Clouding Around with an iPad

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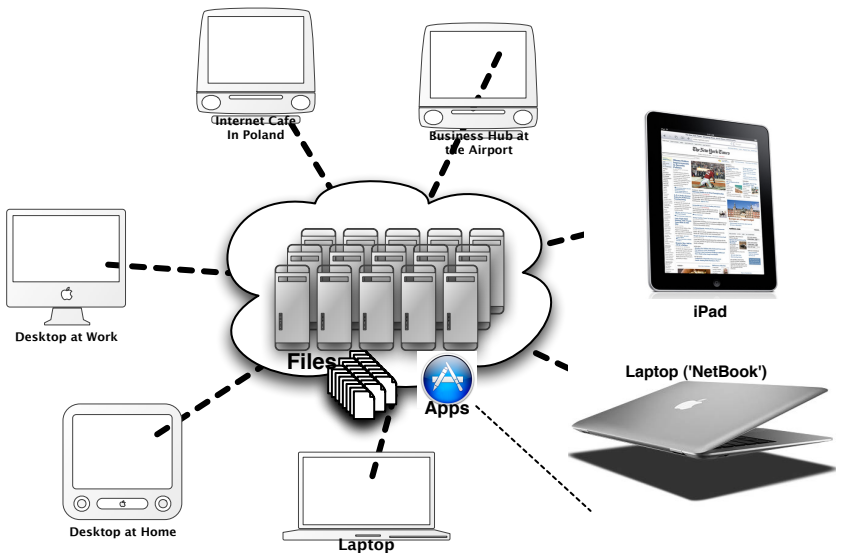
Department of Economics



MONASH University
Business and Economics

Cool Tools Workshop: Monash University, 10 Feb 2011

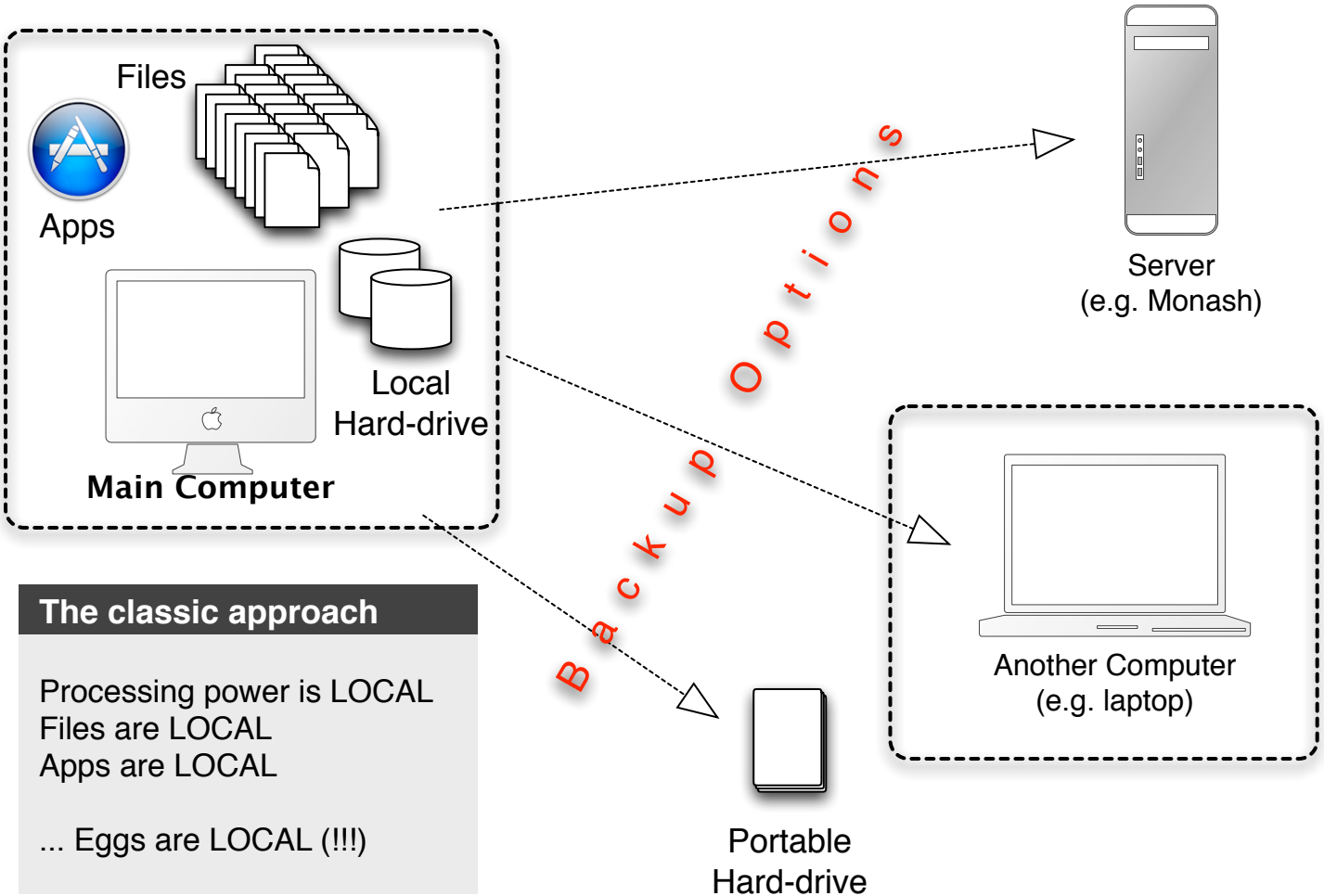
Agenda

A// Everything old is new again: the cloud way of computing

B// Some (clouding) productivity tools for iPads

C// Teaching with an iPad -- still waiting for the great leap forward?

A// How you probably learnt to use a computer



The classic approach

Processing power is LOCAL
Files are LOCAL
Apps are LOCAL

... Eggs are LOCAL (!!!)

A// Weighing up classic ...

Classic is great if ...

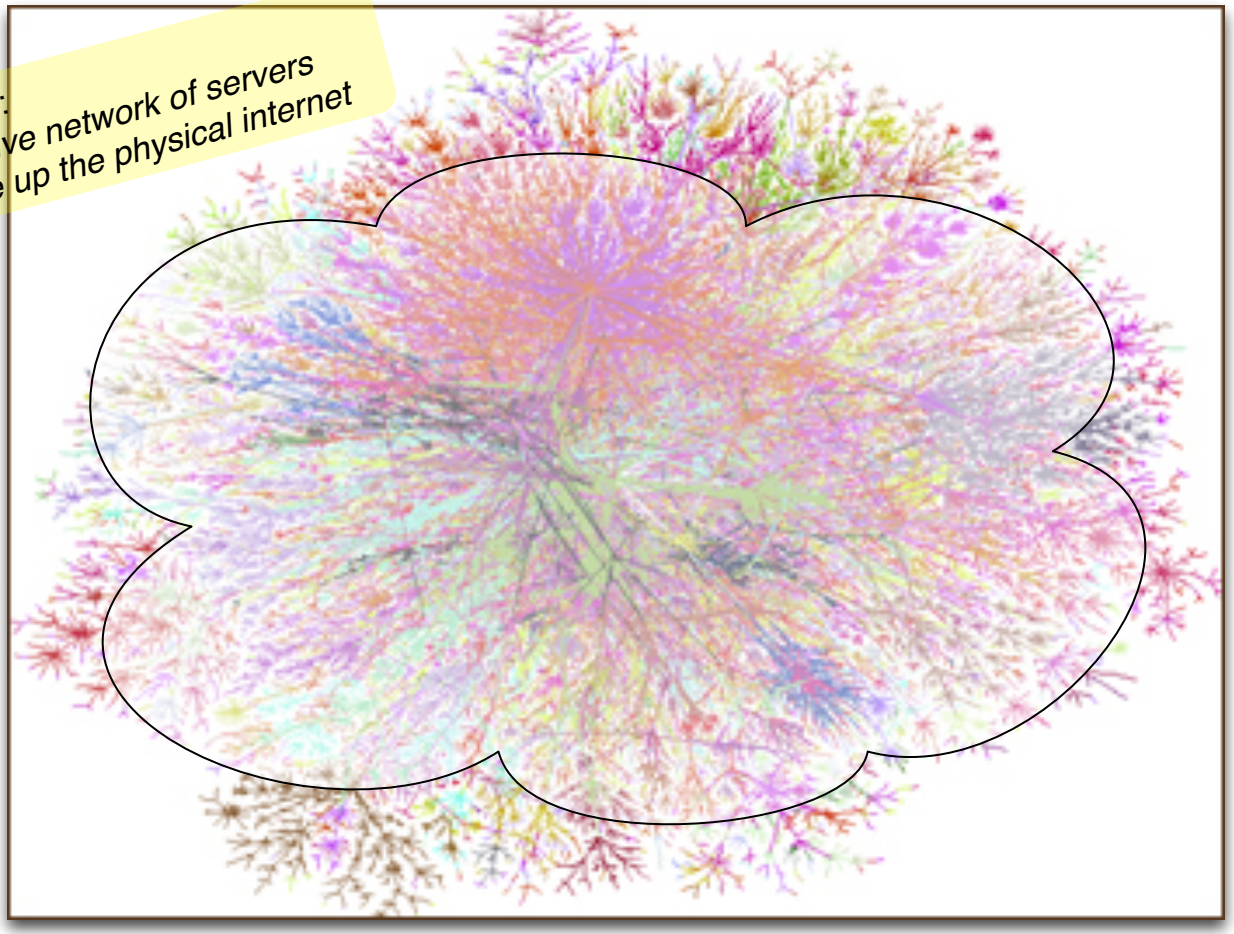
- You only really work on one terminal ever (i.e. you work at 'work', and never anywhere else)
- You are good at being pro-active in setting up backups
- You are happy to own a powerful (= fast CPU, lots of Memory = HEAVY) laptop

Classic is pretty crazy if ...

- You work: from home, on the bus, on the train, on the plane, at Mama Duke's, beside your 1 y/o's cot, in Warsaw, in Cairo ...
- You don't necessarily trust yourself to be diligent with backups
- You like to travel light and fast without a humungous laptop
- You work on multiple computer platforms (Windows/Mac/Linux)

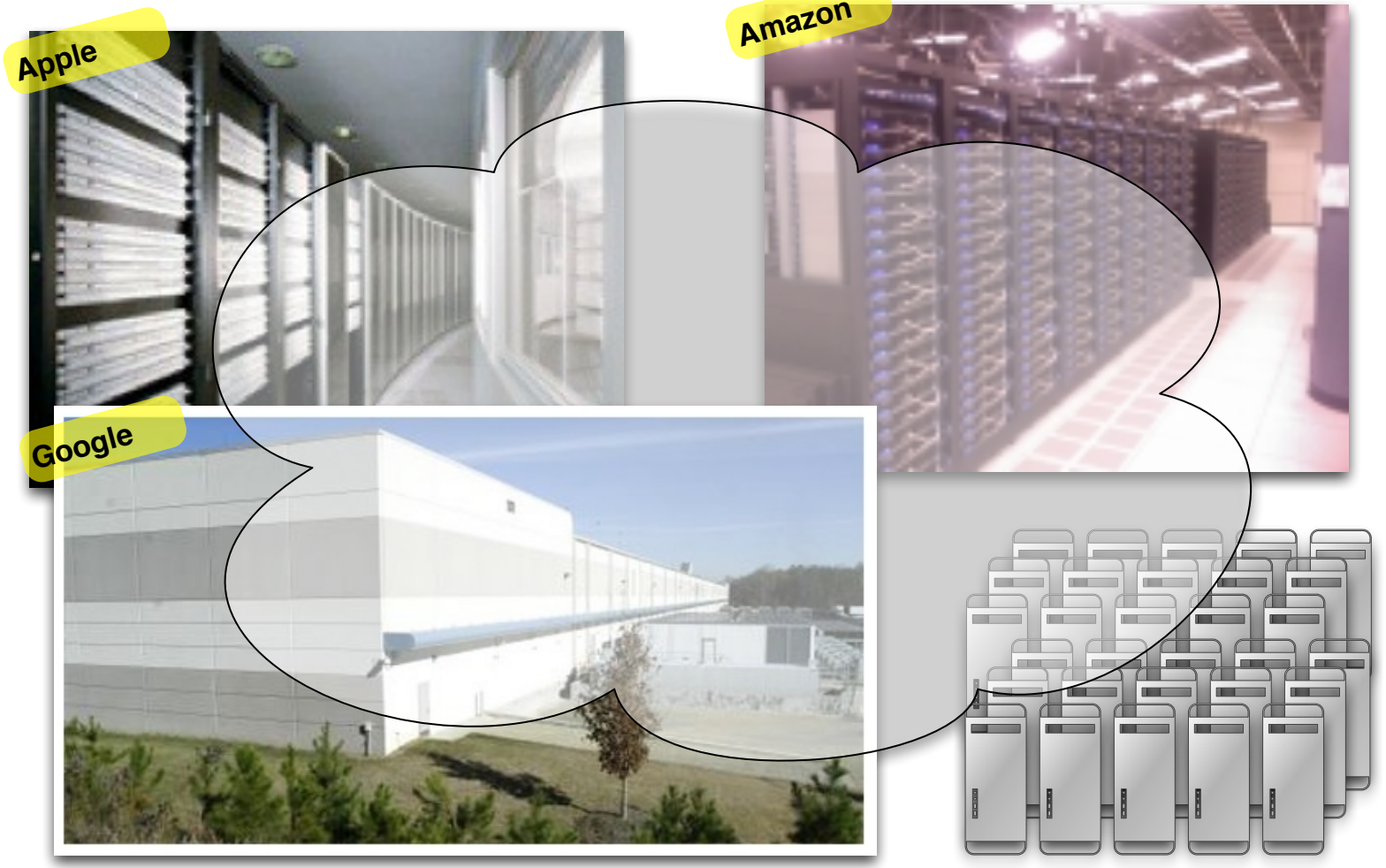
A// Enter 'The Cloud'

The Cloud:
The massive network of servers
that make up the physical internet

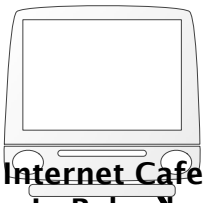


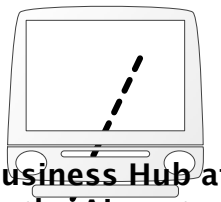
Network Traffic Map .. Each Node is a server, each is a flow of data
Source: http://www.beyondthemap.ca/english/explore_web.html

A// What is 'The Cloud', really?

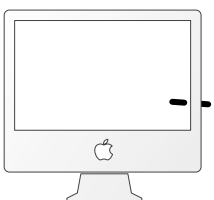


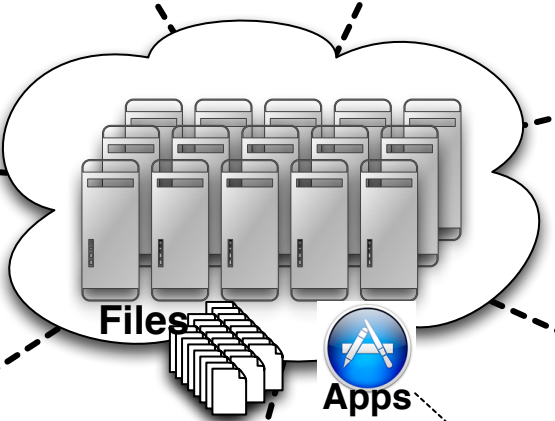
A// What is 'Computing with The Cloud'? (enter the iPad...)

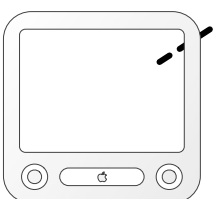




The new wave:
No longer 'computers' but 'terminals' or 'windows' on The Cloud

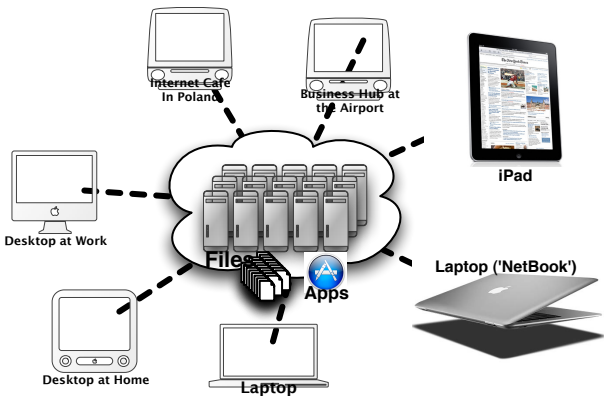






Yes, even software:
e.g. Google Docs

A// What's so great about Computing Like this?



Everything old is new again?
Welcome (back) to the UNIX operating environment!

Consider the benefits ...

- You can work pretty much wherever you can get the internet (increasingly ubiquitous)
- Your files are 'guaranteed' on server farms (global armageddon?)
- So ... your netbook/iPad/desktop is expendable (spill the coffee with impunity)
- Processing power is non-local, so can be distributed and vast
- Updating software happens centrally, not locally
- The cloud (generally) knows no OS boundaries

A// And so ... the iPad: the ultimate window?

Data generation:
Pretty difficult -- this is a WINDOW device really, not a data generation device (email excepted?)

Software:
'Apps' distributed centrally by the Apple iTunes Store

iPad

The 'App World':
You don't access your central 'files' and use software to manipulate them....

No, you tap on 'Apps' which have their own files (you never see where) in silos. You can send stuff between apps.

Memory:
Small, and purposely backs up to The Cloud or your computer

Sharing:
Every app has a way to send/post/email your stuff to a colleague -- very very useful

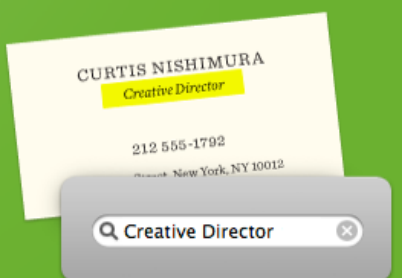
Networking:
Central to the device: wireless or Mobile-broadband .. assumption is you are regularly (if not always) connected

B// Some (clouding) productivity tools for iPad: Evernote

EVERNOTE

http://www.evernote.com/

Remember everything.



Capture anything.

Save your ideas, things you like, things you hear, and things you see.

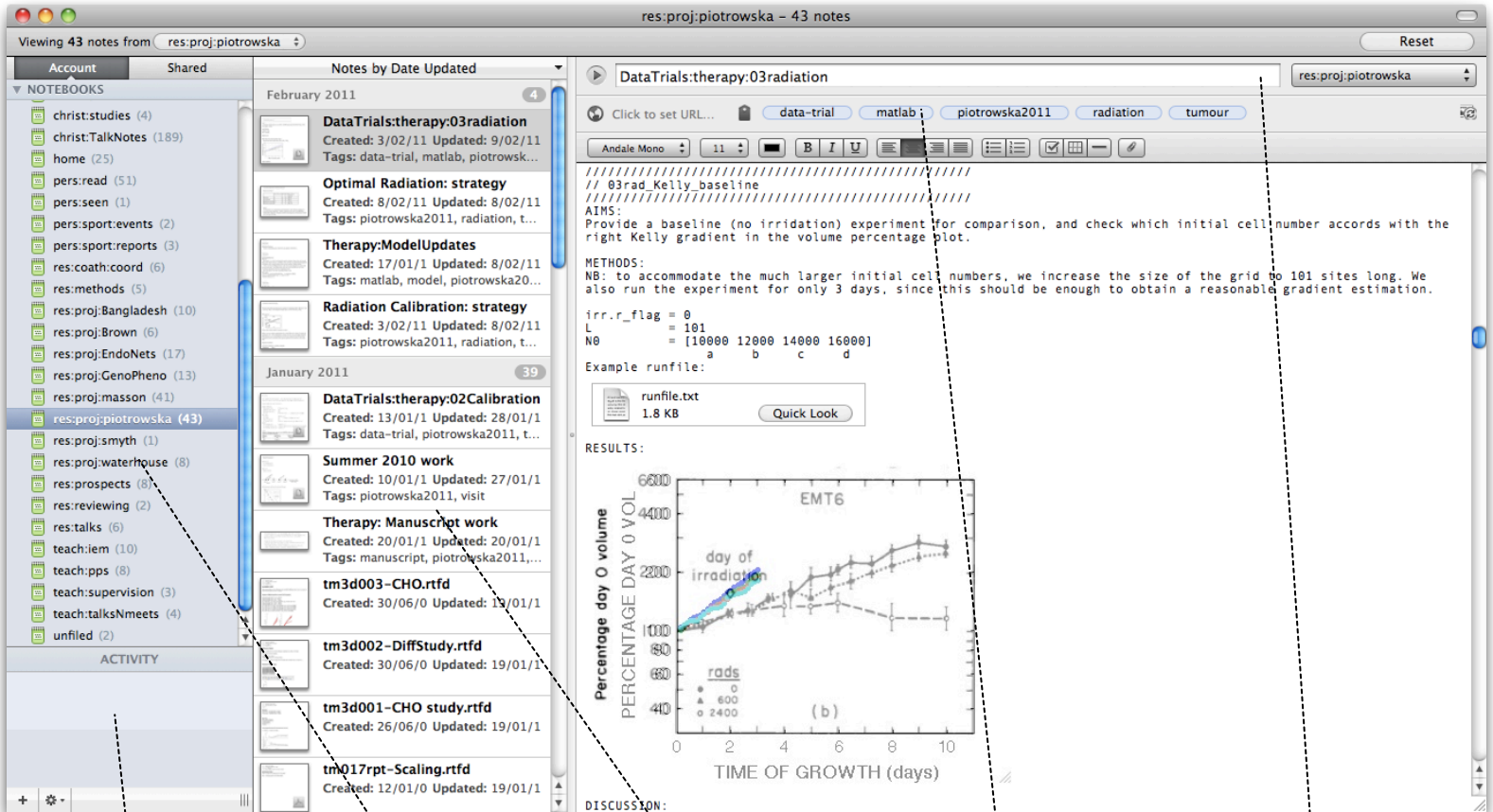
Access anywhere.

Evernote works with nearly every computer, phone and mobile device out there.

Find things fast.

Search by keyword, tag or even printed and handwritten text inside images.

B// Some (clouding) productivity tools for iPad: Evernote



Syncs with The Cloud:
Every 15 min

Collections:
Group notes by major topic/area

Notes:
Can be plain-text, include files, sound, movies

Tags:
Add for searching

Version History:
Keeps a record of all changes (in the cloud)

B// Evernote on iPad

iPad 15:29 58%

Home | res:proj:piotrowska | Search notes...

43 notes in "res:proj:piotrowska"

FEBRUARY 2011 | View options

DataTrials:therapy:03 radiation
Today, 2:09 PM
data-trial, matlab, piotrows...

Optimal Radiation: strategy
Yesterday, 12:59 PM
piotrowska2011, radiation,...

Therapy:ModelUpdates
Yesterday, 12:39 PM
matlab, model, piotrowska...

Radiation Calibration: strategy
Yesterday, 10:54 AM
piotrowska2011, radiation,...

JANUARY 2011

DataTrials:therapy:02 Calibration
28/01/2011 4:52 PM
data-trial, piotrowska2011,...

Summer 2010 work

DataTrials:therapy:03radiation — Details

// 03rad_Kelly_baseline_r1

AIMS:

Based on the previous baseline, some calculations show that in order to get the Kelly gradient, we would need to set the initial number of cells to 50,000 (!). However, since we were fitting well before, the change to the code to give initial HRS values as a random uniform distribution up to total cycle hrs has a material and bad effect on the code. Hence, here we repeat, with the change to the code reversed (initial cells have 0 hrs) and run again with a smaller window of initialisation numbers since we anticipate a closer fit.

METHODS:
int_flag = 0
L = 101
n_days = 3

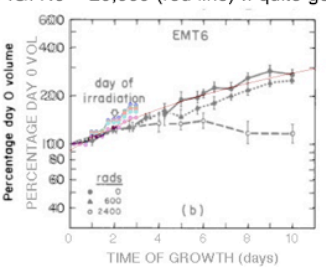
N0 = [10000 11000 12000 14000 20000]
a b c d e

RESULTS:
Gradients:
a 29.53
b 27.06
c 25.96
d 23.36
e 18.78

Fit: y = -1.477x + 43.83

So to get a gradient of 15, would need x = 19.52, or ~ 20,000 cells initially.

FIG: N0 = 20,000 (red line) .. quite good.



DISCUSSION:

New note

B// Some (clouding) productivity tools for iPad

Clouding File Repository

Dropbox

http://www.dropbox.com/

Email, Apps, Calendar, Todo

Google docs

http://docs.google.com/

Google Docs integration

Documents To Go® Featuring InTact Technology™

http://www.dataviz.com/products/documentstogo/

Google Calendar integration

CalenGoo

http://calengoo.dgunia.de/

Non-Cloud (soon?) Academic Productivity Apps for iPad

Read, annotate, import, email your papers library

Papers

http://mekentosj.com/papers/

Things .. as in, Todo

Things

http://culturedcode.com/things/

iPad
10:41
24%
Apple - iPad - Apps for iPad
www.apple.com/au/ipad/apps-for-ipad/
Google
iPad
Features
Design
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Apps for iPad
Gallery
Guided Tours
Tech Specs
Buy Now
Would the useful iPad Lecturing App please stand up?
A groundbreaking device.
With thousands of apps to match.
Apps on iPad look and feel like nothing you've ever experienced.
They're available in virtually every category. And more are coming every day.
Dr Simon Angus
Economics, Monash University
Flipboard
The App Store
AmpliTube for iPad

Mobile Presenter
20101026_BERN-SeminarALTC.pdf
My Address: http://10.0.1.2:8080
0607_IntroToABMs.pdf
20101026_BERN-SeminarALTC.pdf
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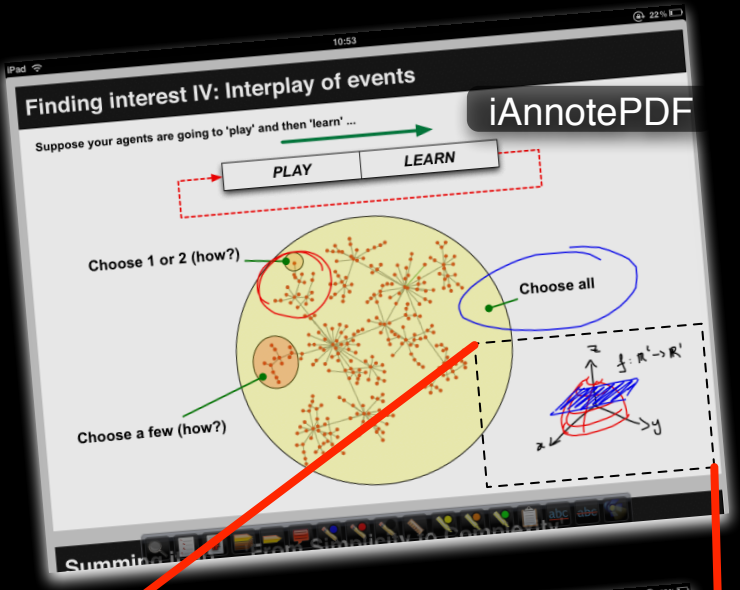
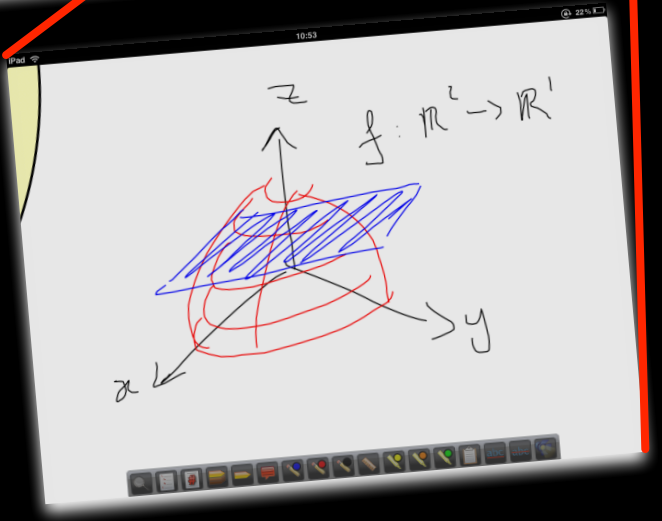
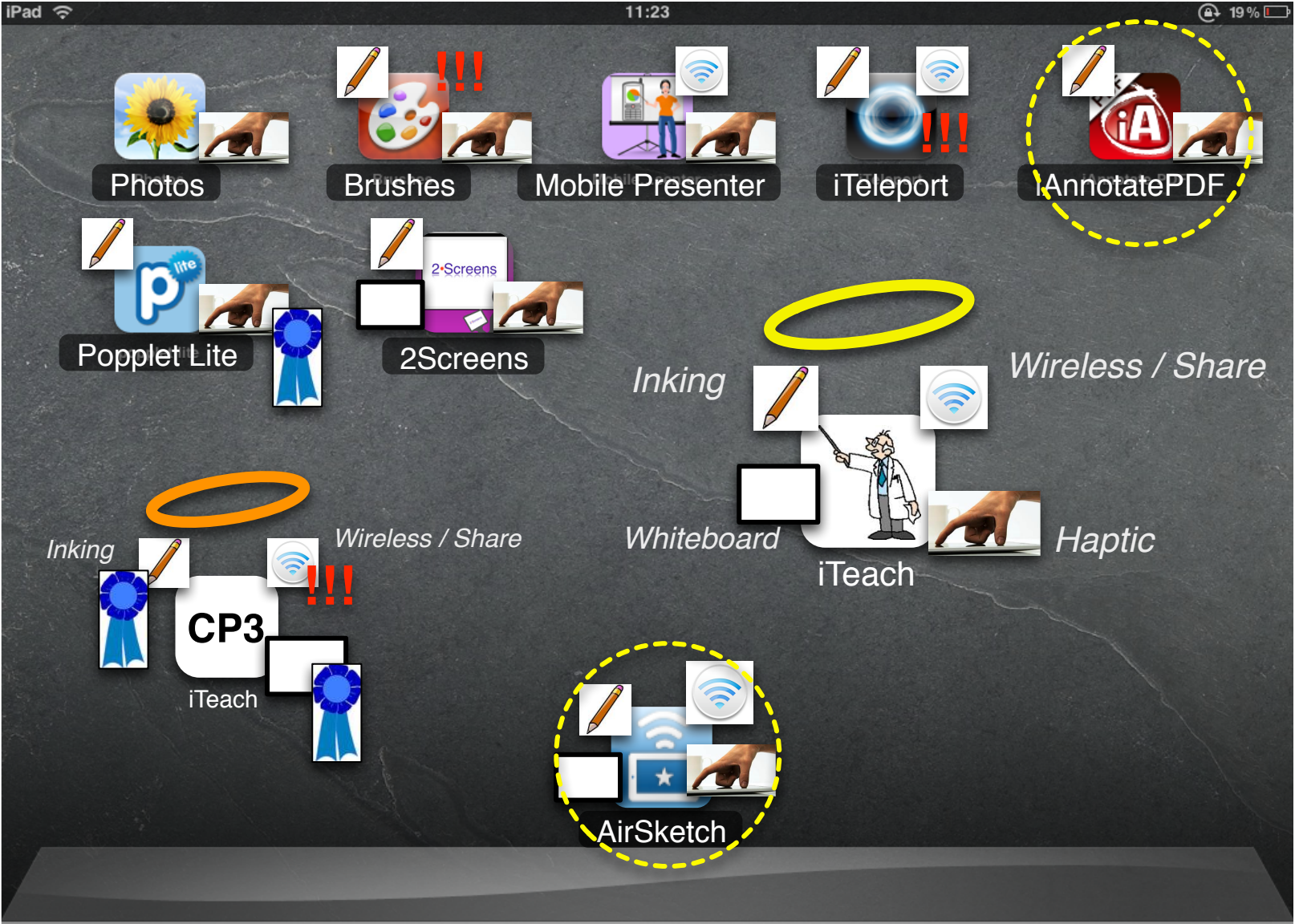

iAnnotePDF
Finding interest IV: Interplay of events
Suppose your agents are going to 'play' and then 'learn' ...
PLAY
LEARN
Choose 1 or 2 (how?)
Choose all
Choose a few (how?)

Brushes
Milk With New Pogo Sketch
PURA
Milk
Milk Still-Life


z
y
x

my name is Simon, I'm about 4 yrs old
iTeleport
my name is Simon, I'm about 4 yrs old
LECTERN COMPUTER


iPad
11:23
19 %
Photos
Brushes
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Mobile Presenter
iTeleport
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iAnnotatePDF
Popplet Lite
2Screens
2·Screens
Inking
Wireless / Share
Whiteboard
Haptic
iTeach
Inking
Wireless / Share
!!!
CP3
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AirSketch