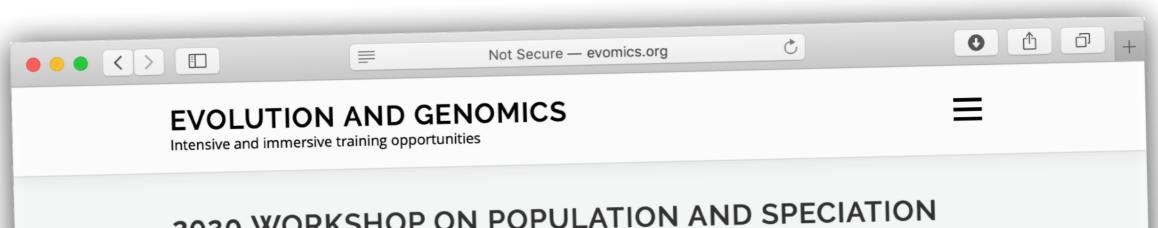
# Connecting to the Amazon instance

# Find your Amazon instance IP address



# 2020 WORKSHOP ON POPULATION AND SPECIATION GENOMICS, CESKY KRUMLOV



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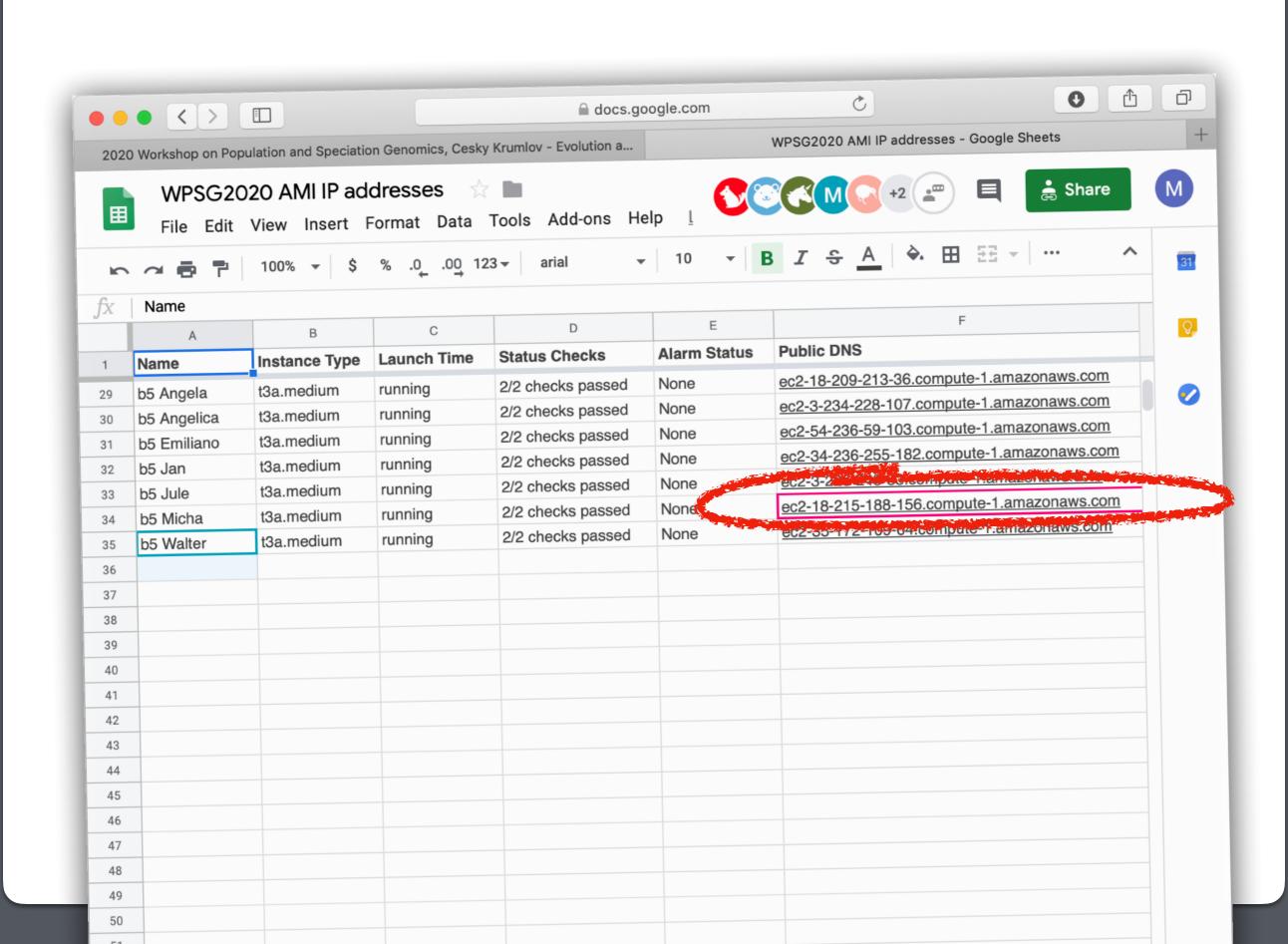
Milan Malinsky, University of Basel, Switzerland

#### **ANNOUNCEMENTS**

We are looking forward to meet everybody at the reception dinner on Sunday at 6 p.m. at the hotel Zlaty Andel!

#### LINKS

- Lecture slides and learning activities
- Magazia Managaria Incations in Cesky Krumlov
- Amazon instances IP addresses



# Connecting to the Amazon instance

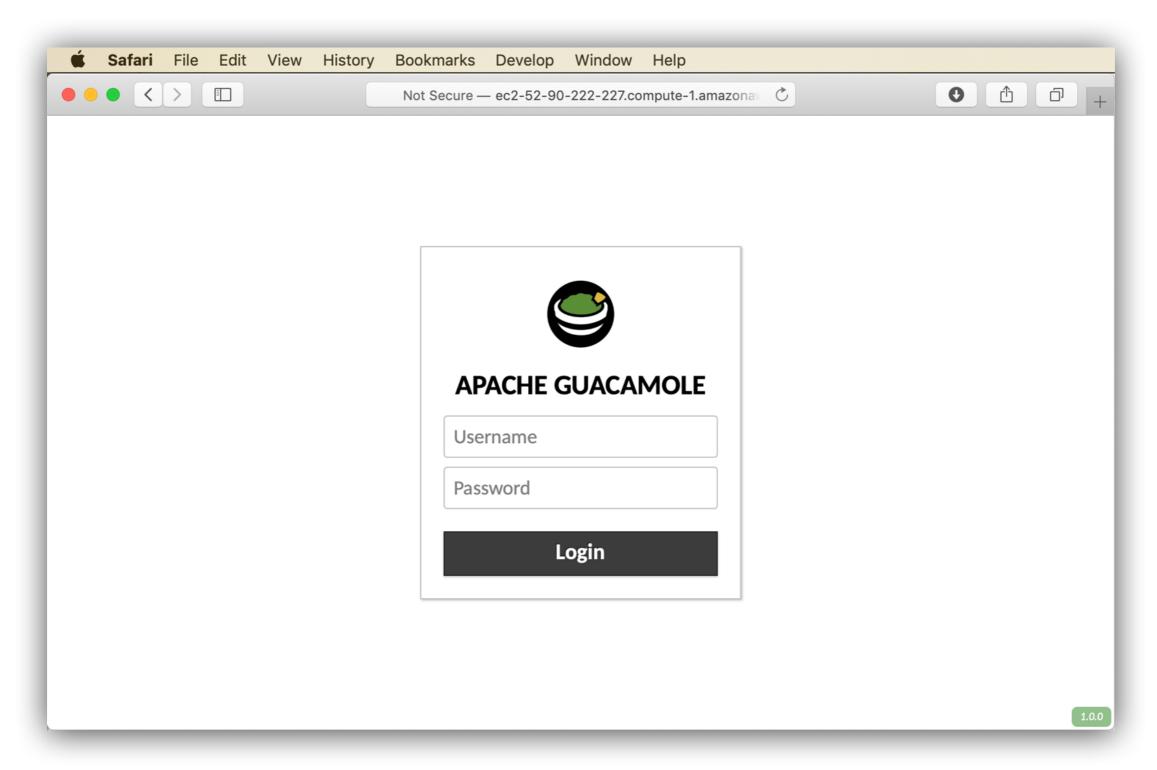
- 1. SSH / SCP
- 2. Guacamole
  - 3. RStudio
- 4. Jupyter Notebooks

1. SSH / SCP

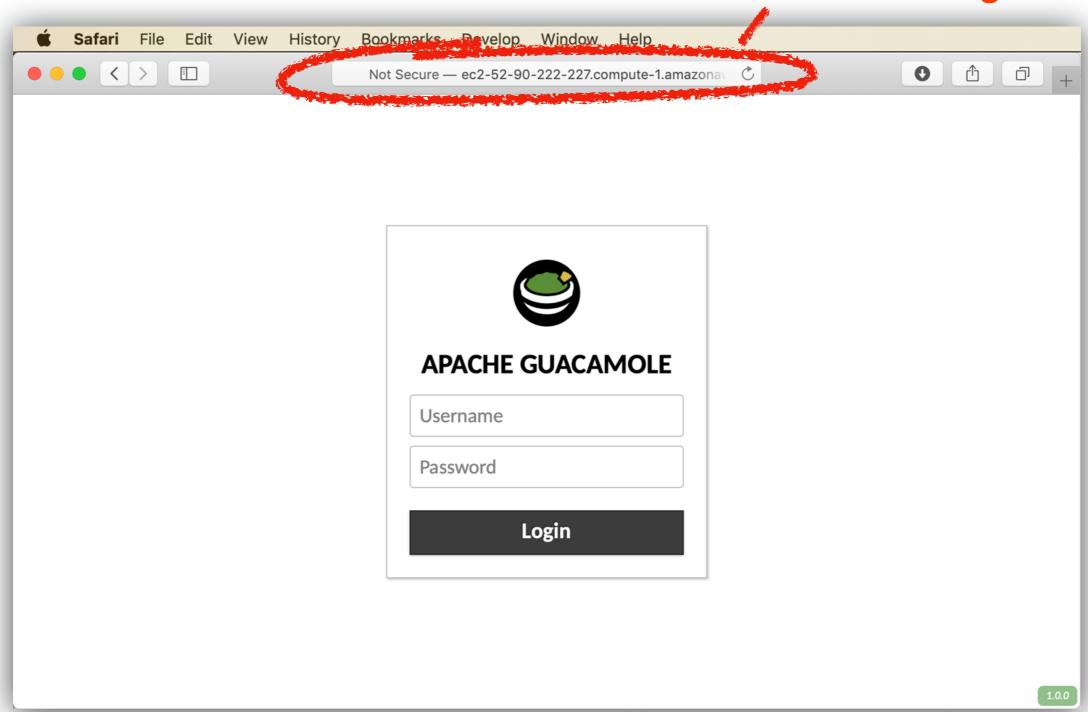
#### 1. SSH / SCP

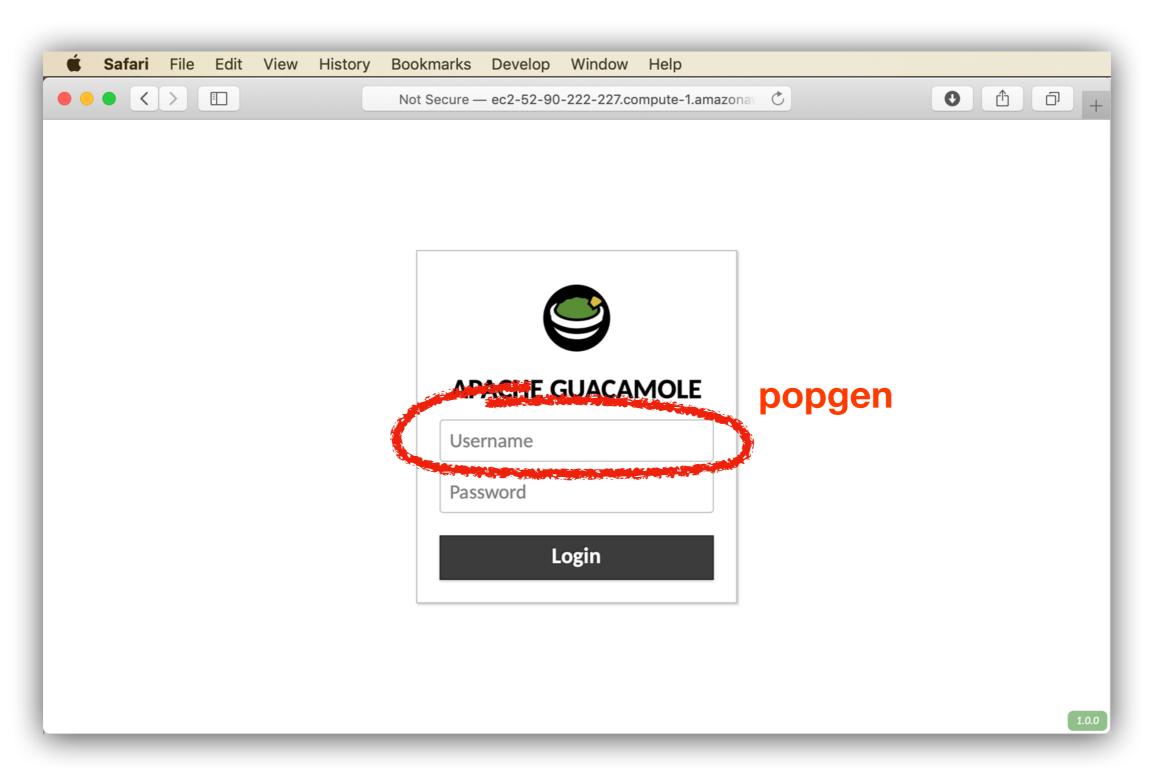
```
    m_matschiner — ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.co...

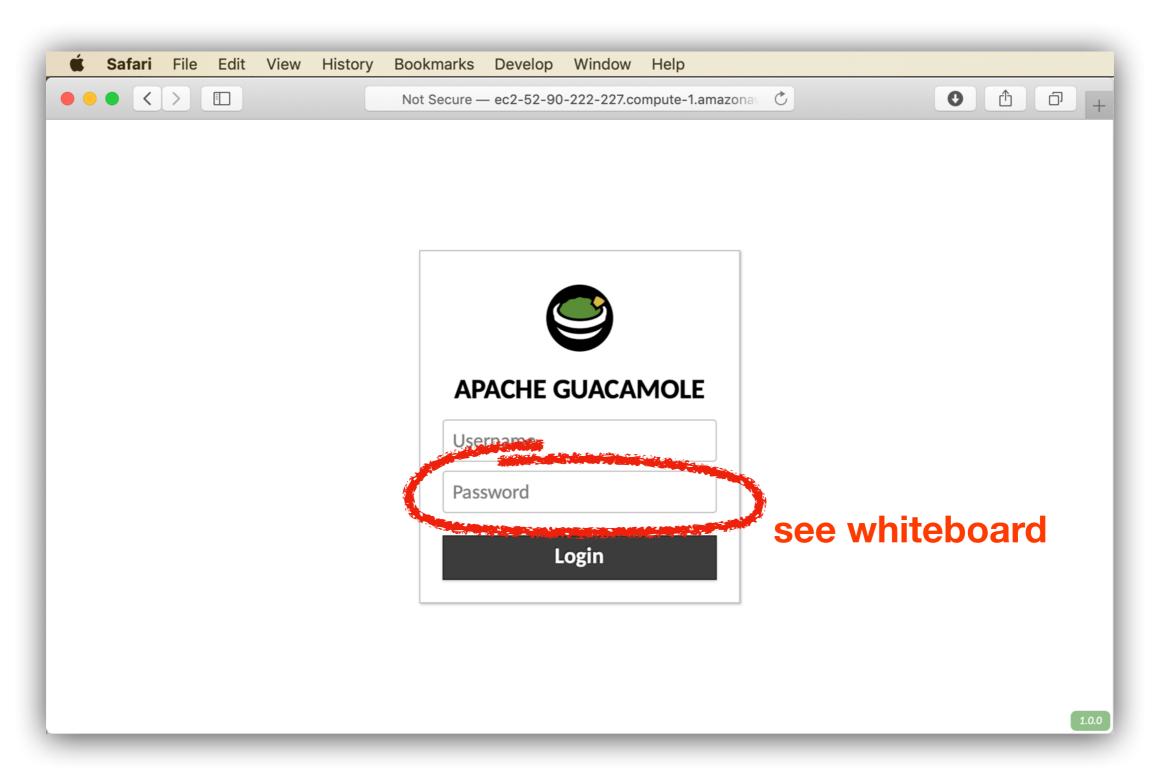
Last login: Sun Jan 19 14:51:53 on ttys001
(ball-15-24:19 ~
ssh popgen@et2-52-90-222-227.compute-1.amazonaws.com
pagen@ec2:52-90-222-227.compute-1.amazonaws.com's password:
```

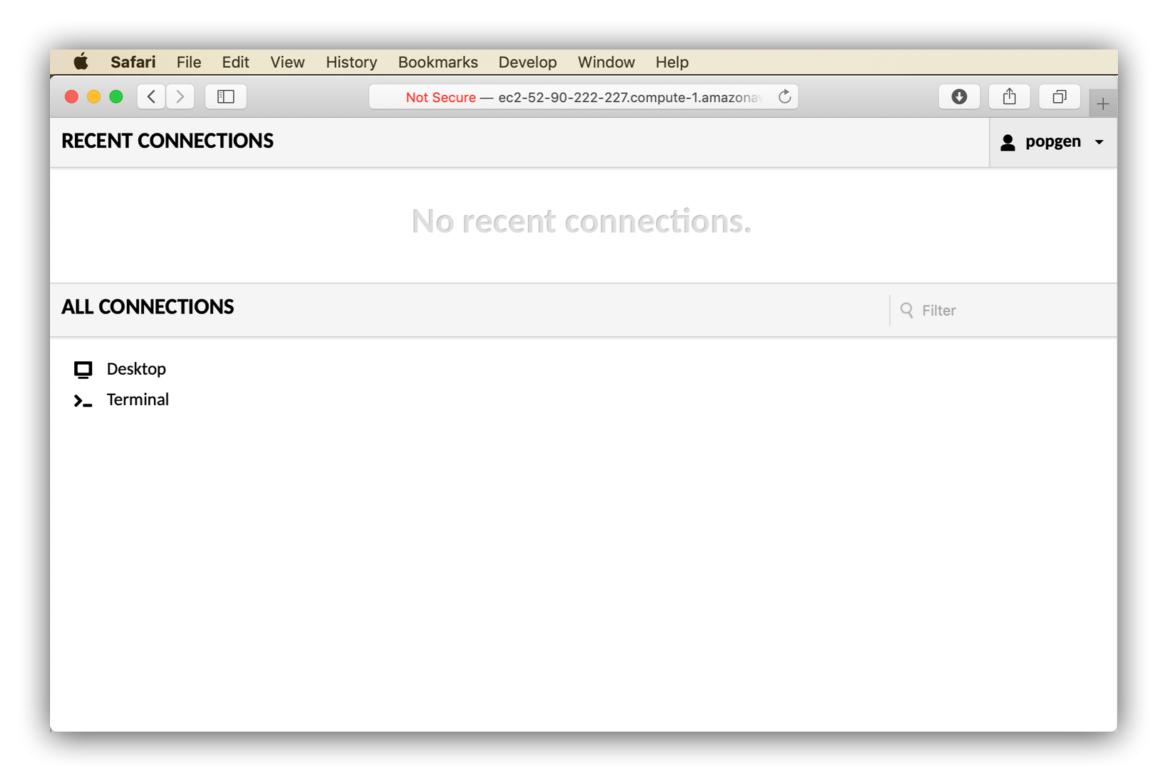


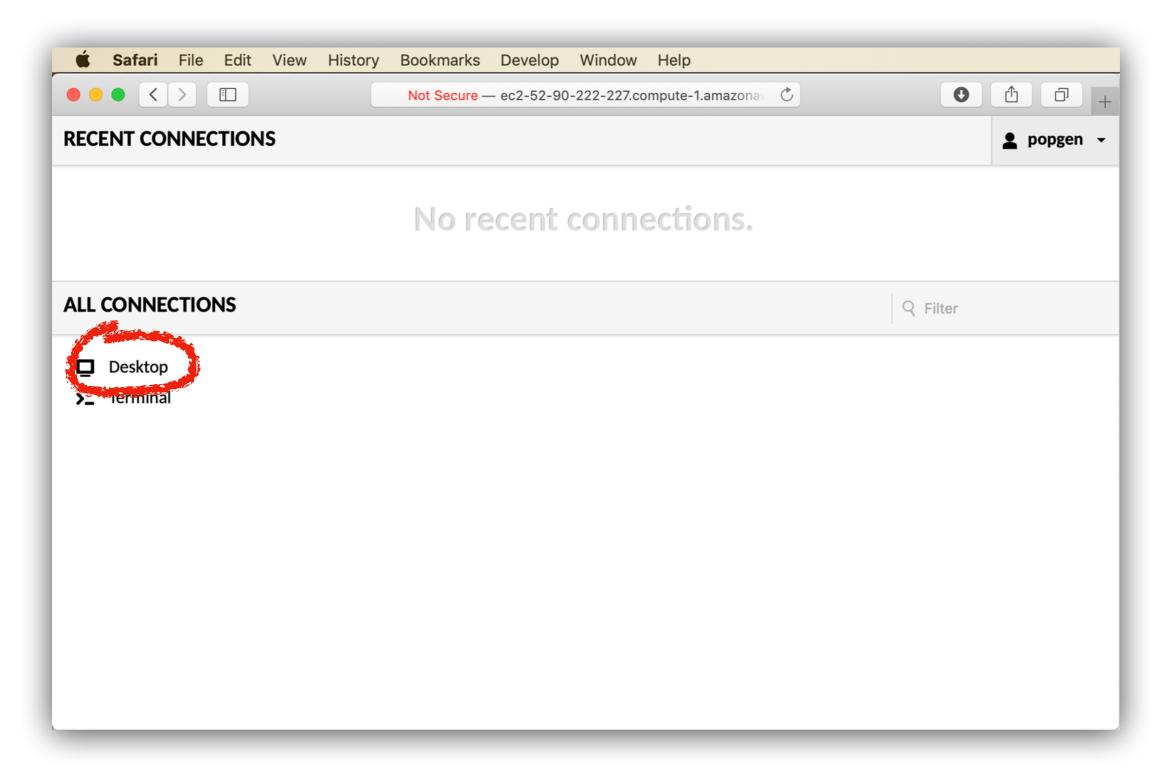
...amazonaws.com:8080/guacamole

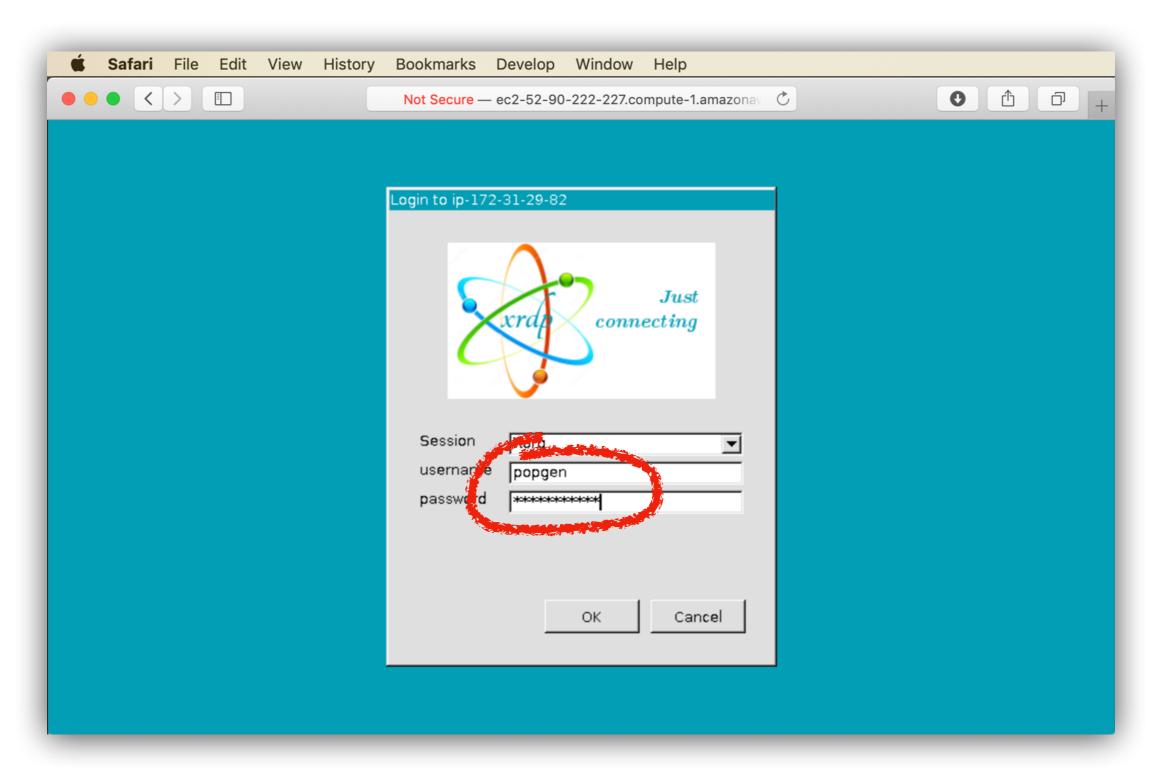


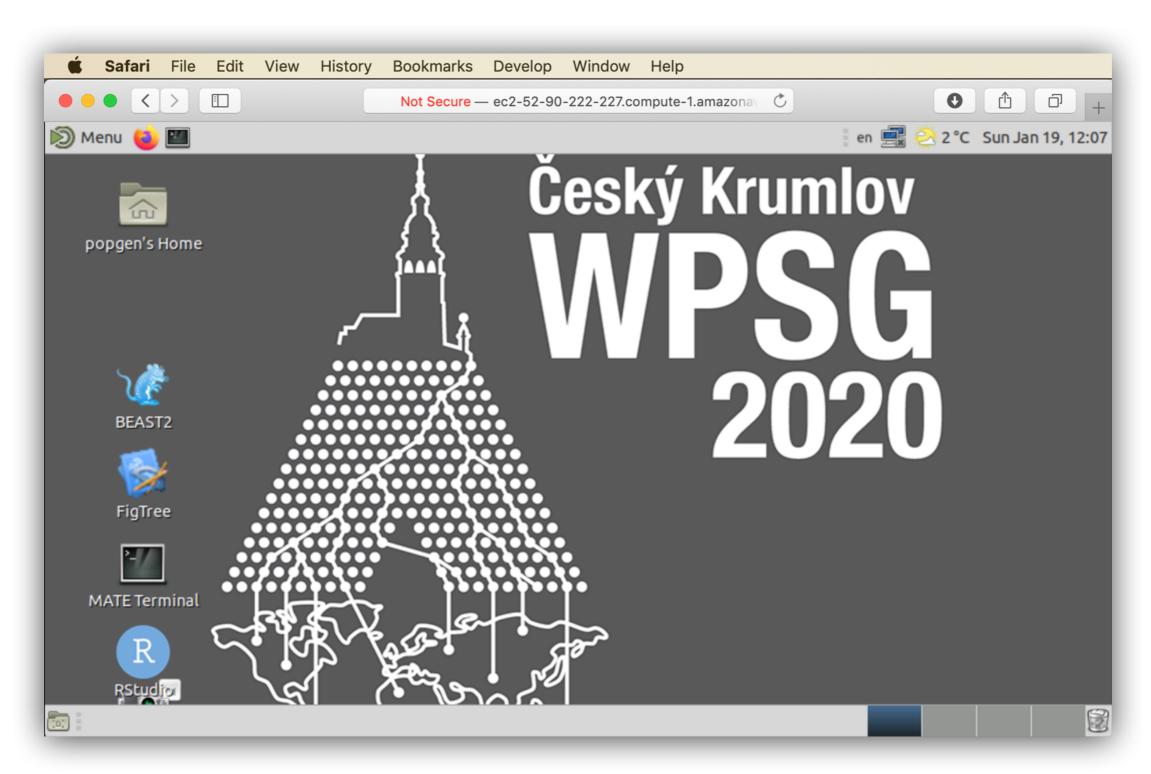




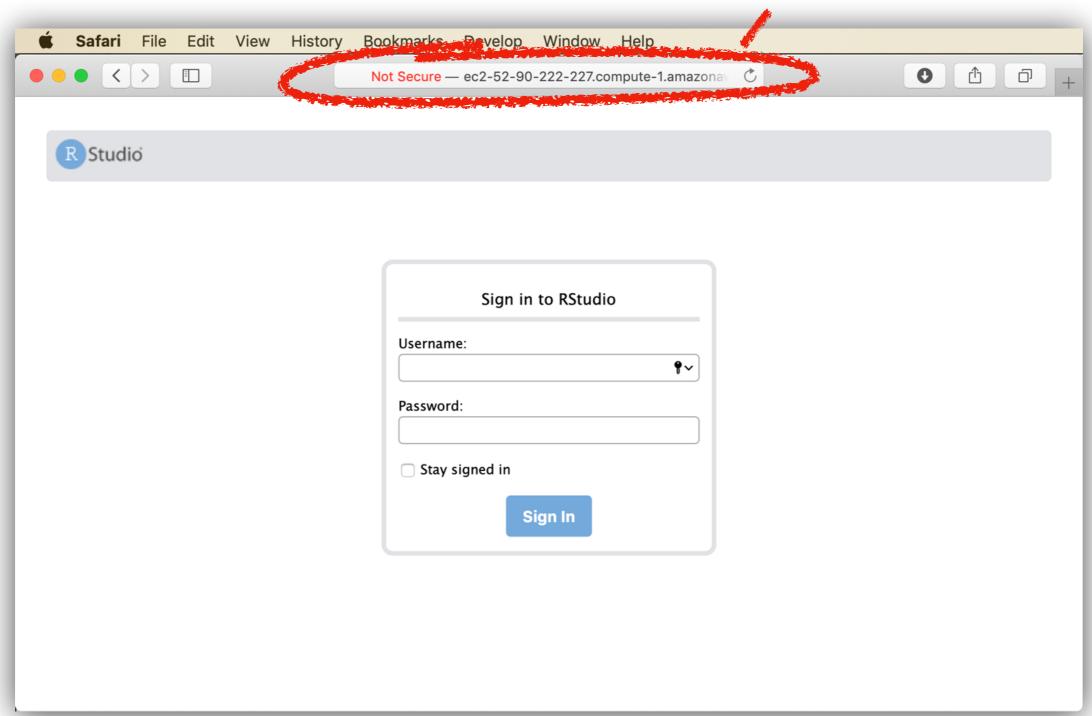


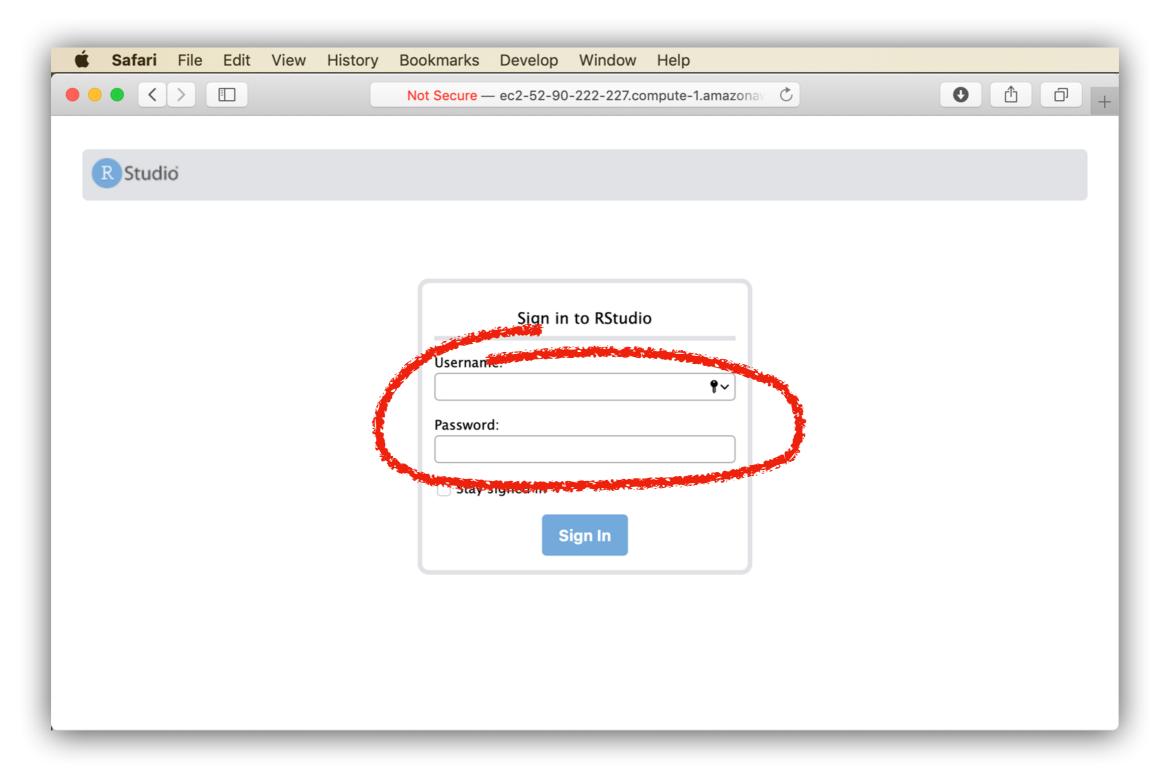


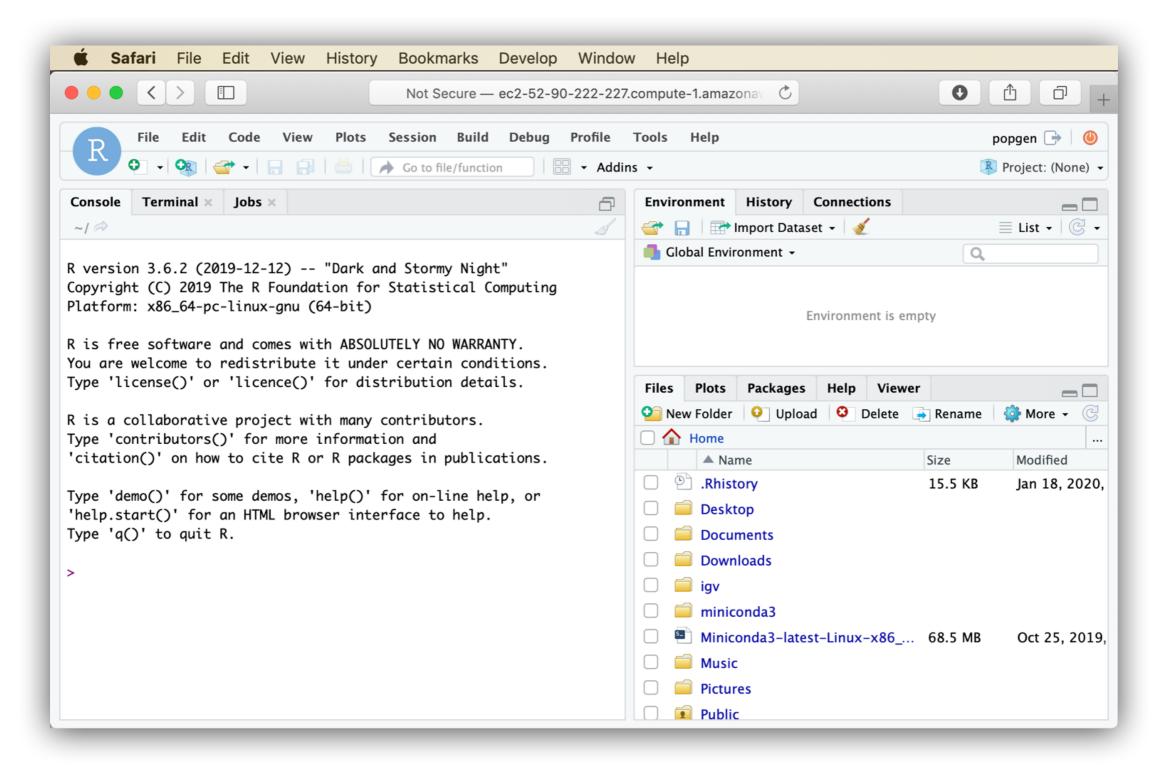




...amazonaws.com:8787







```
n_matschiner — -bash — 80×24
Last login: Sun Jan 19 15:24:19 on ttys001
(base) 16:14:30 ~
$ ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.com
```

```
    m_matschiner — ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.co...

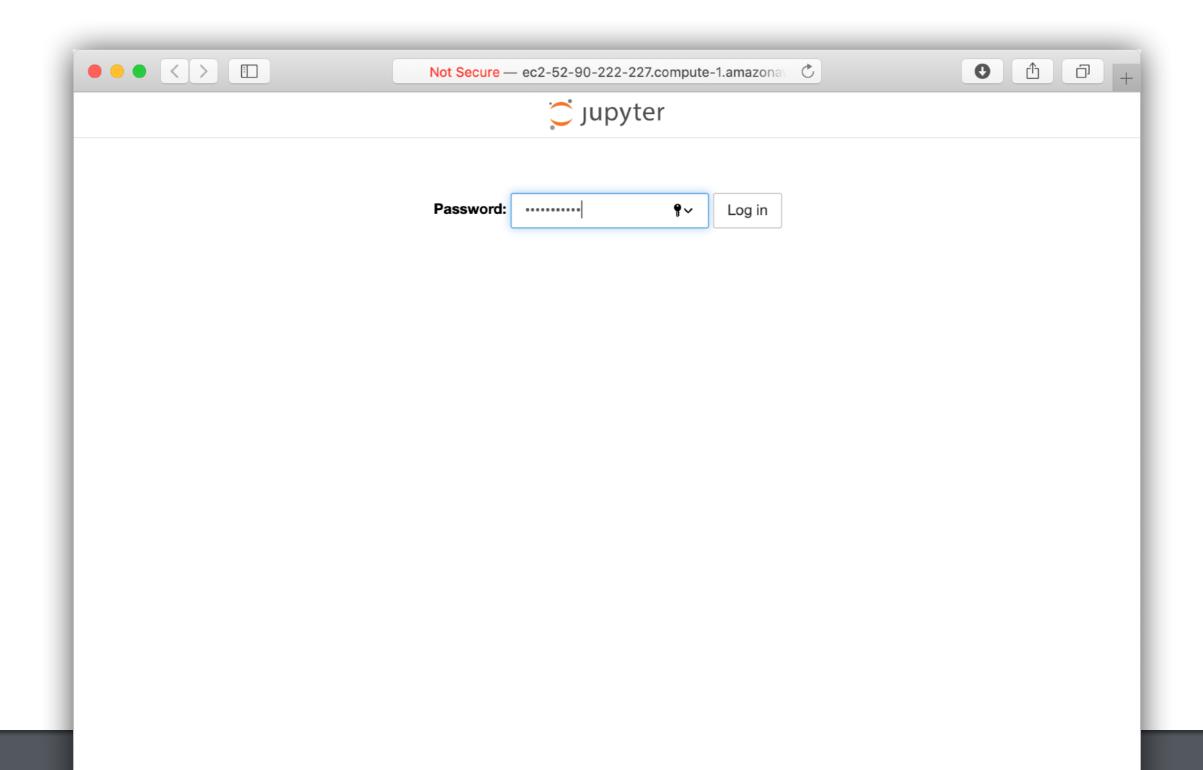
Last login: Sun Jan 19 15:24:19 on ttys001
(base) 16:14:30 \
[$ ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.com
[popgen@ec2-52-90-222-227.compute-1.amazonaws.com's password:
Workshop on Popgen 2020
##
            Cesky Krumlov
                                   ##
##
          @evomics #wpsg2020
Welcome to Ubuntu 19.10 (5.3.0-1009-aws).
Last login: Sun Jan 19 16:04:15 2020 from 90.177.198.83
(base) 16:14:52 :~ $
```

```
    m_matschiner — ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.co...

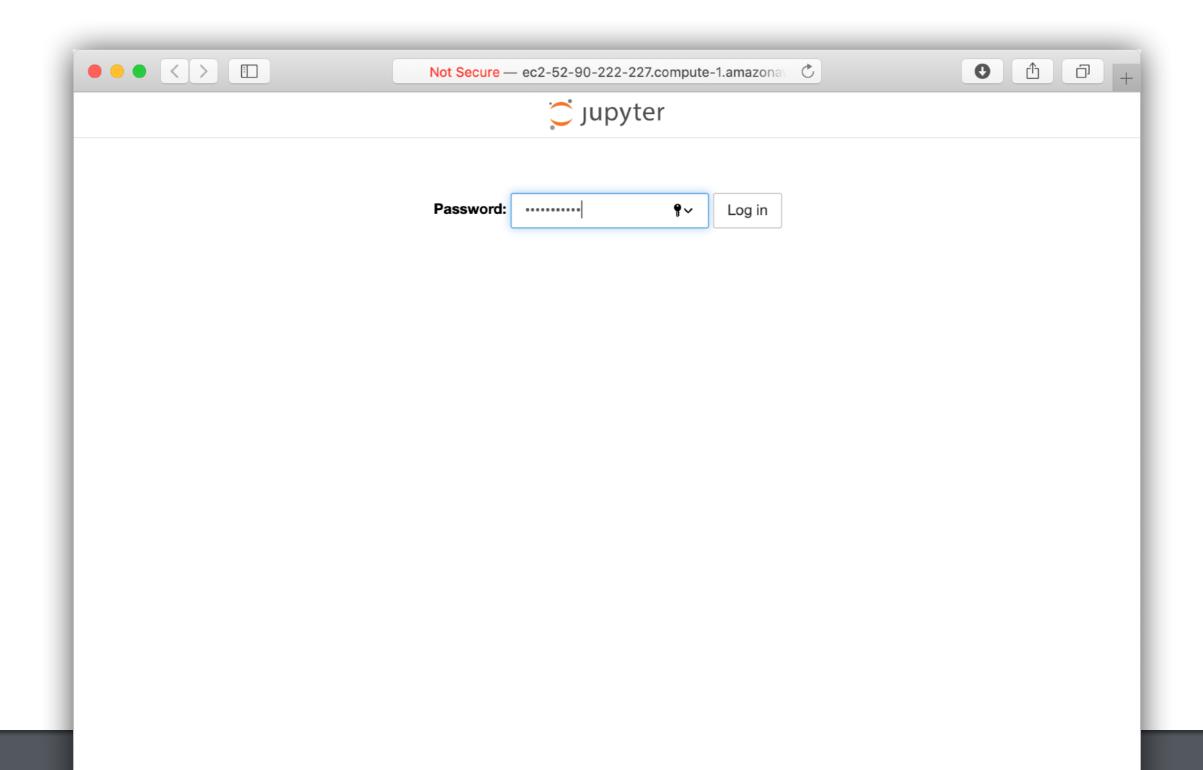
Last login: Sun Jan 19 15:24:19 on ttys001
(base) 16:14:30 \
[$ ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.com
[popgen@ec2-52-90-222-227.compute-1.amazonaws.com's password:
Workshop on Popgen 2020
##
           Cesky Krumlov
##
         @evomics #wpsg2020
Welcome to Ubuntu 19.10 (5.3.0-1009-aws).
(base) 16:14:2 :~ $ conda activate conda
```

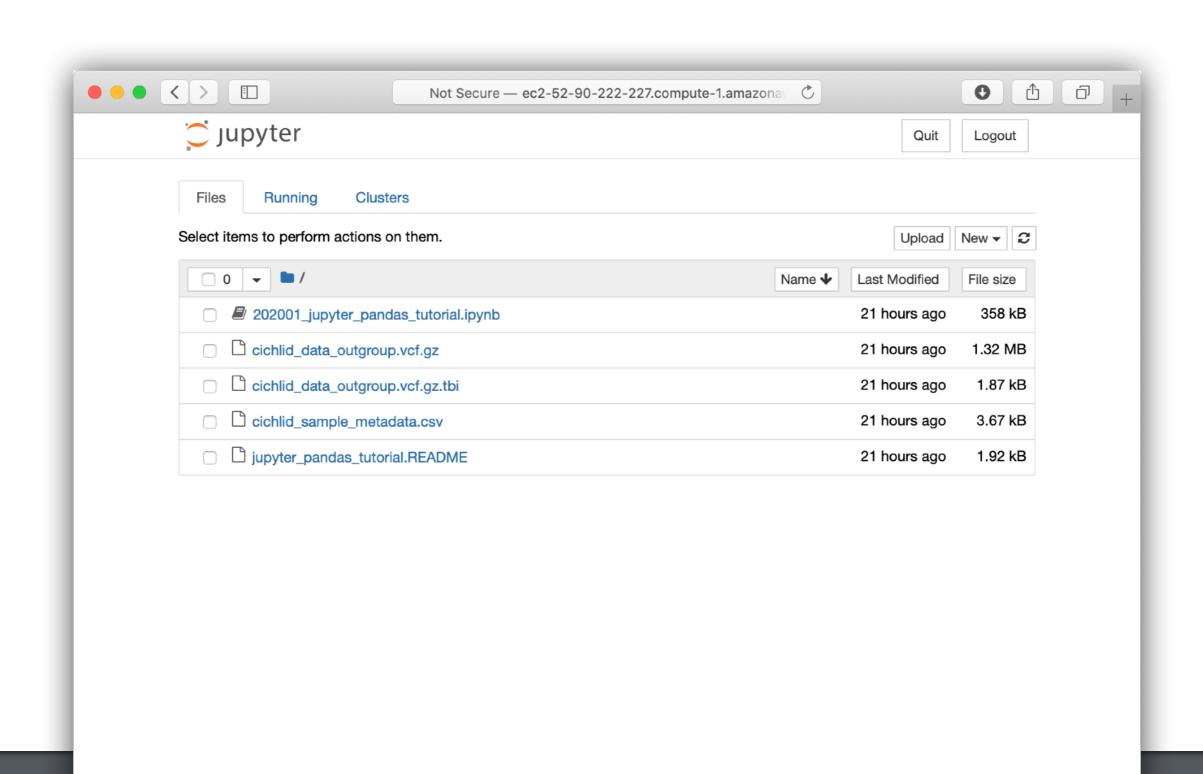
```
    m_matschiner — ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.co...

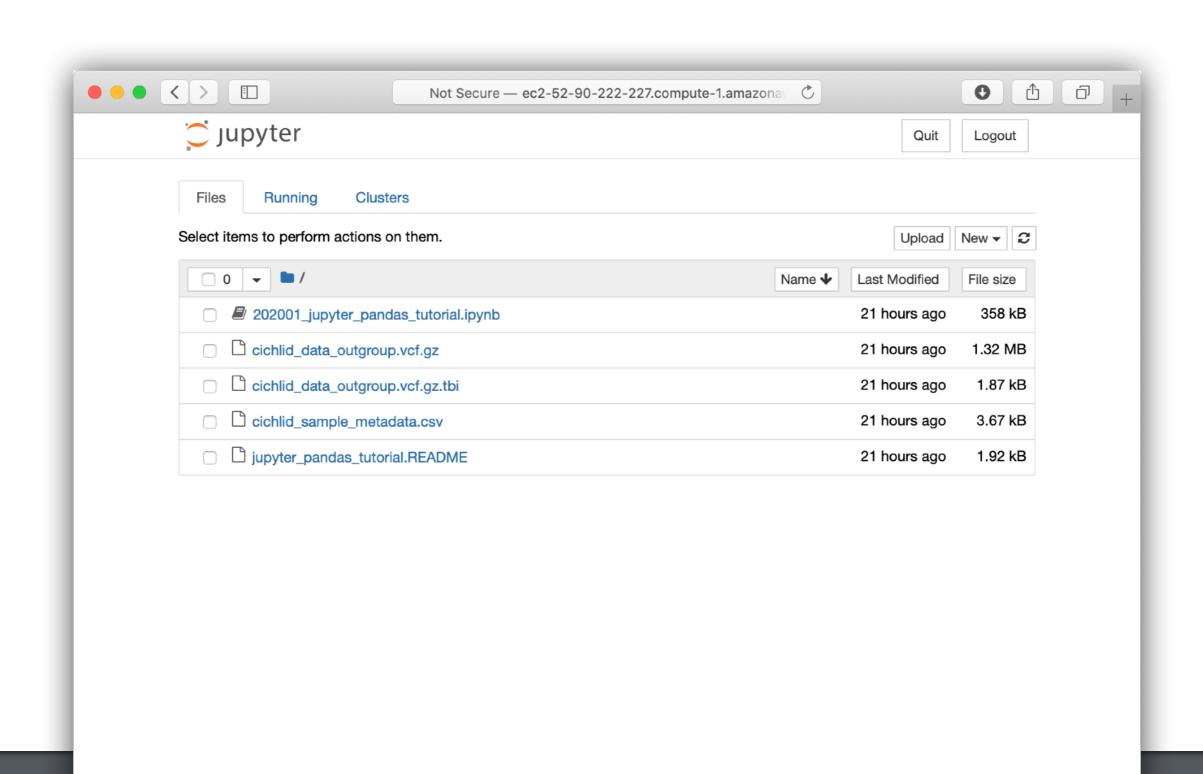
Last login: Sun Jan 19 15:24:19 on ttys001
(base) 16:14:30 ~
[$ ssh popgen@ec2-52-90-222-227.compute-1.amazonaws.com
[popgen@ec2-52-90-222-227.compute-1.amazonaws.com's password:
Workshop on Popgen 2020
##
           Cesky Krumlov
##
         @evomics #wpsg2020
Welcome to Ubuntu 19.10 (5.3.0-1009-aws).
Last login: Sun Jan 19 16:04:15 2020 from 90.177.198.83
(conda) 1€15:40 :~ $ jupyter notebook
```

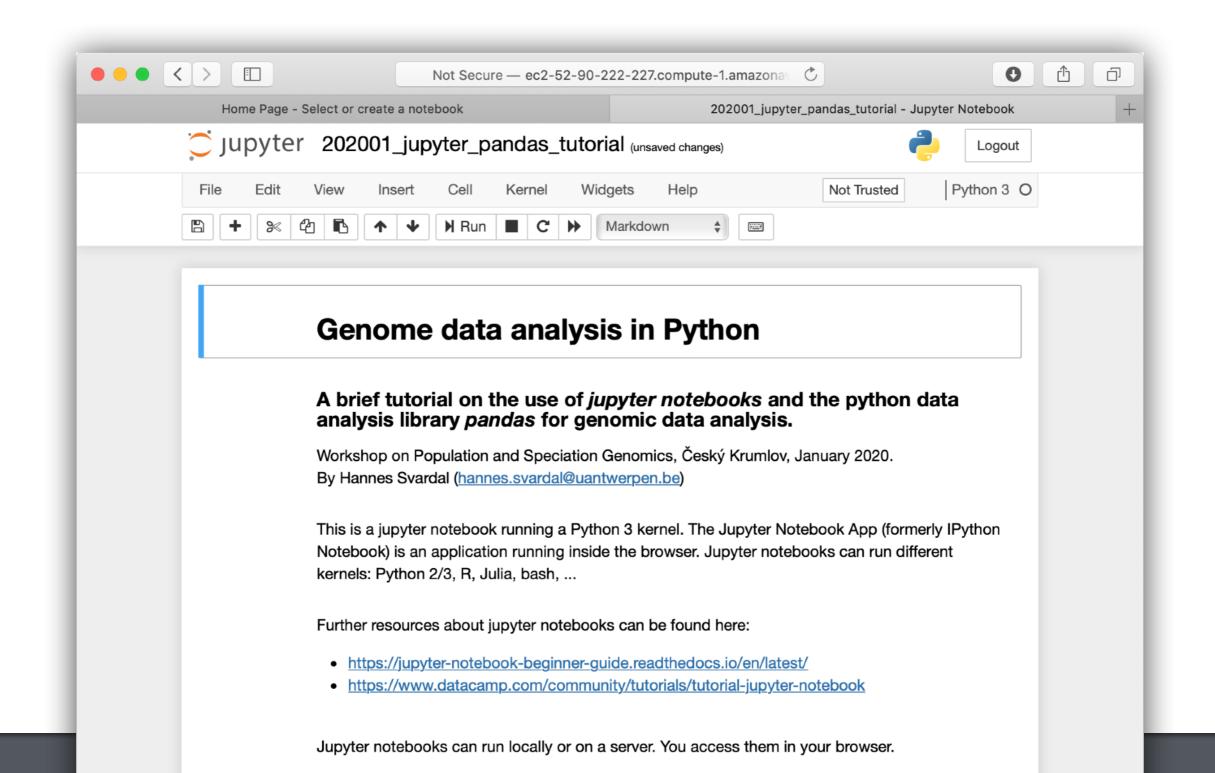


...amazonaws.com:8888 O 1 1 1 Not Secure — ec2-52-90-222-227.compute-1.amazona 🗂 jupyter Password: Log in •••••

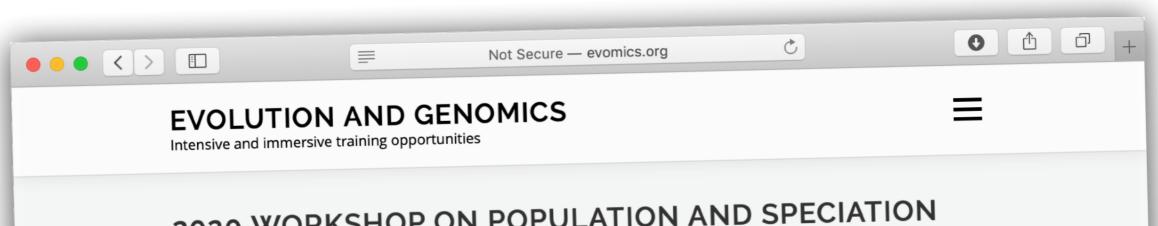








# Activity



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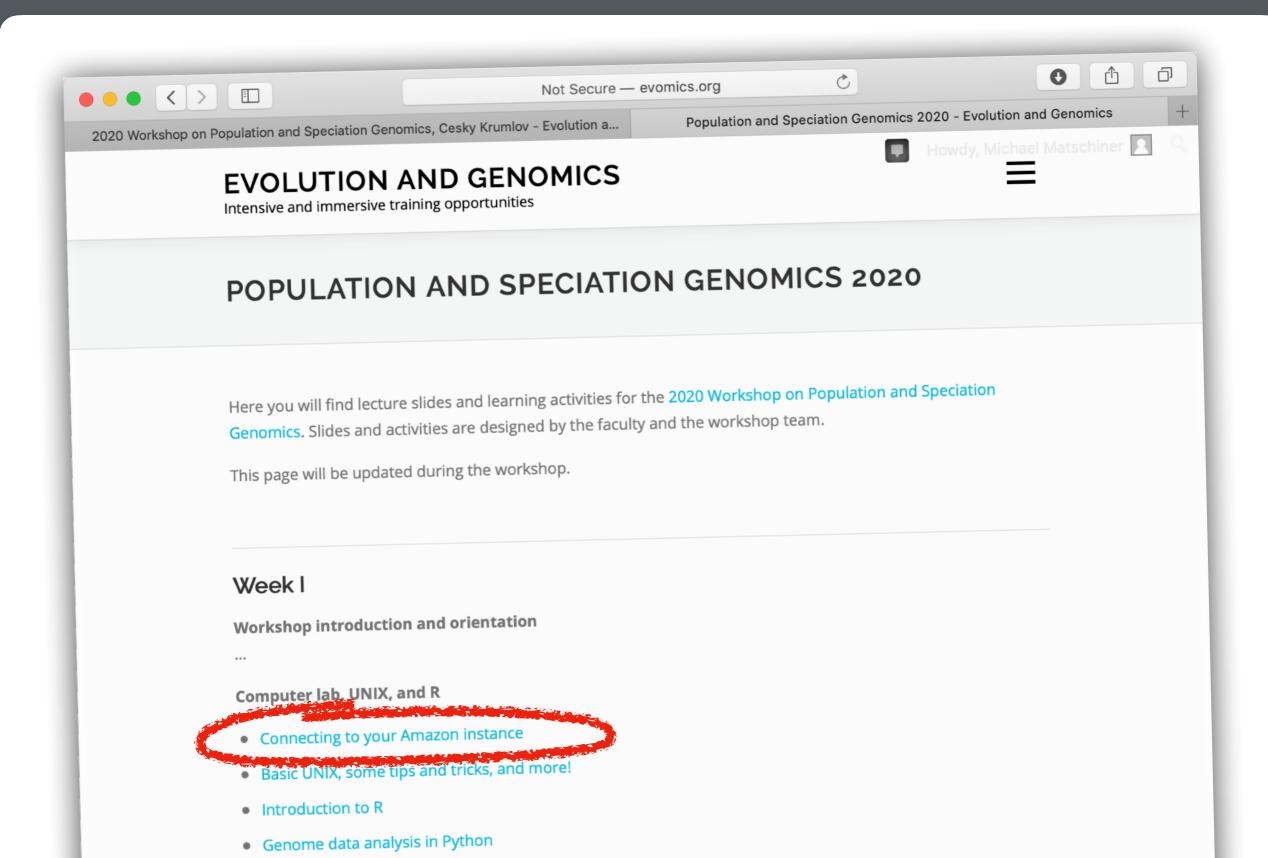
Milan Malinsky, University of Basel, Switzerland

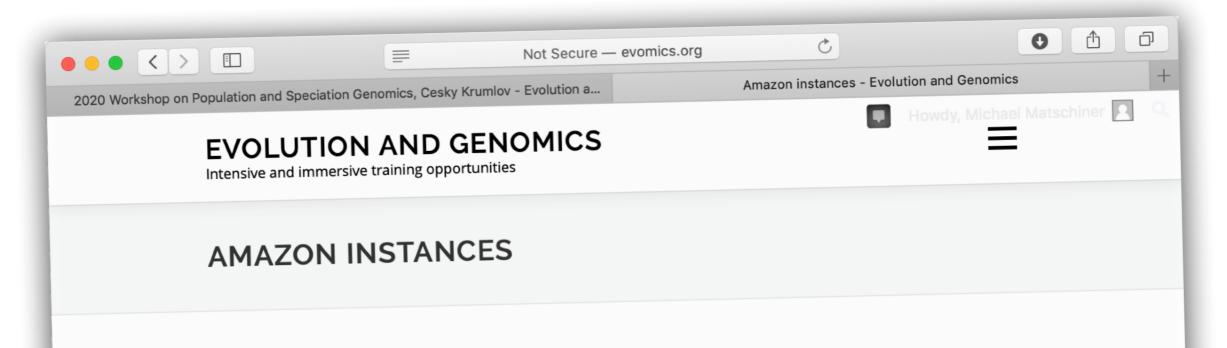
#### **ANNOUNCEMENTS**

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#### LINKS

- Lecture slides and learning activities
- Map of important locations in Cesky Krumlov
- Amazon instances IP addresses





#### Connecting to your Amazon instance

Michael Matschiner, Milan Malinsky, and the Workshop Team; 20th January 2020

#### **Amazon Web Services and Amazon instances**

For this workshop we are going to use a high performance cloud platform called Amazon Web Services (AWS). This is a flexible resource to get computational work done quickly and relatively inexpensively. We have set up individual virtual machines called "Amazon instances" for each participant. These have all the software and data you will need along with sufficient CPU, RAM, and storage resources. Your instance IP address can be found on this list and the list of IP addresses is also linked from the main workshop page (in the box with links).

The IP addresses are going to change regularly during the workshop, as we'll stop the instances overnight and resume them on the next day to cut down the cost that we need to pay to Amazon. Whenever instances are restarted, the IP addresses will change; however, the content of the instance will remain the same. So the files that you write on any given day on your instance should usually still be present on the next. We are going to announce when we stop instances overnight, and we will accept requests to leave instances running in case that you'ld like to keep working on an analysis.

In addition to stopping instances overnight, it may also occur that we need to issue completely new instances at some point. This may be the case when/if we need to install additional software or add datasets for activities. In such cases, we'll terminate old instances, meaning that the files from these instances will not be accessible