Early Fluffy Experience

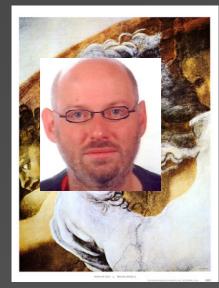
"Very excited about this idea - mainly because it's the first I've had in a year that actually worked."

Early Fluffy Experience

"Very excited about this idea - mainly because it's the first I've had in a year that actually worked."

-- Dr Elias Gyftodimos

Guided Research





Protective arms of "Doktorvater"

Trusted Sidekick

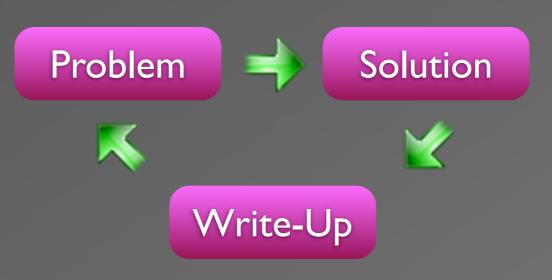
Guided Research





Protective arms of "Doktorvater"

Trusted Sidekick



Into the Wild



Field has "matured" Time to do "something new" "What do you wanna do?"

Sidekick gone over to dark side

Life After PhD

A personal account

Money

"There's gonna be money..."



"Post-Docs are expensive..."

FWO, IWT etc

Scary!

Topics

Follow up on previous work

One cluster



Break with previous work

Branch out

Follow your fancy

Freedom!

Topics

Follow up on previous work

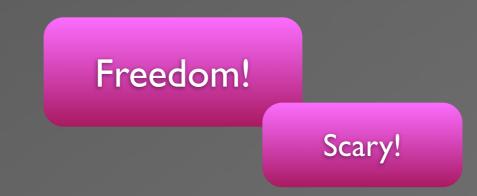
One cluster



Break with previous work

Branch out

Follow your fancy



(Potential) Collaborators

Doktorvater

Post-Docs from the group



Visiting researchers

Fellow PhDs

People that work on your topics

People within projects you work in

<u>Random</u> people you

meet

Conferences/ Receptions

What I've been doing -Stillborn MSc Thesis

Idea: basketball success depends on coach/ system, teammates Personal topic

Method: hands-on - collect data, unleash Tilde Personal style

Result: demotivated student, weak supervision, no useful outcome

Personal disaster!



What I've been doing -POM

Prognostic maintenance: predict machine maintenance based on sensor readings

Real-life data, real-life application

Exciting possible direction

Real-life problems: NDA, extreme sparsity, unfortunate noise/signal ratio

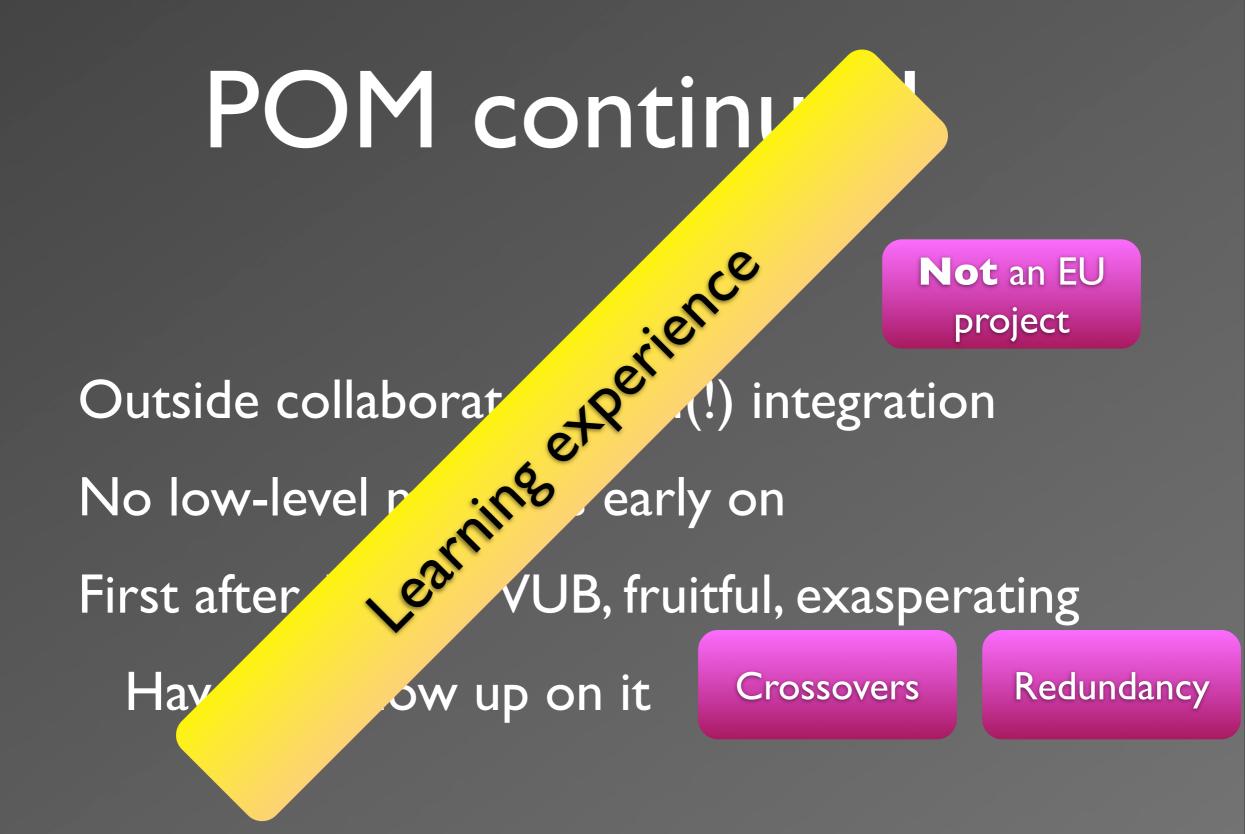
Money aspect

What I've been doing -**P**(oreat Net ct machine Prognostic maintenap didn't work maintenance based sor readings Exciting possible application Real-life data, r direction . NDA, extreme sparsity, Real-life p se/signal ratio unfortu Money aspect

POM continued

Not an EU project

Outside collaborators, real(!) integration No low-level meetings early on First after I year - VUB, fruitful, exasperating Have to follow up on it Crossovers Redundancy



What I've been doing -Sanity Checker

VUB idea:

Surprise collaboration

Sequence of events, decide on correlation/ causation by evaluating distribution time delays

Born from/compared against episode mining

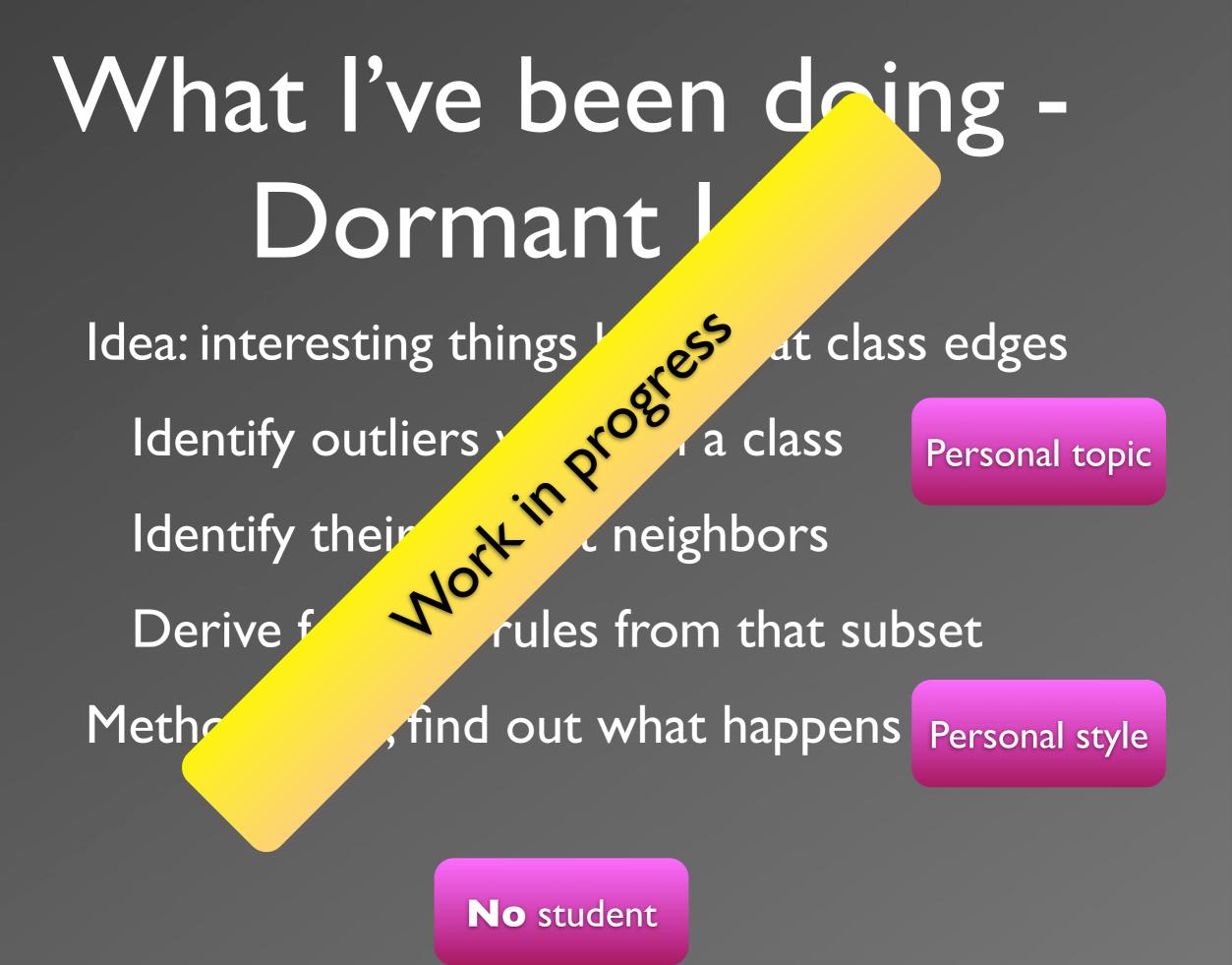
UAI submission



What I've been doing -Dormant Idea

Idea: interesting things happen at class edges Identify outliers within in a class Identify their nearest neighbors Derive features/rules from that subset Method: do it, find out what happens

No student



What I've been doing -Milking the Thesis

Tutorial (even tho I didn't give it) Attempt at writing a book (w/the collaborators of my PhD time)

Being invited to indoctrinate students



Do we need exact pattern mining?

It's problematic!

Exact mining:

Potentially expensive matching (on potentially huge data sets)

Exploring full enumeration space

Thomas: Sampling to get rid of this

Elisa/Baptiste: Simpler patterns to make feasible

Clues that we might not

For classification top-scoring doesn't matter Randomly patterns are useful (MLers know this already)

Patterns often unstable w.r.t. data changes

Maybe time to say good-bye

Luc has been saying this for years:

Anytime, almost optimal patterns might be what we should look for

Extend "best patterns according to..." with "within 6 hours"?