

flux de donnees visuel ouvert

1. *Charles Boisvert, Sheffield Hallam University*

2. Eduquer a la programmation

- La programmation visuelle, c'est quoi?
- Remettre a plat l'enseignement informatique

Current work

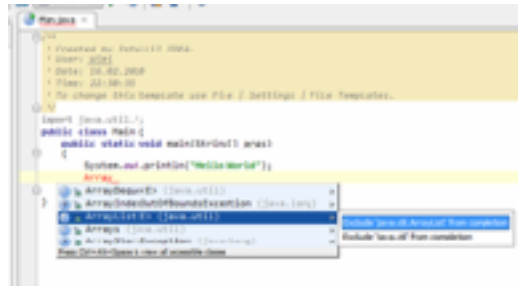
Big data's Hiroshima moment

Data-centric programming paradigms

1. Open Piping: demo

VP in Ed: some successes

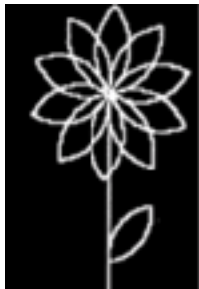
Hypercard



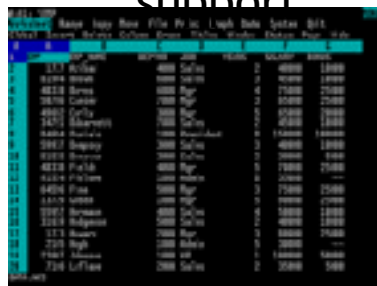
Real time
analysis / coding
support



Scratch



Logo



Spreadsheets
(functional
programming)

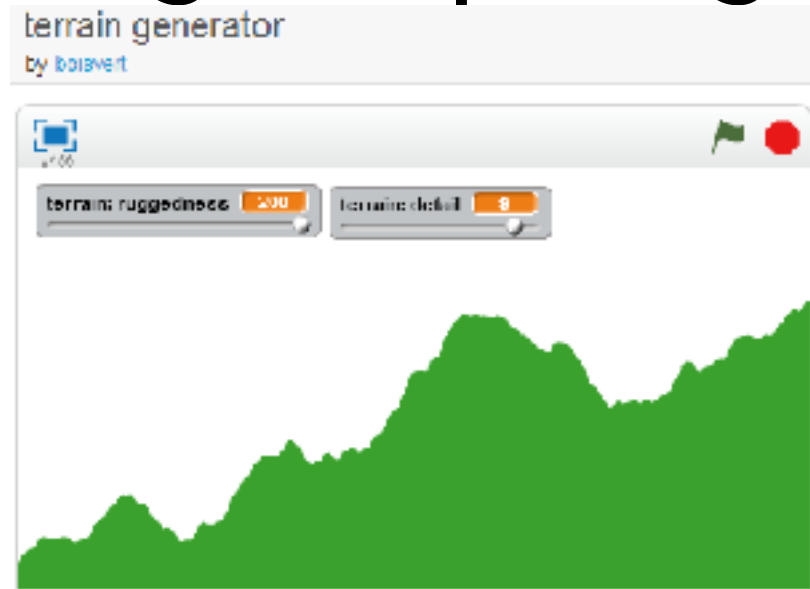
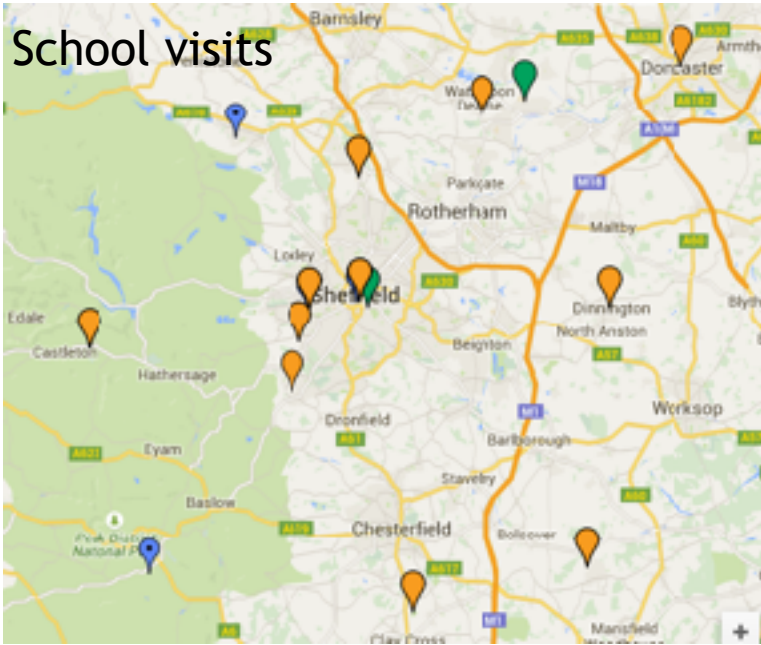


Alice

Are they visual? Yes... No... Maybe... Sort of... Do we care?

A user-friendly representation of processes, distinct from code and from end-results.

VP in Ed: rebooting computing Ed

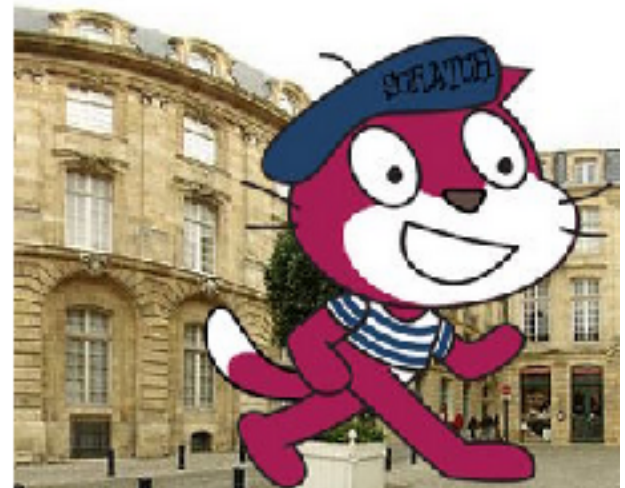
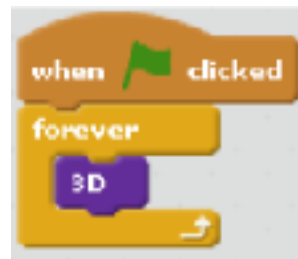


Scratch2017BDX

Opening, Inspiring, Connecting



Resource development



scratch.mit.edu/users/boisvert/projects

But... I teach data



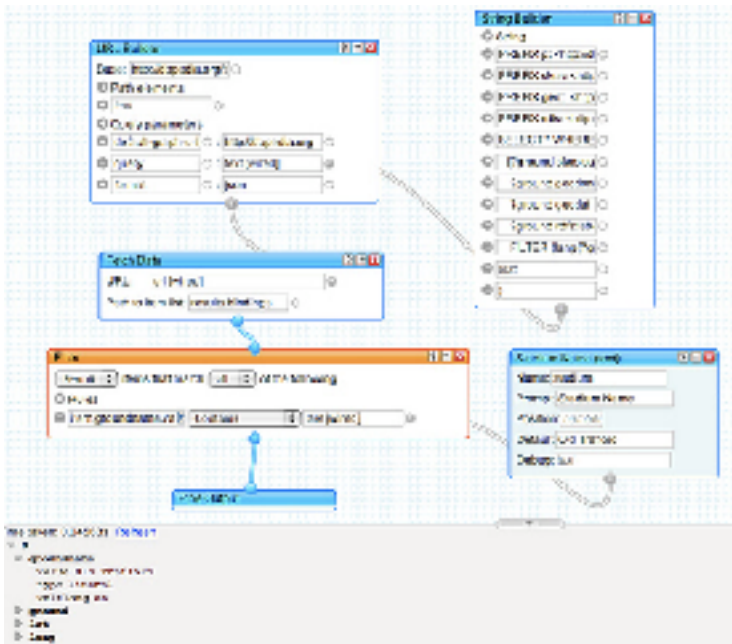
Sa vie elle
ressemble a ces
soldats sans
armes
Qu'on avait
habilles pour un
autre destin
A quoi peut leur
servir de se lever
matin
Eux qu'on
retrouve au soir
desarmes
incertains

Louis

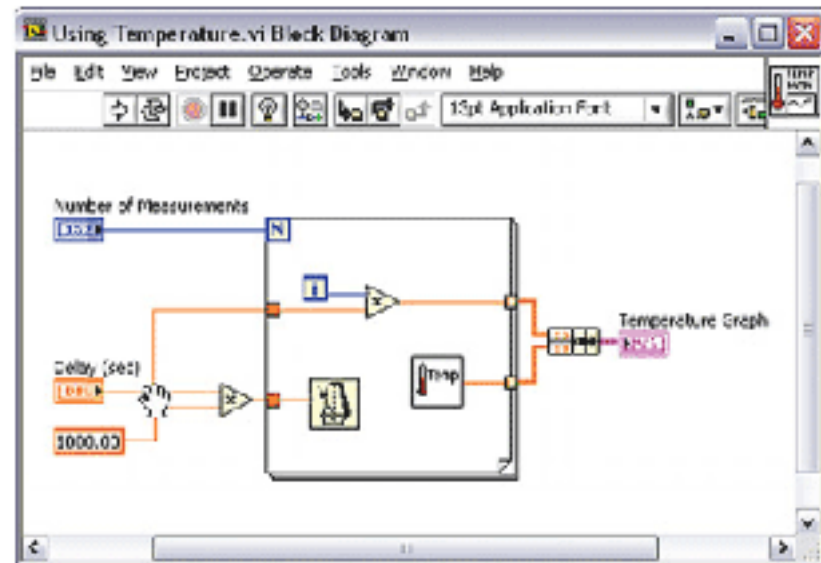
Aragon

Education to the use of data is urgent: our informational tools are being made into weapons against us

Data flow approaches to programming



Many good tools, but
proprietary limits



Data flow approaches to programming

<http://boisvertwv.cluster021.hosting.ovh.net/openpiping>