

#### Institut Mines-Télécom



## **MOOC PILOT**

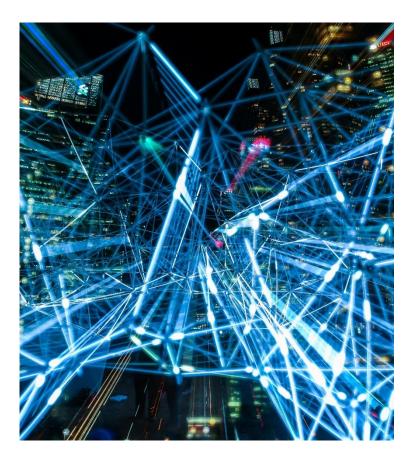
## A YEAR ON - STILL SAILING !

https://bit.ly/2Te1I0n

**Laurent David** 



#### YATT (YET ANOTHER ANALYTICS TOOL)?: NOT QUITE ! MOOC Pilot: Reporting from the teacher's perspective



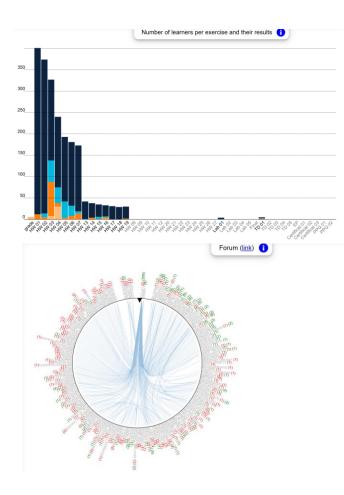
# Learning analytics and reporting: how define its usages ?

- Hard to pinpoint in a generic way
- Opening the Pandora box ?
- Top down approach never really works
- Off-the-shelf solutions are too often restrictive.
- MOOC Pilot, a teacher-centered approach:
  - How to handle a huge quantity of grades.
  - How to visualize grades in a meaningful way.
  - How to visualize students' progression





28/03/2019



## Why?

Because, we need:

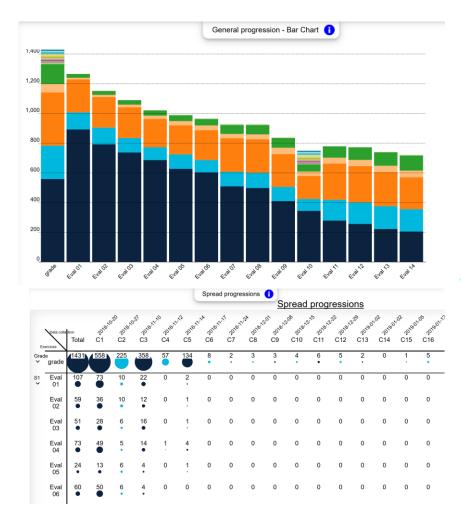
- To see what is happening in a course
- To see student's progression
- To understand where students are failing, are in difficulties, are dropping out
- To follow (a particular set of) student(s)
- To see which parts of the course works/does not work







#### **MOOC PILOT: GETTING STUDENT'S PROGRESSION RIGHT MOOC Pilot: Reporting from the teacher's perspective**



### How?

- Through graphs, getting sense of progression throughout the course
- Keep it simple
- Based on reports a teacher/staff can get from edX
- **Useful (not fancy)** visual representation
- **General to specific: Dig down** and compare

## What ?

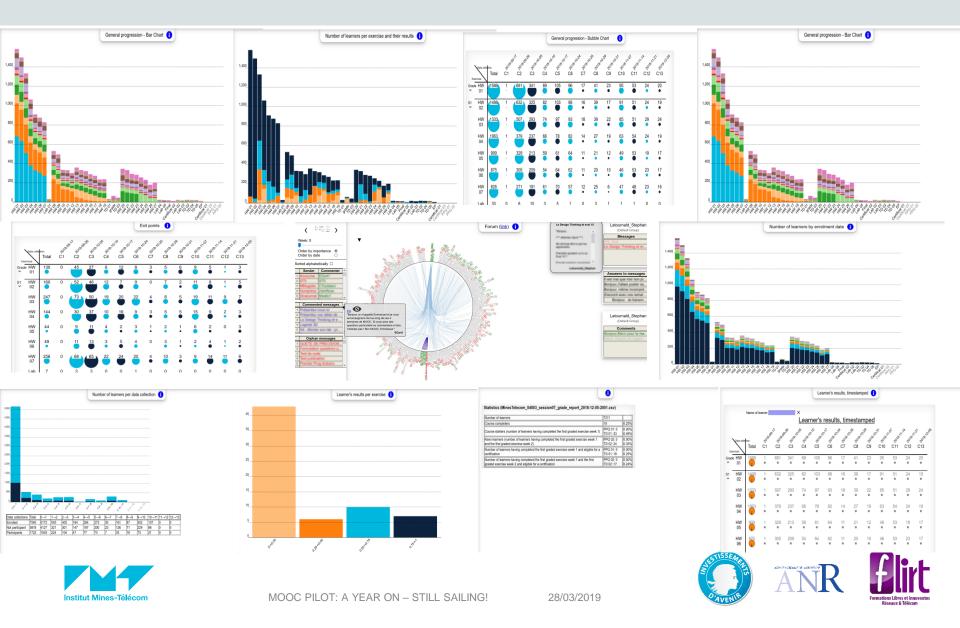
- A tool to follow the progression of all my students, either globally or by cohort
- Simple graphs
- Time progression based on grades report
- Forum monitoring
- More than <u>nine</u> graphs/tools based on grade report from edX



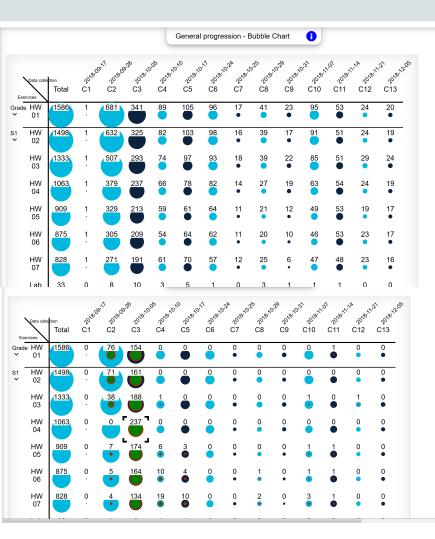


### MOOC PILOT: USAGE SAMPLE

The tools...



#### MOOC PILOT: USAGE SAMPLE MOOC Pilot: The overall data around students' engagement



### So what can I get?

MOOC Pilot is a tool designed to present in a friendly way the students' results and achievement over a period of time.

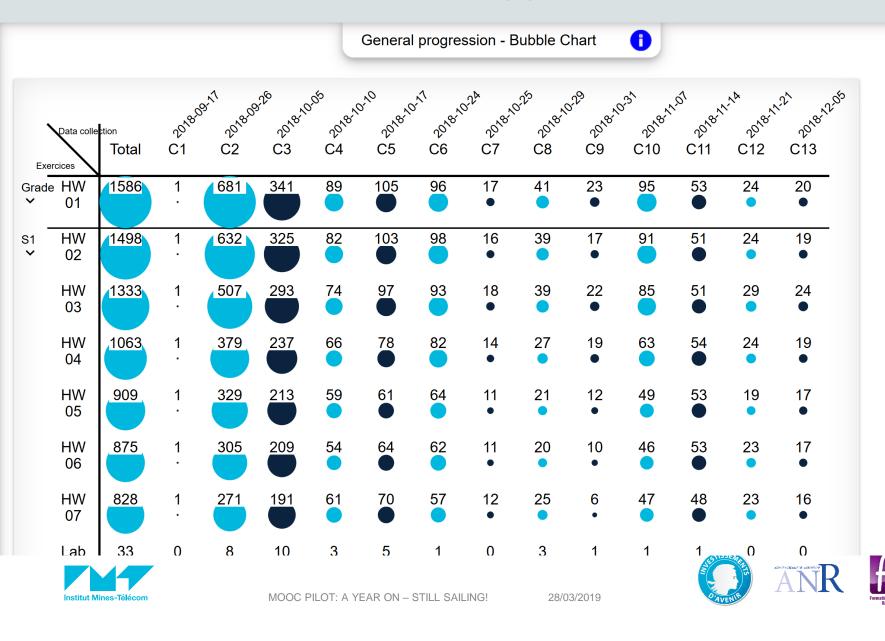
#### Student's progression, group's progression



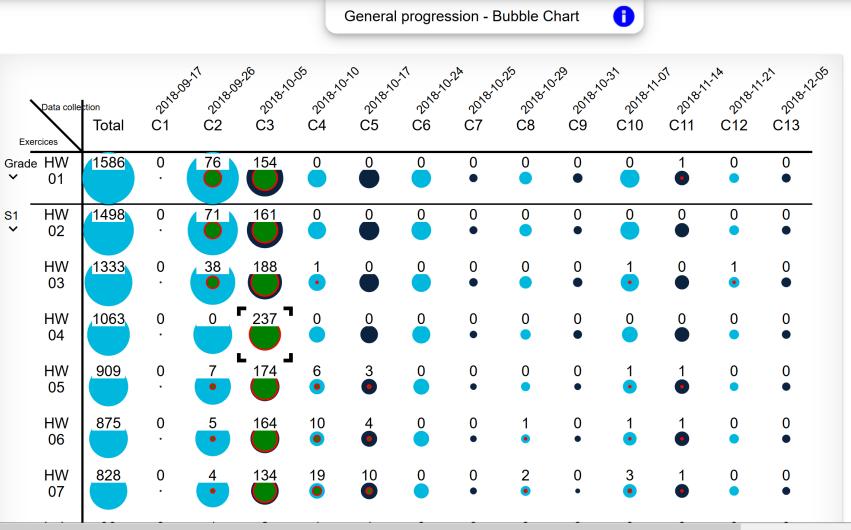
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#### **MOOC PILOT: USAGE SAMPLE MOOC Pilot: The overall data around students' engagement**



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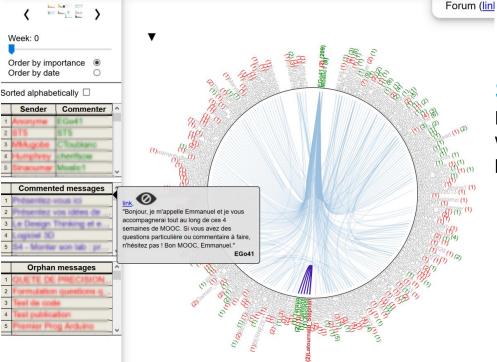


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#### MOOC PILOT: USAGE SAMPLE MOOC Pilot: Visualization of forum interactions



### So what can I get?

MOOC Pilot is a tool designed to present in a friendly way the students' results and achievement over a period of time.

The overall data around students' engagement

Visualization of forum interactions

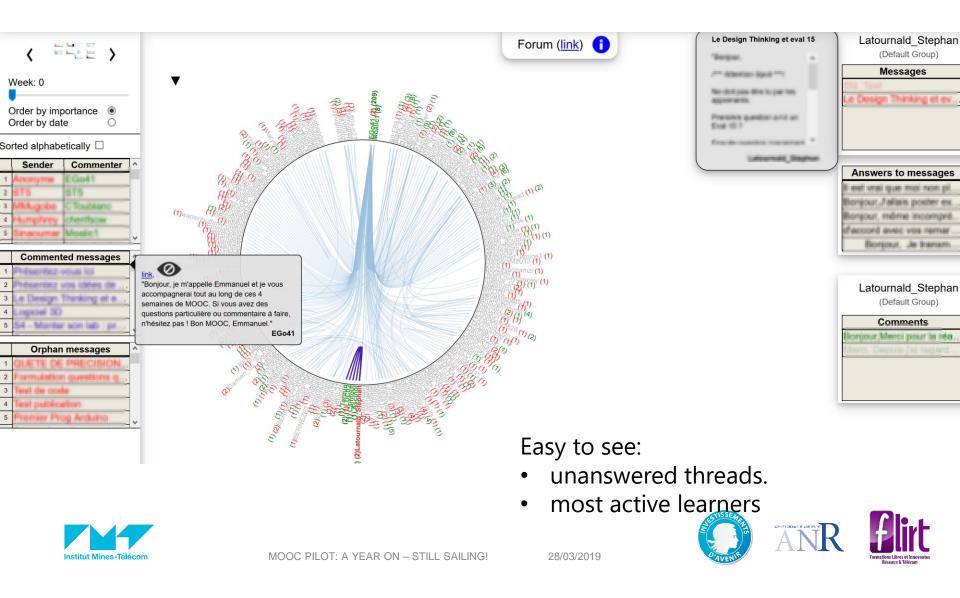


TITRE DE LA PRÉSENTATION - MENU « INSERTION / EN-TÊTE ET PIED DE PAGE »





#### MOOC PILOT: USAGE SAMPLE MOOC Pilot: Visualization of forum interactions



## **MOOC Pilot will soon be 3 years old :**

- **Hungry Toddler**! Swallowed around 70+ MOOC on edX and France Université Numérique.
- > A demonstrated usage, a community of enthusiasts, lots of useful feedback !
- **Need more toys !** More needs and use cases expressed to be answered.
  - Better integration: direct access from edX instructor's dashboard
  - Aggregating information for other use (and users)
  - End of MOOC recap data
  - One level Up: comparison between different courses, learners who are enrolled on several MOOC
  - Act on data: Select all students within a grade range and send a mail to them (for students who are failing, or overachieving students)







# Our plans, your plans ?

## **Our plans:**

- **Rewrite** with some technologies more familiar with edX community (Django/Python/ReactJS)
- Better integration within edX
- **More graphs**, more output (see previous slide)

## **Need Help!**

- How to integrate this easily in edX? Integrate or link it through edX dashboard other initiatives ?
- Need: More Guidance and maybe a framework/blueprint directed toward integrating dashboard.
- Contribute ! We need you ! See you for the Developer submit (project "O").







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## **THANK YOU**

## MOOC PILOT - A YEAR ON AND STILL SAILING !

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