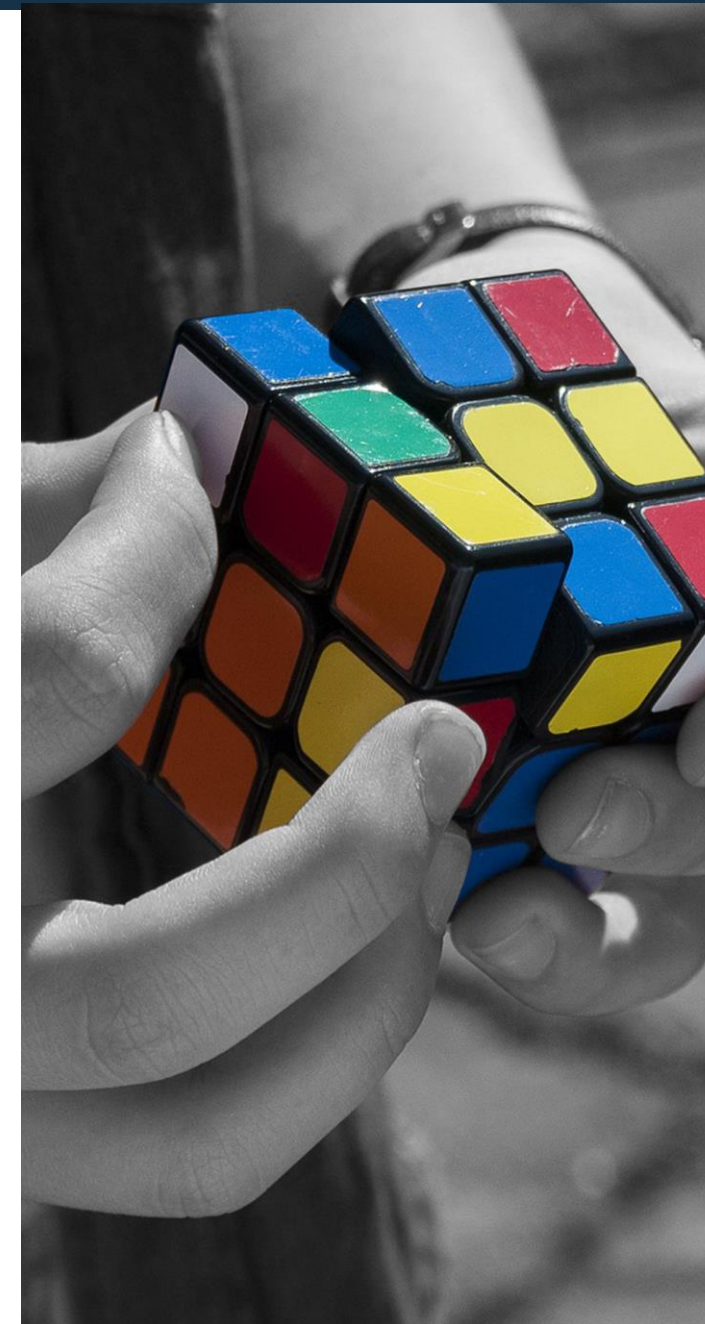
Education Level

Education Level

Filtre

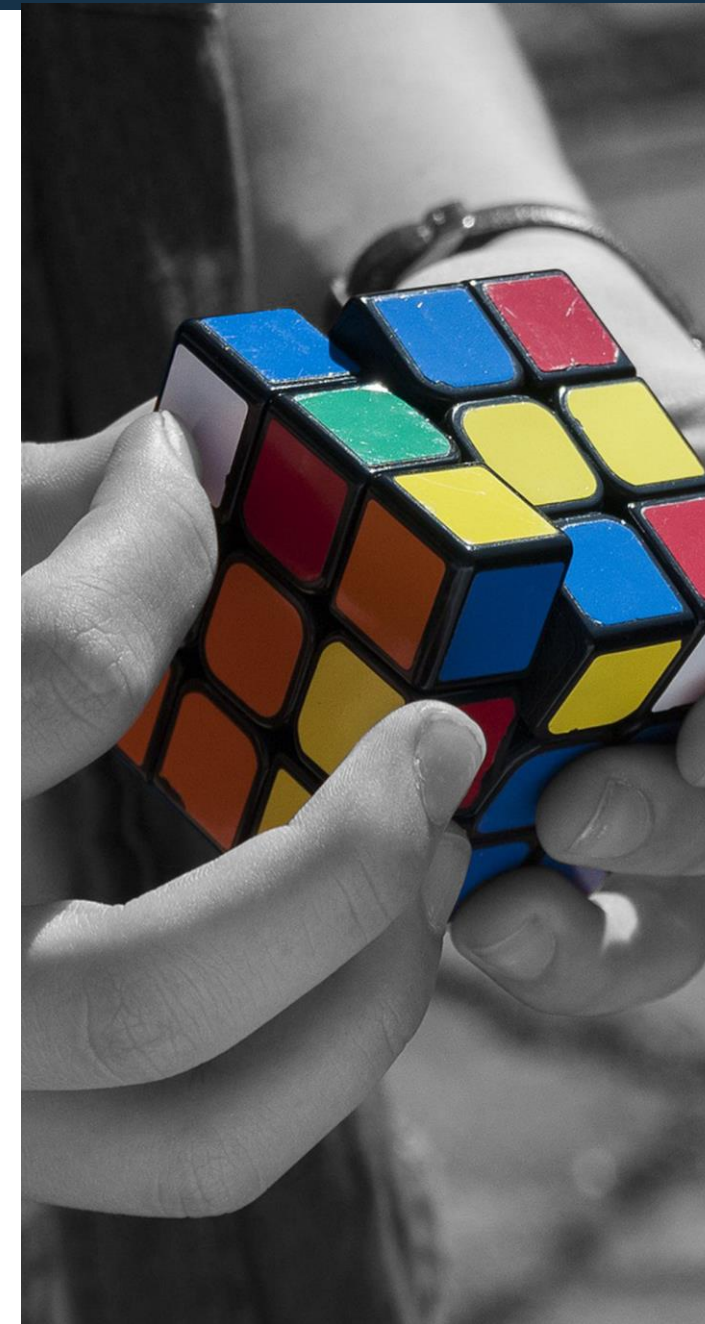
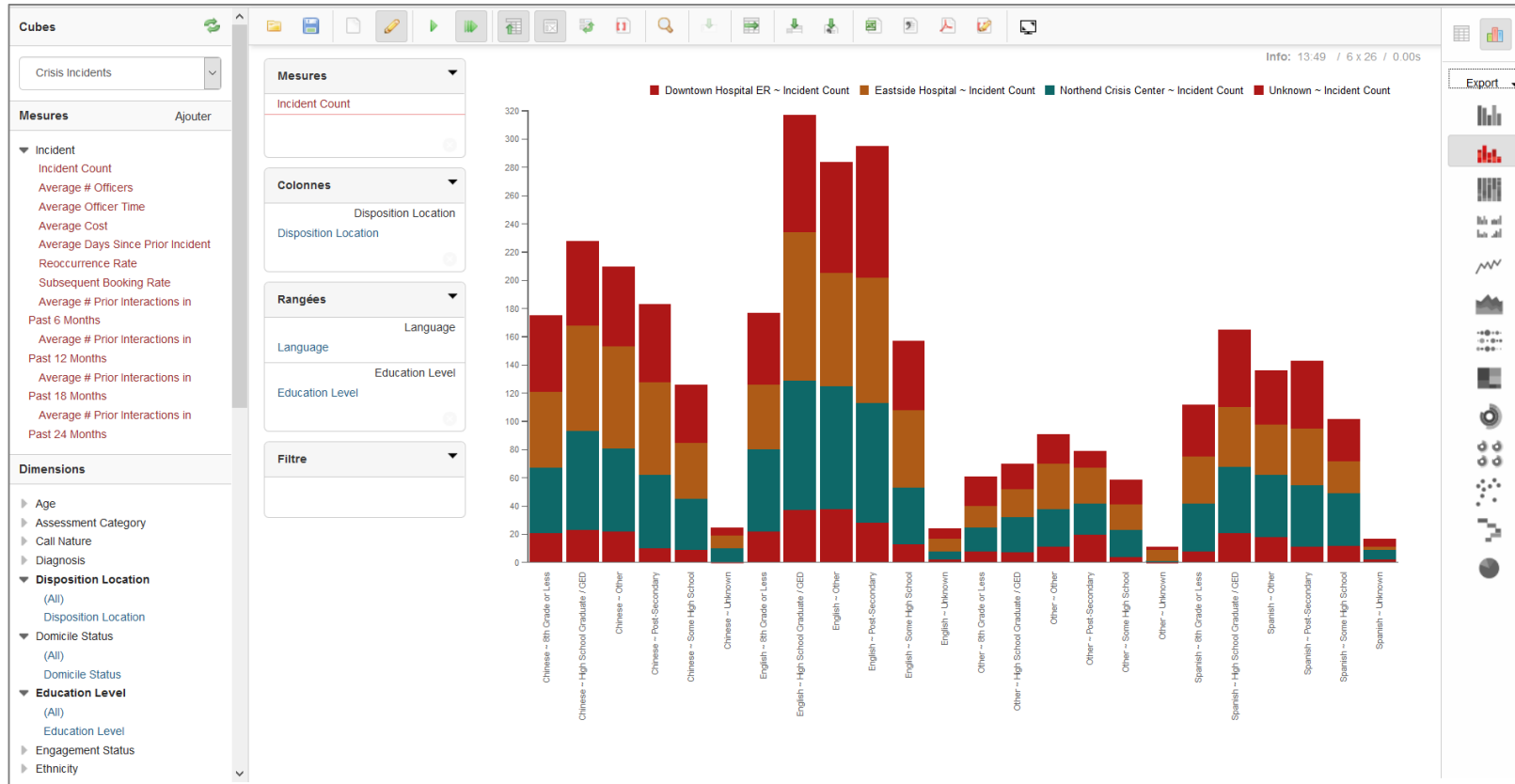
Language	Education Level	Downtown Hospital ER	Eastside Hospital	Northend Crisis Center	Unknown
Chinese	8th Grade or Less	54	54	46	21
	High School Graduate / GED	60	75	70	23
	Other	57	72	59	22
	Post-Secondary	55	66	52	10
	Some High School	41	40	36	9
English	Unknown	6	9	10	
	8th Grade or Less	51	46	58	22
	High School Graduate / GED	83	105	92	37
	Other	79	80	87	38
	Post-Secondary	93	89	85	28
Other	Some High School	49	55	40	13
	Unknown	7	9	6	2
	8th Grade or Less	21	15	17	8
	High School Graduate / GED	18	20	25	7
	Other	21	32	27	11
Spanish	Post-Secondary	12	25	22	20
	Some High School	18	18	19	4
	Unknown	2	8		1
	8th Grade or Less	37	33	34	8
	High School Graduate / GED	55	42	47	21
	Other	38	36	44	18
	Post-Secondary	48	40	44	11
	Some High School	30	23	37	12
	Unknown	6	2	7	2

Info: 13:49 / 6 x 26 / 0.00s



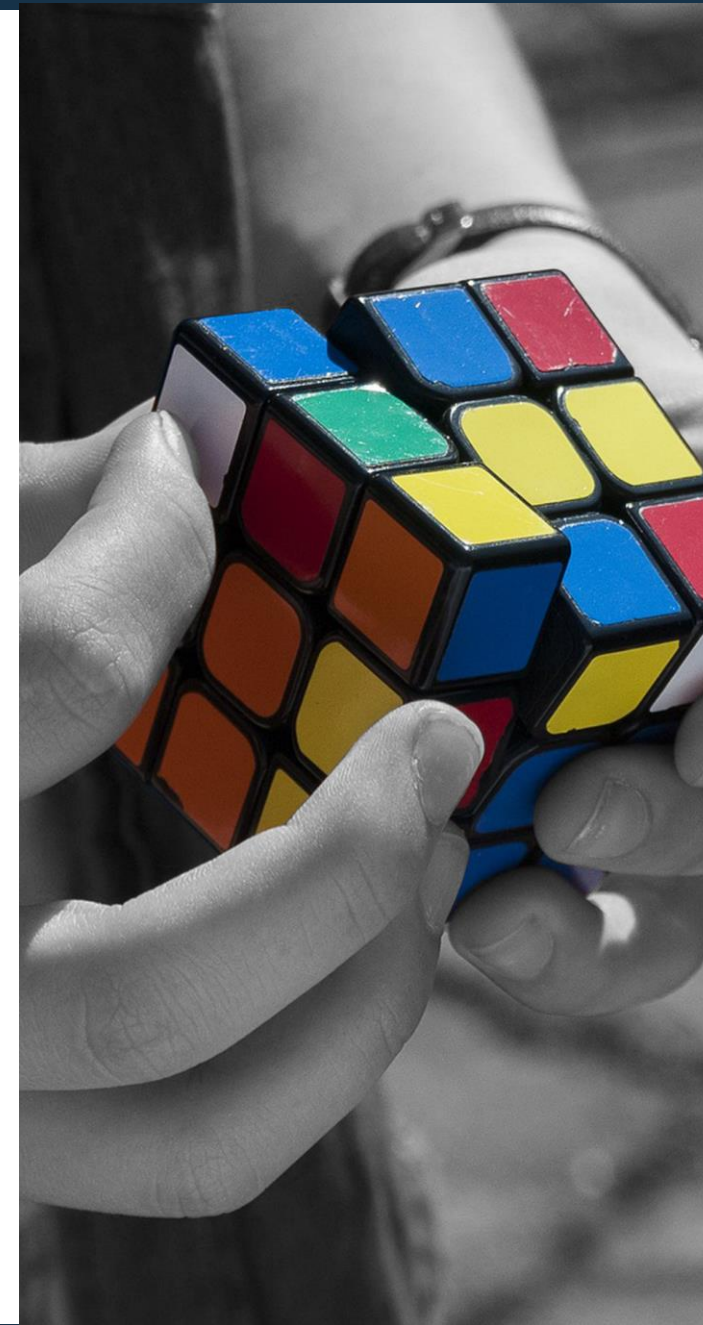
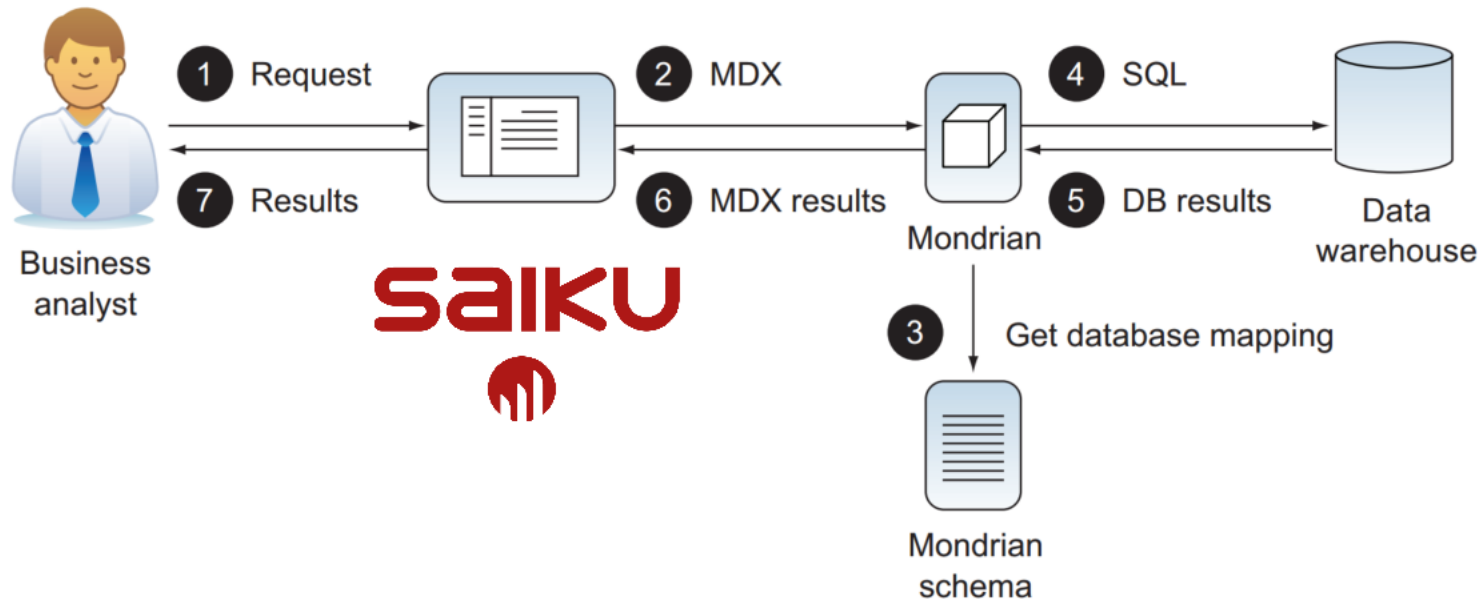
Saiku : client web OLAP

<http://demo.ojbc.org/saiku-ui>



Saiku et Mondrian

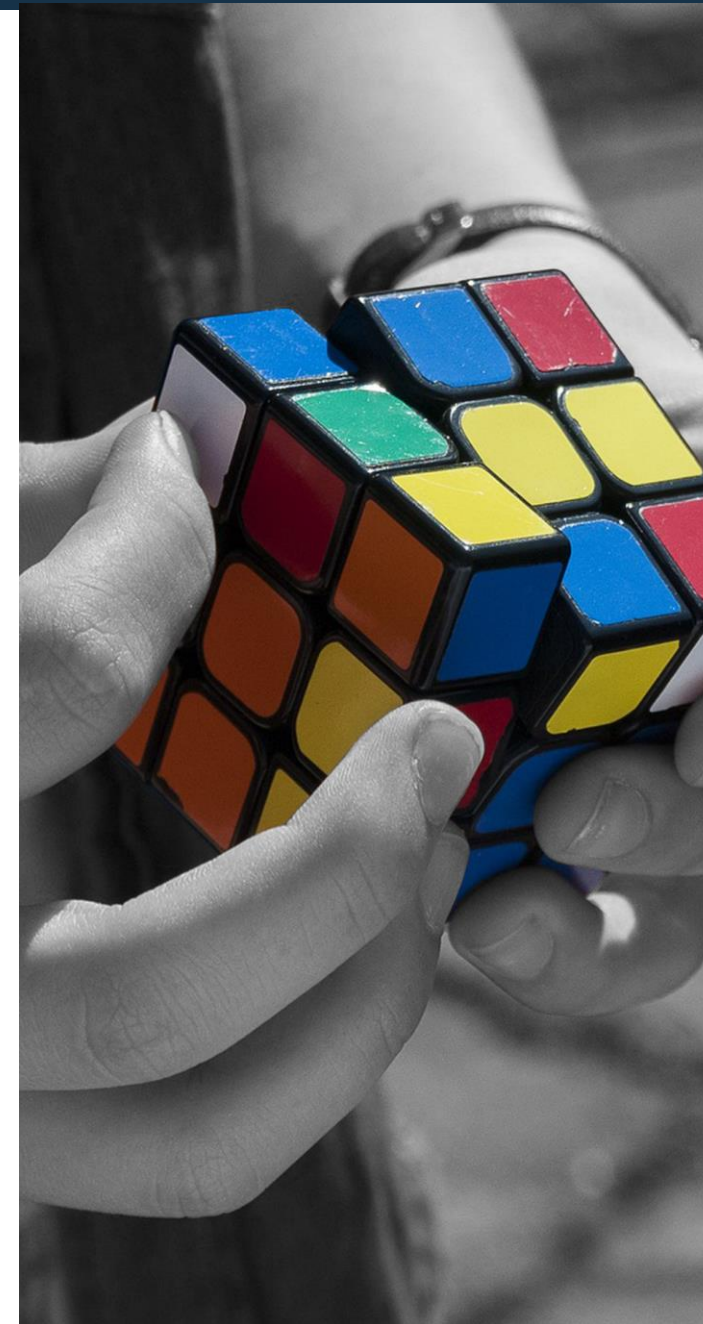
- Saiku est le client web. Dans son utilisation comme plugin pentaho, il repose sur le moteur ROLAP Mondrian
- Saiku génère du **MDX** et Mondrian le décode en **SQL**



Saiku et la gestion de la sécurité

- En tant que plugin, Saiku récupère l'implémentation des droits au travers de Pentaho (Spring), notamment les groupes d'utilisateurs définis dans l'administration du serveur
- **Tout est sécurisable :**
 - Les mesures
 - Les dimensions
 - Les niveaux hiérarchiques
 - Les membres (les valeurs que prennent les données)
- Dans des contextes avancés, possibilité de mettre en place le Dynamic Schema Processor (DSP)

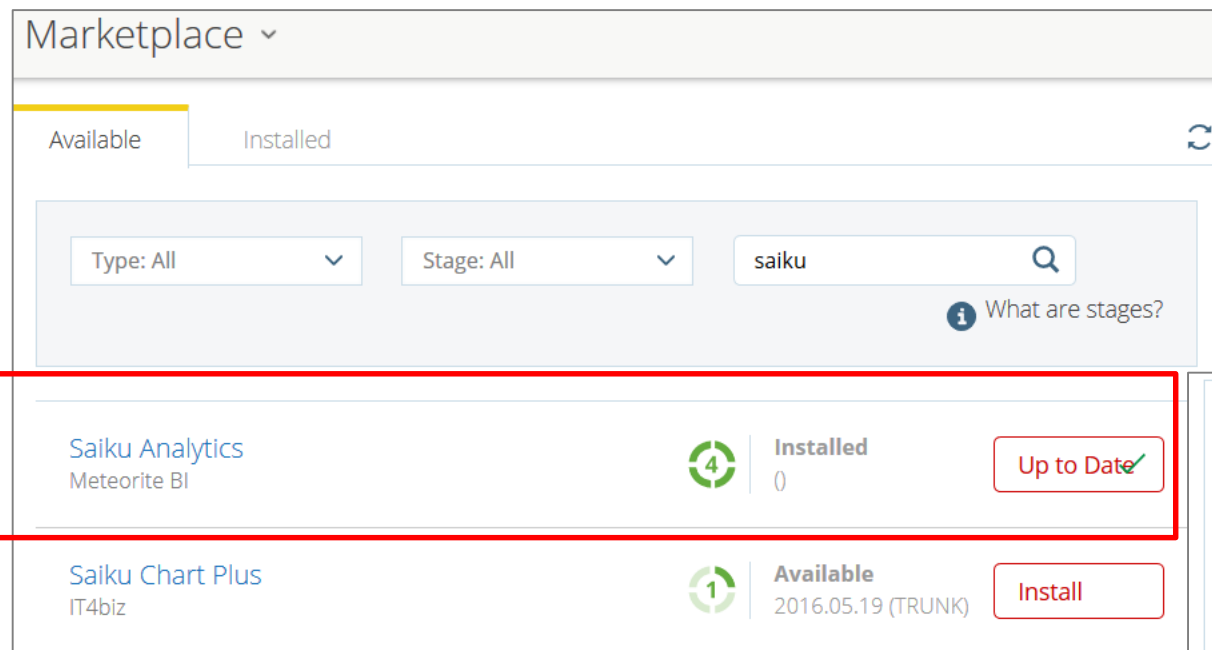
<https://blog.atolcd.com/gestion-securite-dynamique-mondrian>



Saiku p3.15

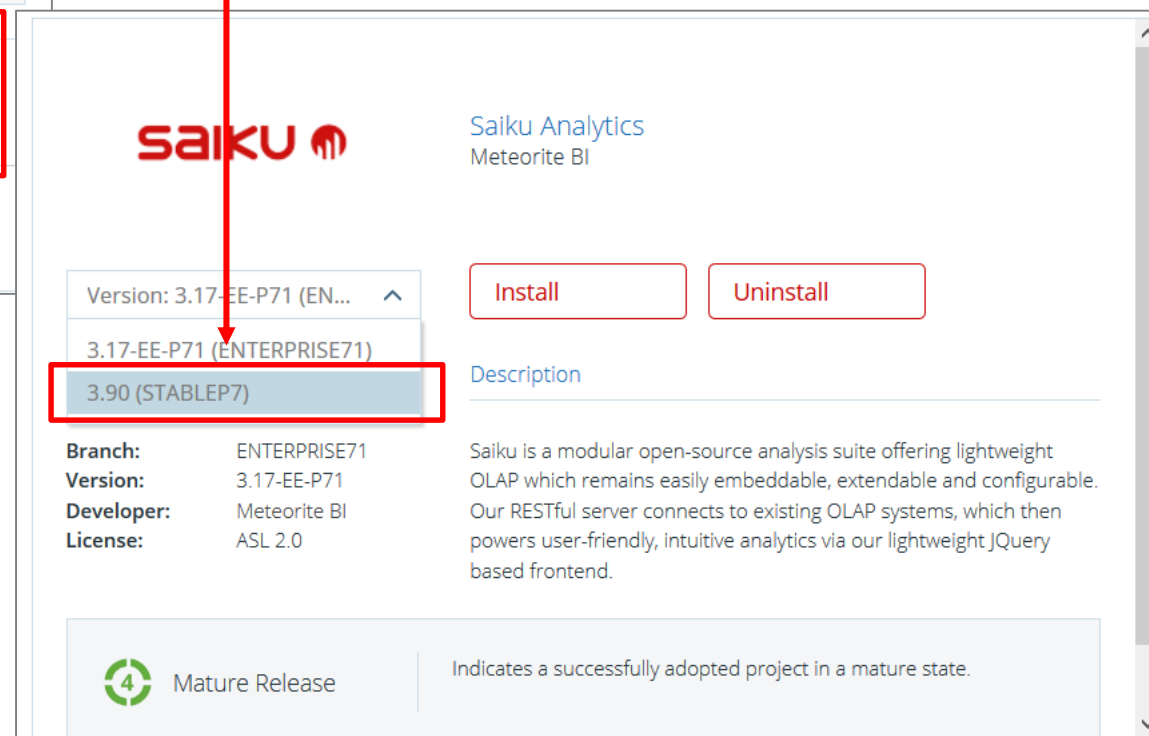


Marketplace pentaho



Saiku 3.9 :

La dernière version du plugin saiku disponible sur la marketplace pentaho (8.2) :



Il existe une version **3.15** du plugin Saiku chez MeteoriteB I:

<https://www.meteorite.bi/downloads/saiku-plugin-p7.1-3.15.zip>

On peut de toute façon recompiler saiku depuis les sources :

<https://github.com/OSBI/saiku>

Forum Saiku

- Sources d'info utiles :
 - <https://community.meteorite.bi> (site down)
 - <https://www.meteorite.bi>
 - <https://groups.google.com/a/saiku.meteorite.bi>

Google Recherche des messages

Groupe: Saiku Dev Partagé en mode public. 60 sur un grand nombre de sujets. Rejoindre le groupe

À propos de

Thème	Messages	Date
Export Saiku Chart Mode Problem [Saiku 3.9 on pentaho 8.1]	1 message	15 mai
Saiku Export to Excel Grand Totals	2	30 avr.
Saiku Version	6	30 avr.
Saiku with Mondrian 4 / 3	1	30 avr.
Licensing issue	1	9 avr.
cubes list ordered	1	4 avr.
Saiku CE-Vertica compatibility	7	14 mars
Query creation	1	7 mars
Export to excel is not working in pentaho 8.2	10	25 févr.
Error registering on the license server: Mail server connection failed	1	15 févr.
Saiku Dev	1	12 févr.
Couldn't open the cubes on Saiku Server CE	1	8 févr.
Can we control the saiku datasource/cube initialization process?	2	8 févr.
Saiku license server down	2	29 janv.

Saiku p3.15

- **Plusieurs bugs** : exports des images, exports Excel, pb de présentation des tableaux, pb de sauvegarde, traduction française incomplète

[Export Saiku Chart Mode Problem \[Saiku 3.9 on pentaho 8.1 \]](#)

Hi guys, we are getting a 500 error in the **export** functionality on chart mode. Is there a compatibility problem with saiku 3.9 and pentaho 8.1? Thanks a lot...

15 mai de sequeiraj...@gmail.com

[Saiku Export to Excel Grand Totals](#)

In the latest download (3.17) this seems to be fixed. See screenshot. I am using 3.8. Is it possible to patch 3.8. for this ?...

30 avr. de Eduardo Eduardo

[Export to excel is not working in pentaho 8.2](#)

fix to **export** to excel in pentaho 8.2? >>>>>> >>>>>> -- >>>>>> You received this message because you are subscribed...

25 févr. de Bruno Catão

[Export to Excel is not working with pentaho 7.1](#)

Hi, **Export** to excel is not working in pentaho 7.1. Sometimes it works but the output got scattered and it shows bla, bla.. Can you please help to fix the **export** to excel. Is there any plan...

16/07/2018 de srikan...@gmail.com

[Saiku \(Pentaho plugin\) - excel export data truncated and empty extra columns](#)

Hi John, Is there a way to fix this issue without modifying the java code. I am using the saiku plugin in pentaho 7,1, where all the java codes are...

15/12/2017 de srikan...@gmail.com

[Export to excel is not saving the file with .xls extension](#)

I have fixed the issue, it was with the filename, I have saved the file with space in the name. So I have removed the space and its working fine now.....

08/09/2017 de srikan...@gmail.com

[Saiku on iframe X-Frame-Options problem.](#)

try to **export** to csv, xls, pdf, im getting this error: Refused to display 'http://localhost:8080/saiku/rest/saiku/api/query/2D8C51D4-6967-50CE-B77A-A142AFF2AC9/...

08/08/2017 de Ahustin Krone

Correctifs & évolutions Atol CD



Saiku p3.15

Nos correctifs (poussés sur le dépôt Saiku)

Pull Request GitHub Saiku : <https://github.com/OSBI/saiku/pull/648>

The screenshot shows a GitHub Pull Request page for the repository 'OSBI / saiku'. The title of the pull request is 'Bugs on tag 3.15 fixed #648'. It was created by 'minhleatolcd' and aims to merge 7 commits into the 'OSBI:development' branch from the 'minhleatolcd:tag-3.15-fixes' branch. The page shows 158 watchers, 1,045 stars, and 603 forks. There are 49 issues, 2 pull requests, 0 projects, and 0 security alerts. The pull request has 1 conversation, 7 commits, 0 checks, and 5 files changed. A comment from 'minhleatolcd' dated 26 Mar 2018 lists five bugs to be fixed: 1. Export Excel with filters on columns and/or rows, 2. Non visible levels, 3. Export Excel in Pentaho 7.1 with error Merge region caused by poi-3.15, 4. Drillthrough, and 5. French translation updates. The comment also includes instructions on how to verify changes. The right sidebar shows sections for Reviewers (No reviews), Assignees (No one assigned), Labels (None yet), and Projects.

OSBI / saiku

Watch 158 Star 1,045 Fork 603

Code Issues 49 Pull requests 2 Projects 0 Security Insights

Bugs on tag 3.15 fixed #648

New issue

Open minhleatolcd wants to merge 7 commits into OSBI:development from minhleatolcd:tag-3.15-fixes

Conversation 1 Commits 7 Checks 0 Files changed 5 +111 -45

minhleatolcd commented on 26 Mar 2018 • edited

Fix bugs:

1. Export Excel with filters on columns and/or rows
2. Non visible levels
3. Export Excel in Pentaho 7.1 with error Merge region caused by poi-3.15
4. Drillthrough
5. French translation updates

Instructions on how to verify changes:

Reviewers
No reviews

Assignees
No one assigned

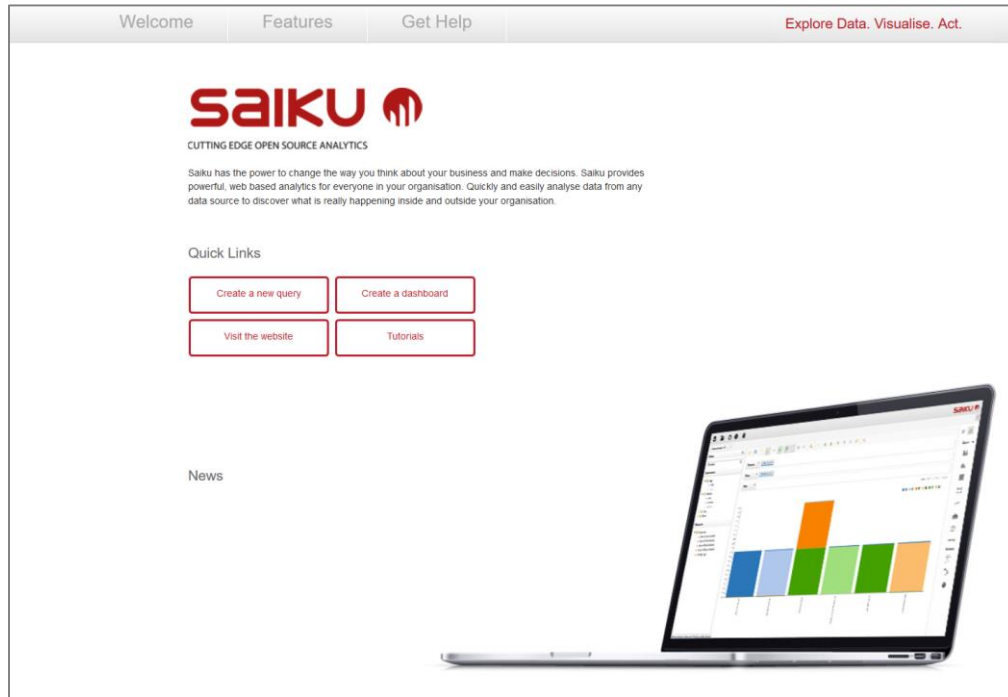
Labels
None yet

Projects

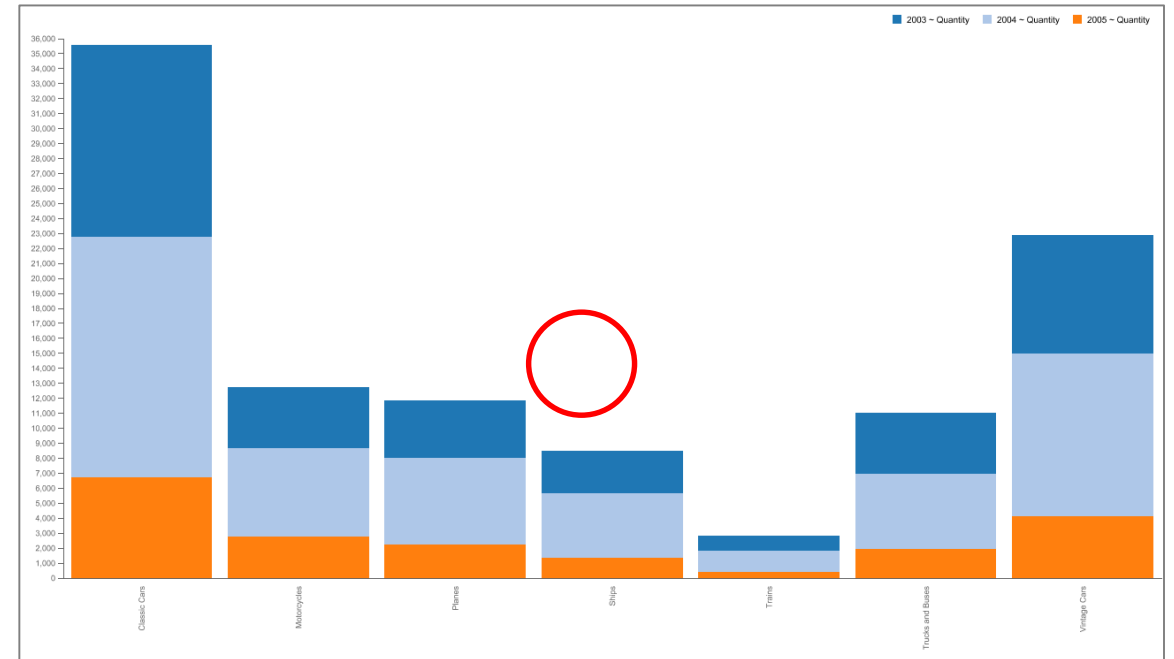
Saiku p3.15

Des ajouts fonctionnels

Suppression du « splash screen »



Suppression du logo saiku dans les exports



Saiku p3.15

Des ajouts fonctionnels

Ajout d'une fonction **Undo / Redo**

Saiku Analytics

Cubes

SteelWheelsSales

Mesures Ajouter

Quantity
Sales

Dimensions

Customers
(All)

Mesures

Quantity

Colonnes Time

Years
Quarters

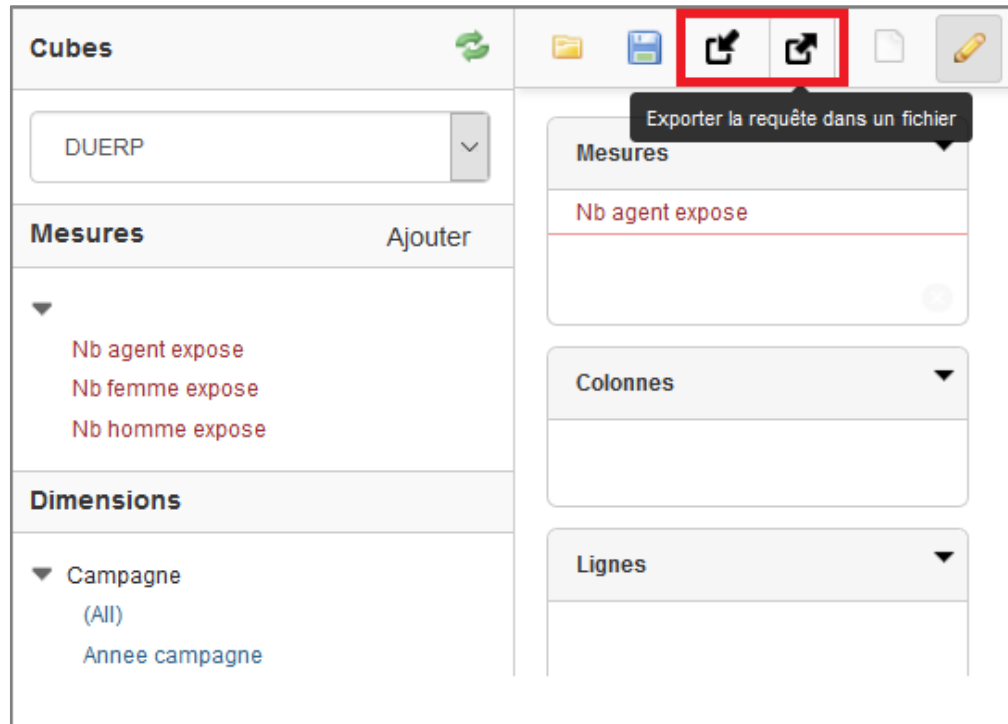
Undo Redo

Years	2003				
Quarters	QTR1	QTR2	QTR3	QTR4	Q
Customer	Quantity	Quantity	Quantity	Quantity	Qu
AV Stores, Co.	570	-	-	-	
Alpha Cognac	-	-	102	413	
Amica Models & Co.	-	-	-	-	
Anna's Decorations, Ltd	-	-	430	444	
Atelier graphique	-	156	-	-	

Saiku p3.15

Des ajouts fonctionnels

Fonction **Import / Export** d'une requête SAIKU



Saiku p3.15

Des ajouts fonctionnels

Affichage des **filtres sélectionnés** (développement du Ministère de l'Agriculture)

Saiku Analytics

Cubes: SteelWheelsSales

Mesures: Sales

Dimensions:

- Customers (All), Customer
- Markets (All), Territory, Country, State Province, City

Colonne: Sales

Colonnes: Years (2004) Quarters (Aucun filtre)

Lignes: Territory (EMEA) Line (Motorcycles, Planes) Product (Aucun filtre)

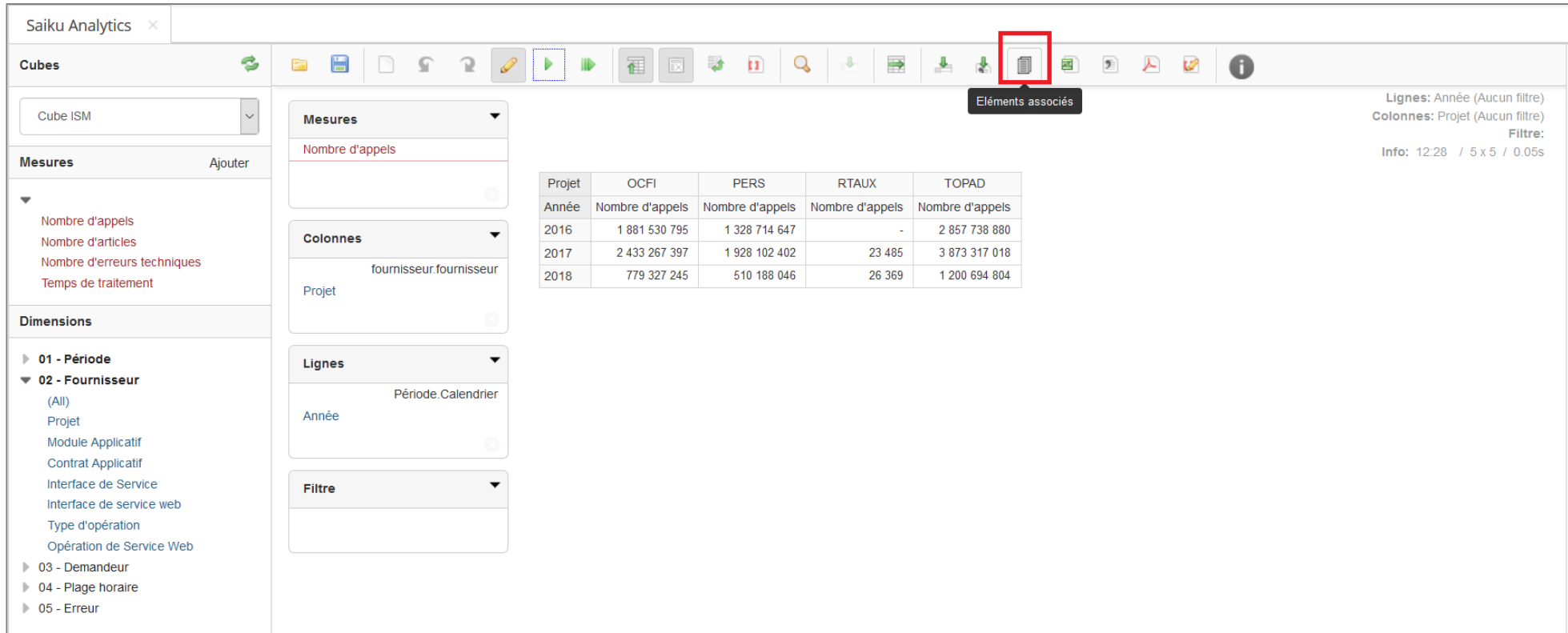
Info: 16:06 / 7 x 28 / 0.04s

		Years	2004			
		Quarters	QTR1	QTR2	QTR3	QTR4
Territory	Line	Product	Sales	Sales	Sales	Sales
EMEA	Motorcycles	1997 BMW R 1100 S	2 254	-	7 610	2 651
		2002 Yamaha YZR M1	7 087	3 476	3 544	11 103
		1997 BMW F650 ST	-	-	4 741	6 483
		1982 Ducati 996 R	3 427	1 738	1 014	6 777
		1960 BSA Gold Star DBD34 1960	-	-	4 496	4 399
		1982 Ducati 900 Monster	4 311	3 093	2 194	7 550
		1996 Moto Guzzi 1100i	-	-	6 662	-
		1969 Harley Davidson Ultimate Chopper	4 708	-	6 775	12 132
		2003 Harley-Davidson Eagle Drag Bike	-	-	13 585	-
		1974 Ducati 350 Mk3 Desmo	7 377	2 832	4 382	10 763
		1957 Vespa GS150	4 709	1 638	4 356	4 477

Saiku p3.15

Des ajouts fonctionnels

Fonction « **Drill-Through** » vers des **rapports prédéfinis** (Report Designer et Dashboard Ctools)



The screenshot displays the Saiku Analytics interface. The top toolbar contains various icons, with the 'Eléments associés' (Associated Elements) icon highlighted by a red box. The main workspace shows a report configuration for 'Cube ISM' with the following settings:

- Mesures:** Nombre d'appels
- Colonnes:** fournisseur.fournisseur
- Lignes:** Période.Calendrier
- Filtre:** (Empty)

The report data is displayed in a table with the following columns: Projet, OCFI, PERS, RTAUX, and TOPAD. The data is filtered by Année (2016, 2017, 2018).

Projet	OCFI	PERS	RTAUX	TOPAD
Année	Nombre d'appels	Nombre d'appels	Nombre d'appels	Nombre d'appels
2016	1 881 530 795	1 328 714 647	-	2 857 738 880
2017	2 433 267 397	1 928 102 402	23 485	3 873 317 018
2018	779 327 245	510 188 046	26 369	1 200 694 804

On the right side of the interface, the following information is displayed:

- Lignes:** Année (Aucun filtre)
- Colonnes:** Projet (Aucun filtre)
- Filtre:** (Empty)
- Info:** 12:28 / 5 x 5 / 0.05s

Saiku p3.15

Des ajouts fonctionnels

(Petite) démo

Nos (vos) idées d'évolutions...

- Figeage de l'en-tête de colonnes du tableau de données
- Amélioration du panneau latéral gauche
 - Amélioration ergonomie mesures/dimensions
 - Affichage des propriétés du cube
- Optimisation de la volumétrie dans l'IHM
- Amélioration des possibilités de filtrage :
 - pouvoir filtrer sur des mesures : sélectionner les données entre telle ou telle valeur numérique, ou des membres qui contiennent telle ou telle chaîne de caractère ou des liens entre des niveaux hiérarchiques
- Etc...

Saiku : quel avenir ?



Saiku 4 !

- Une refonte complète de Saiku : React / Python

4
JUN

mardi 4 juin 2019

Summer PLUG - Saiku 4 and Kettle in the cloud



Animé par [Dan K.](#)
De [Pentaho London Usergroup](#)
Groupe public

Vous y allez ? 19 personnes y vont

✓

×

Partager : [f](#) [t](#) [in](#)

Détails

Find out about Saiku 4 with its React and Python Middleware.

Saiku 4 demo
Saiku 4 on @Amphekylin demo?
Saiku 4 on Android demo?
Pentaho & Keycloak SSO & Dashboard in a nodejs application demo?

There is also a presentation about Data Lakes, Data Warehouses and using Kettle in the cloud.

NOTE: you MUST register at Skillsmatter or you won't be admitted to the building:

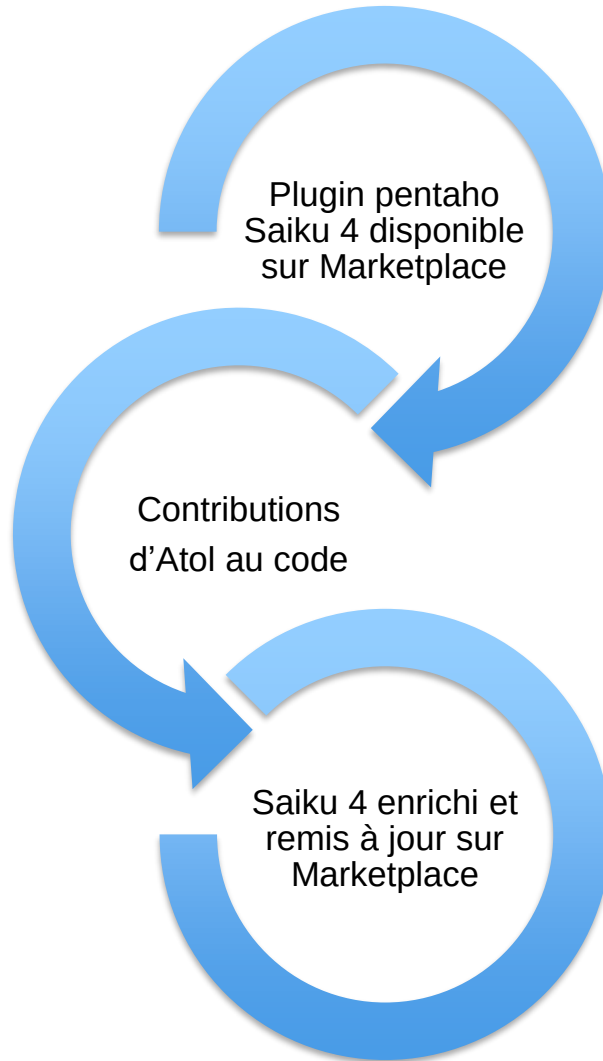
mardi 4 juin 2019
18:00 à 21:00

Skillsmatter (CodeNode)
CodeNode, 10 South Place, London,
EC2M 2RB, GB · Londres

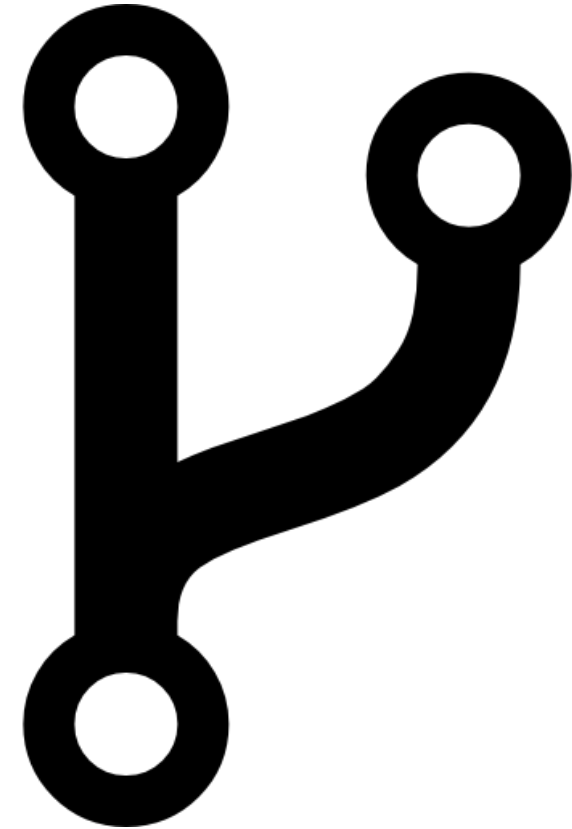


Saiku 4 ?

Option 1
On contribue...



Option 2
On « fork » !



Merci

QUESTIONS ?

