

Qui suis-je?



Scauglog (Romain Sagean)
Développeur

Xebia



Let's Monitor

the performance of your machine learning model



Monitor?





- once a day
- mean errors
- sell
- data are on HDFS, SQL, Cassandra
- reality and prediction are in separate file
- result are for dev and business







Why not Jupyter?



Jupyter?

- notebook
- language oriented
- no database connection
- can't hide code
- no security out of the box
- no auto refresh
- doesn't free ressource after use



What about kibana?



#Xebicon18

ELK?

- near real time monitoring
- too much stuff to install
- need creation of pipeline to feed the dashboard
- not enough flexibility



Zeppelin???



Zeppelin?

- big data notebook
- apache project
- written in Java (nobody is perfect)
- Backed by Hortonworks Engineer
- v0.8.0
- shipped with HDP
- designed for Big Data



Apache Zeppelin

There is an interpreter for that.

- Spark Scala, Python, R
- JDBC
- Markdown
- Shell
- Angular
- Many More
- Create Your own interpreter

































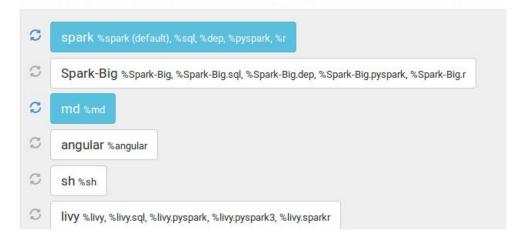


Interpreter

- Auto shutdown
- shared, scoped, isolated
- spark context is shared among language
- Configure interpreter
 - o library
 - multiple spark conf

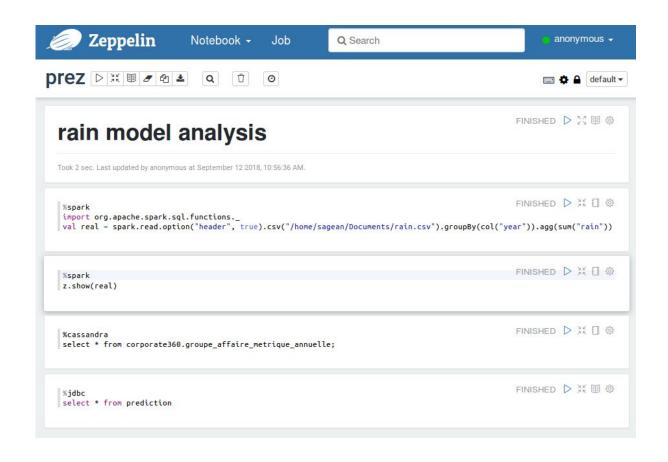
Interpreter binding

Bind interpreter for this note. Click to Bind/Unbind interpreter. Drag and drop to reorder interpreter. The first interpreter on the list becomes default. To create/remove interpreters, go to Interprete

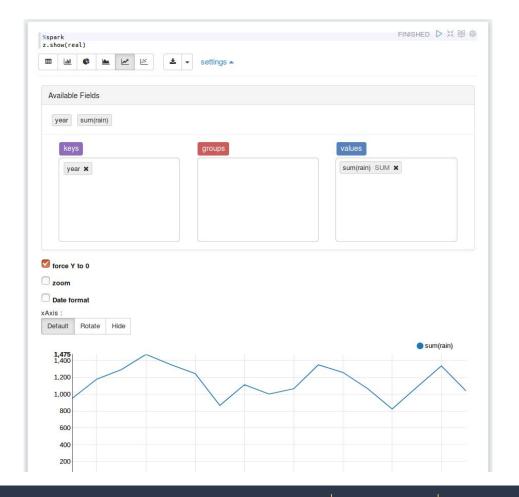


1. mix language

- o JDBC
- o Scala
- o Cassandra

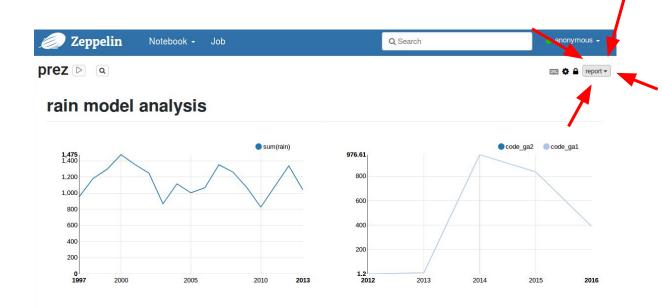


- 1. mix language
- 2. choose your dataviz
 - o table
 - o bar
 - o line
 - o create your own dataviz





- 1. mix language
- 2. choose your dataviz
- 3. hide code





- 1. mix language
- 2. choose your dataviz
- 3. hide code
- 4. create form

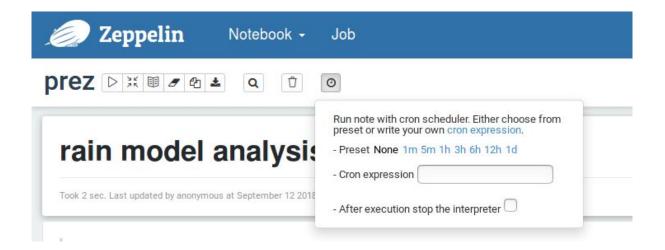
```
■ SPARK JOBS FINISHED D ※ 国 ②
 %spark
 val max year = z.select("max year", Seq(
     ("", "all"),
     ("2000", "2000"),
     ("2005", "2005"),
     ("2010", "2010")))
 if (max_year != null && max_year != ""){
     z.show(real.where(s"year <= ${max_year}"))</pre>
 } else {
     z.show(real)
max year
  all
max_year: Object = ""
                                            settings •
                                                                                                           sum(rain)
    1,475
    1,400
    1,300
    1,200
    1,100
    1,000
     900
      826
       1997
                            2000
                                          2002
                                                        2004
                                                                      2006
                                                                                    2008
                                                                                                 2010
                                                                                                               2012
                                                                                                                      2013
```

Took 1 sec. Last updated by anonymous at September 12 2018, 11:57:14 AM. (outdated)



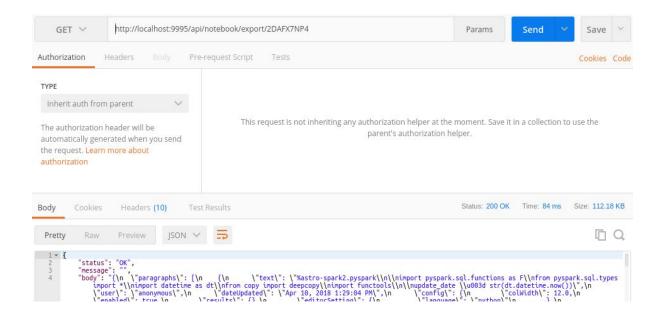


1. schedule



1. schedule

2. REST API

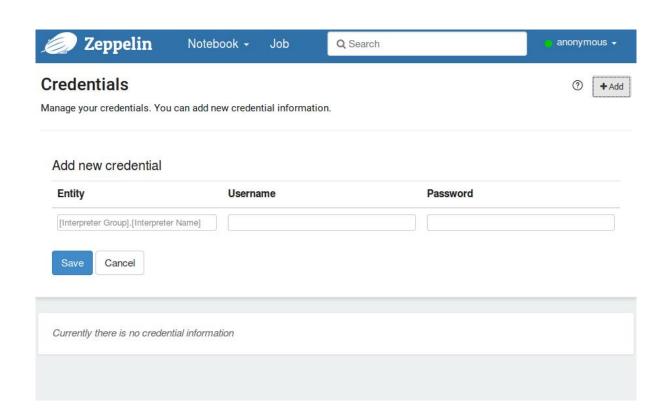




- 1. schedule
- 2. RESTAPI
- 3. Secure
 - o login



- 1. schedule
- 2. REST API
- 3. Secure
 - o login
 - manage interpreter credential







Q Search

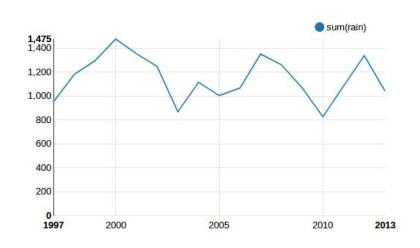
anonymous -

prez 🗅

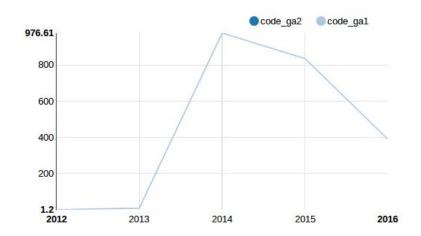




rain model analysis



Job





Thank you

Any questions?

