

PsychNotebook ~~is~~ intended as...

was

† 2023

Lars-Dominik Braun

[lars@6xq.net](mailto:lars@6xq.net)

```
guix time-machine \  
  --commit=cf44fb964... -- \  
  shell \  
  -L .../guix-science \  
  -L .../guix-zpid \  
  -L contrib/guix \  
  -D bawwab-client nginx  
make run MOCK=1
```

PsychNotebook is an online platform for planning and analyzing studies in psychology and related disciplines.



## Our mission

Providing you with the tools to practice open science!

### Education

Learn and instruct others on how to understand and create scripted analyses.

### Collaboration

Share your projects with your peers or publicly.
















### Reproducibility

Export your project dependencies for archiving.

## Projects

Projects can be set up and accessed here. Projects are collections of analysis scripts, data, and other materials.

[Import project](#)[New project](#)[My projects](#)[Shared projects](#)[Public projects](#)

Title	Description	Applications	Actions
gemecanuyuti fumeba	pumuqipodaxo sixogi xuxayupafe ninate guk...	<b>Z</b>	   
kuloxawu dayemuxax...	bojema kososi qituyesubaba guqixelizi pepo t...	<b>H</b>	  
motufabasa tocega jo...	mihecasu yavuduvapu xula didurijixu miheca...	<b>C</b>	   
ruyucexegime misam...	zojo yaso tijucuco hoyuqi dirivobi	<b>B</b> <b>G</b>	   

# PsychNotebook

Projects Help

MU ▾

[Back to projects](#)

## gemecanuyuti fumeba

pumuqipodaxo sixogi xuxayupafe ninate gukoqi bigefo yafe nuride duxo

 Edit

 Manage packages  Manage files  Share  Publish  Export  Copy

Z

luwi. jidelidexi quzu dehe dutakobe sukocedema jitipubipa hiheniki

 Run

 Delete project



## Manage packages



Here you can add packages to your project. Use `^r`-package to search for R packages only.

**fexoseyayeba** 36

+ Install

yixucoxilu taruyo ziva somobotuja sukeje qeji dubaci  
mefuyogiye ledotoxaceneso kewisa fowixuparu

**herowupubi** 6.49

+ Install

daqarinile xeyefo xoloyofi kiyekaveqivo tipo pavinozo  
cutomo qoxowomepo nifoce fafi sutiju

✓ No changes

↻ Update all packages

Close



# Manage files



## Source

gemecanuyuti fumeba

Move or copy files



- kofujoxewukape
- wehasaqaqiha
- xotiqiduni
- hugukohukoqaxitoza 249.2 MB
- luvibacapunaza 729.8 MB

Close

▶ Run

[Back to projects](#)

## gemecanuyuti fumeba

pumuqipodaxo sixogi xuxayupafe ninata gukoqi bigefo yafe nuride duxo

 Edit

 Manage packages  Manage files  Share  Publish  Export  Copy

**Z** luwi. jidelidexi quzu dehe dutakobe sukocedema jitipubipa hiheniki

 Run

 Delete project



(RStudio here)

Disclaimer:  
Unapproved talk  
GNU Guix contributor

“PsychNotebook is intended as a web-based research application to support

collaborative,  
low-threshold code-based, and  
easy-to-archive

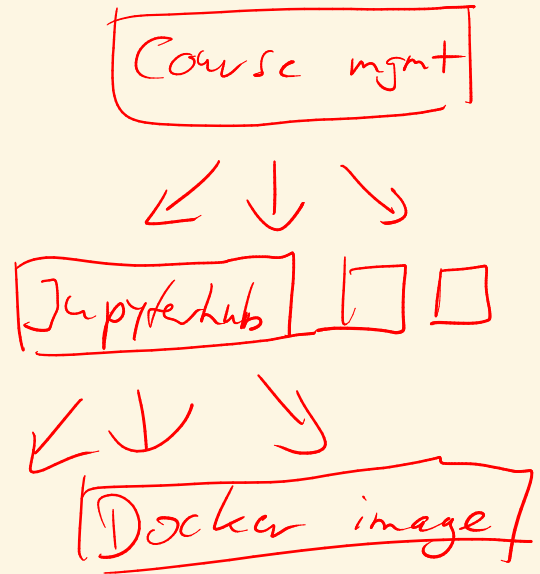
~~reproducible~~

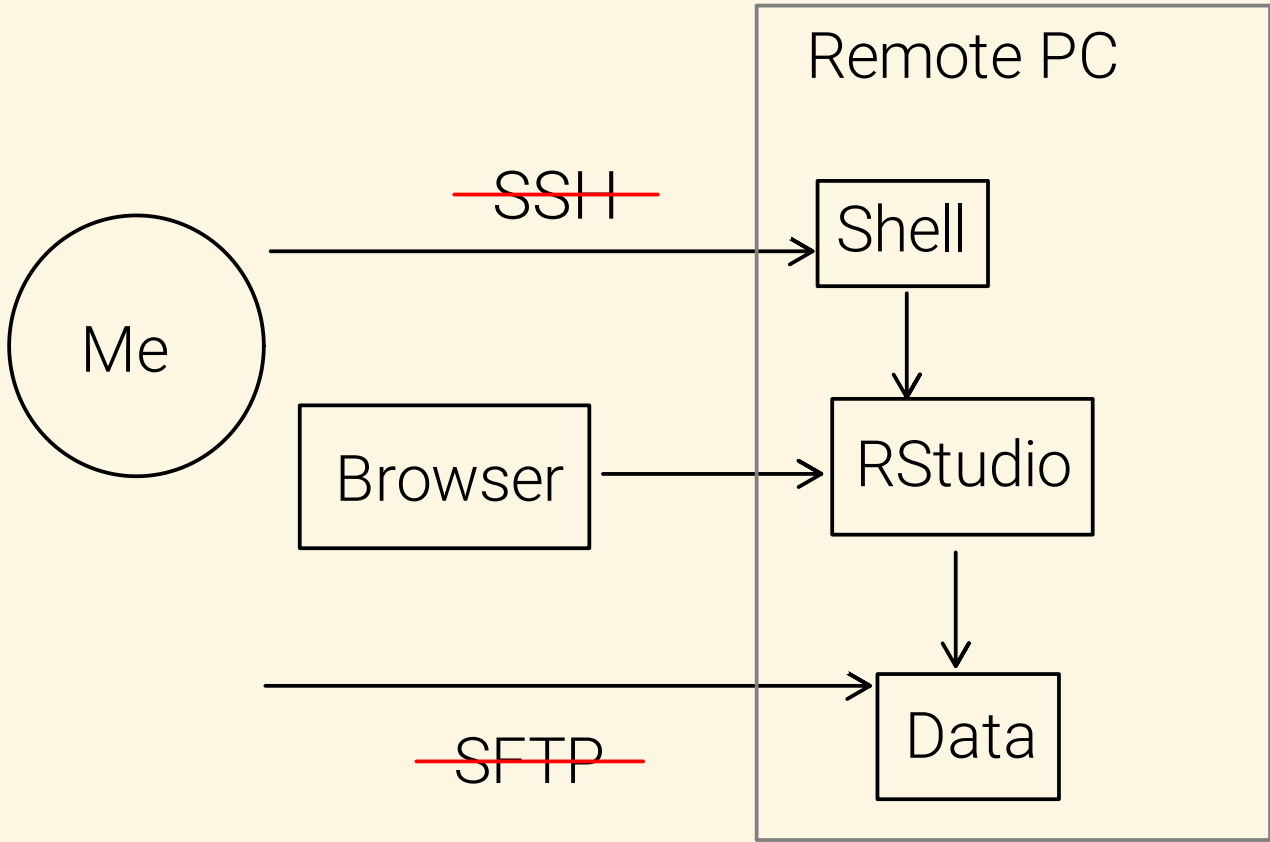
study planning and data analysis functionalities.”

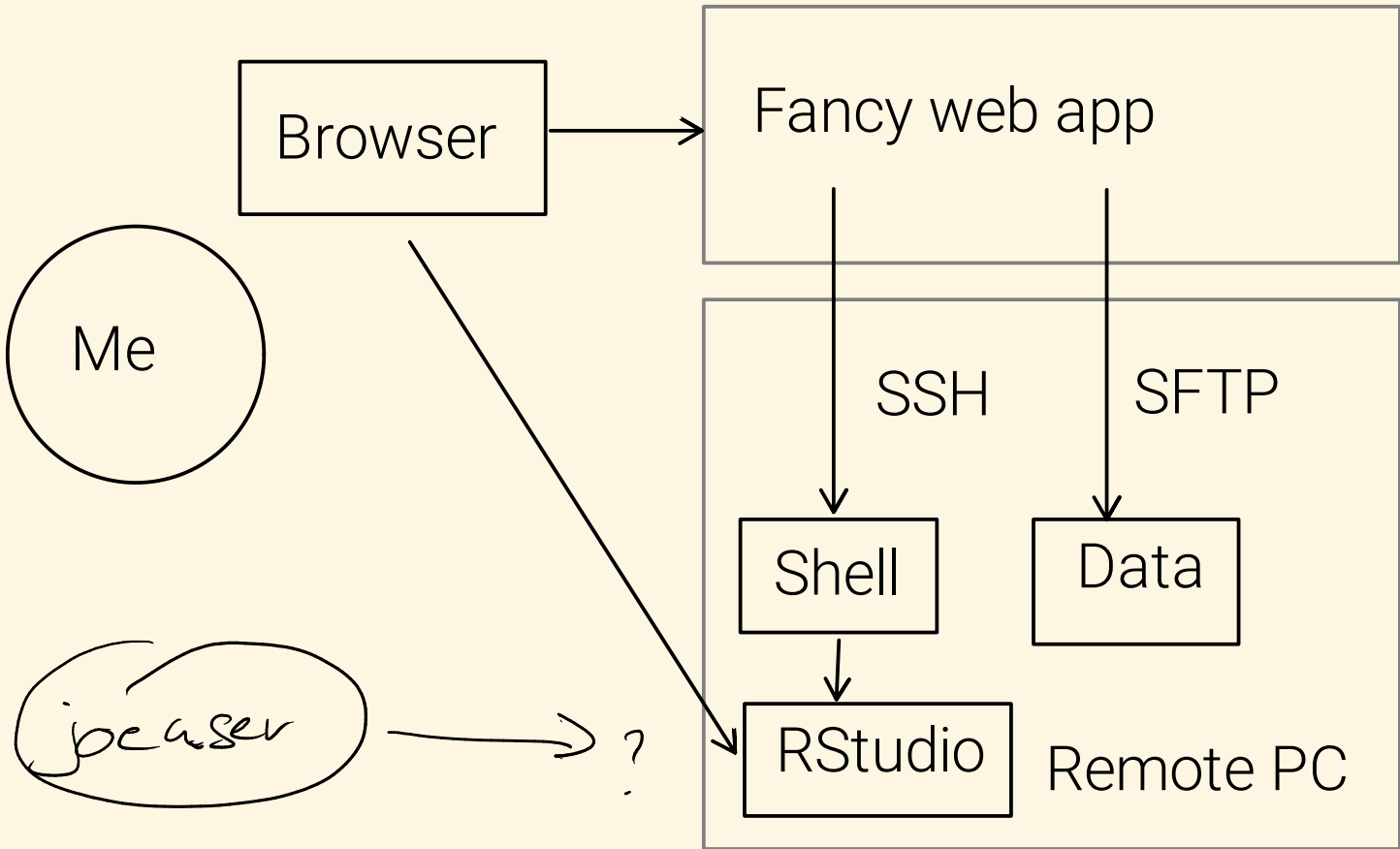
What about...?

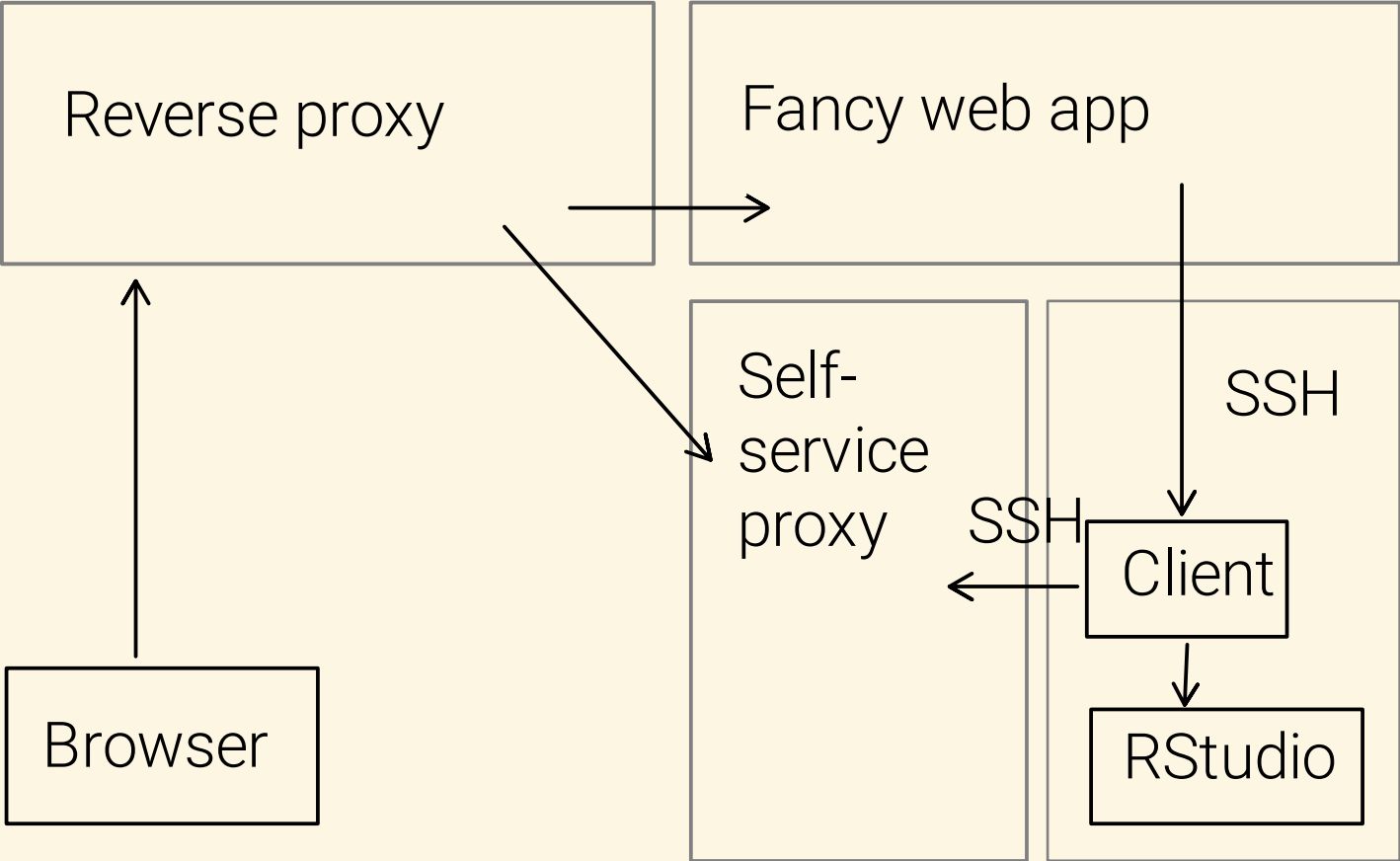
~~RStudio Cloud~~

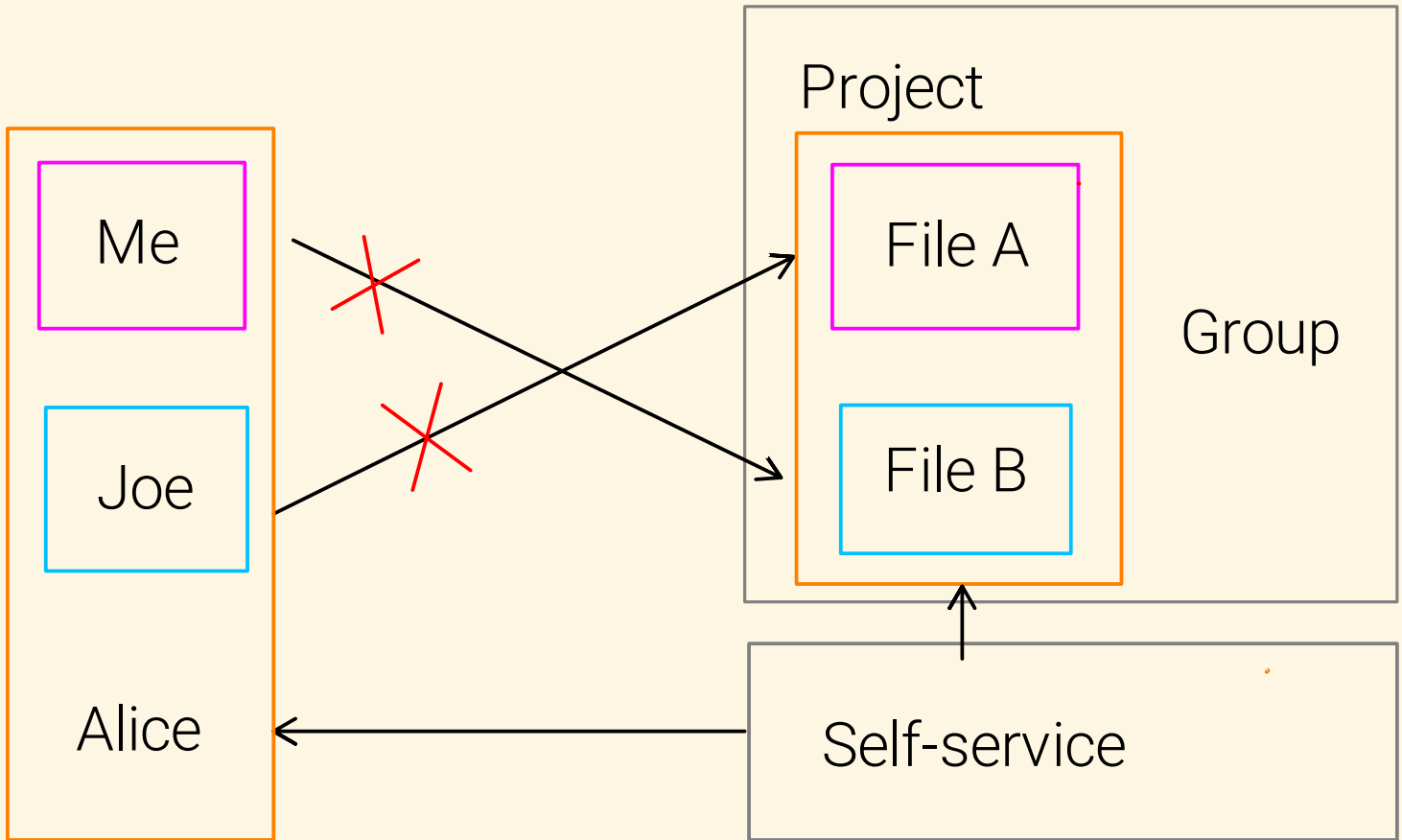
~~JupyterHub/BinderHub~~













```
data <- read.csv("/home/joe/project/data.csv")
```

# Project

- contains data/code
- contains packages
- must be shareable
- cannot change its location

# Guix to the rescue!



# Maintenance

- structured logging
- guix-cran channel
- package upgrades are hardest part

# Death

- Organizational: One developer, fixed-term contract
- Technological: Unorthodox technology

## Questions to the audience

- Should we build platforms or tools?
- Should we use exotic or mainstream technology?

What do you think?

<https://codeberg.org/myriacoda>

