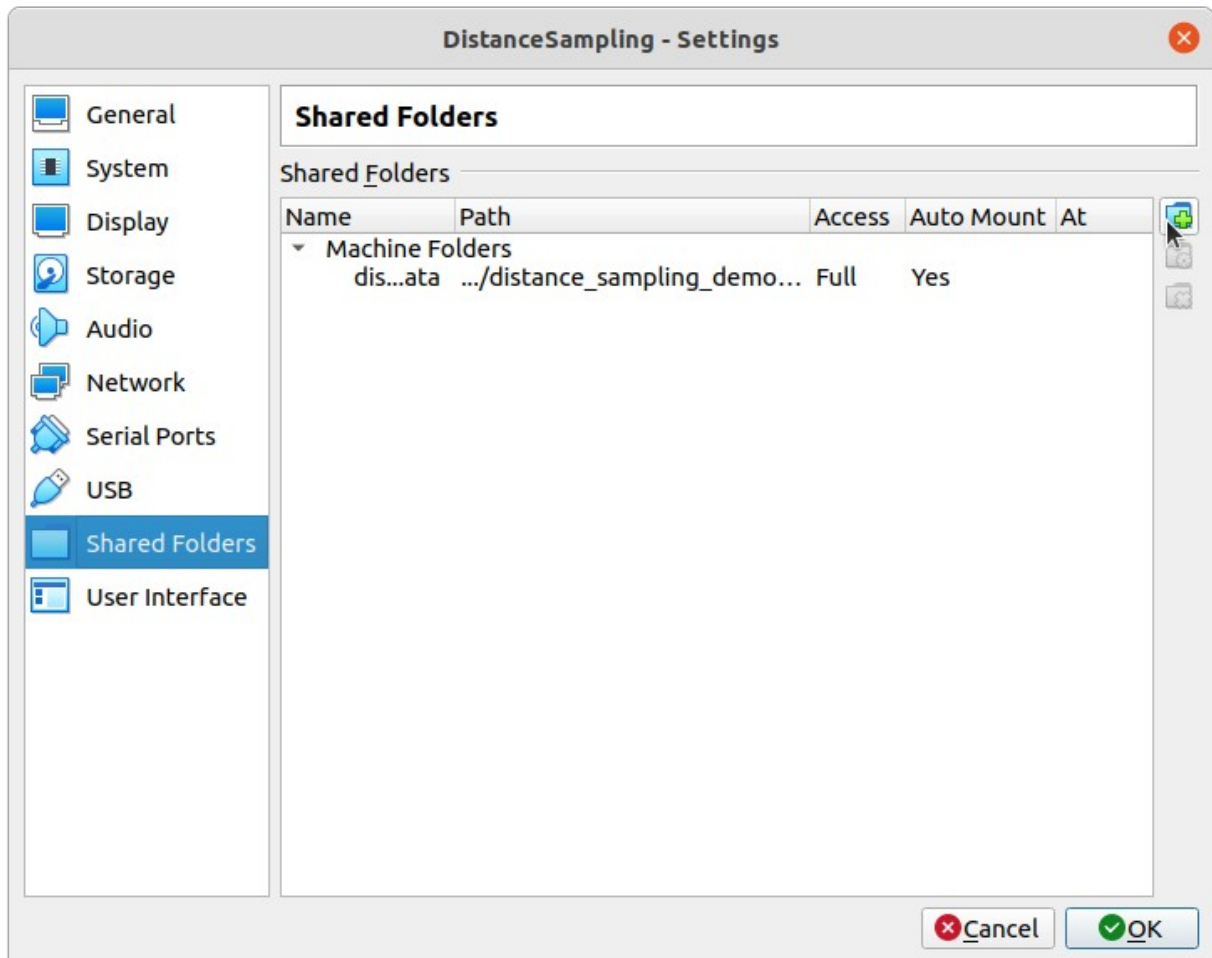
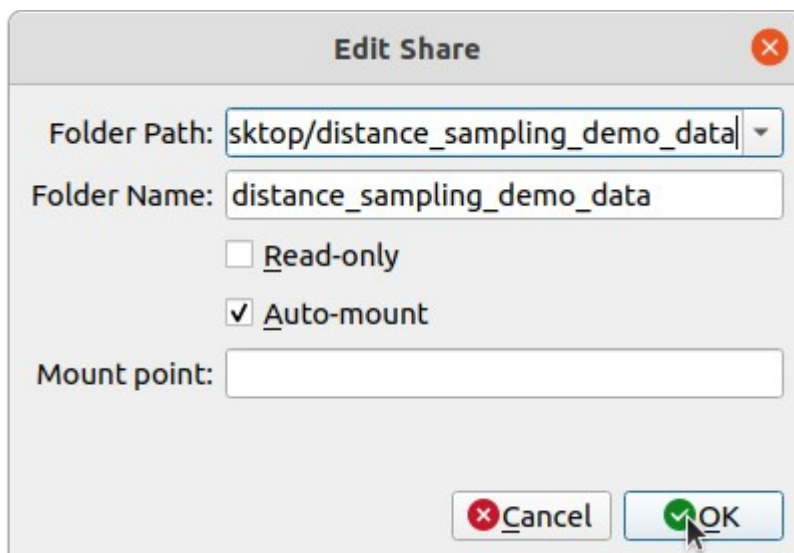


Distance Estimation Workbench Installation

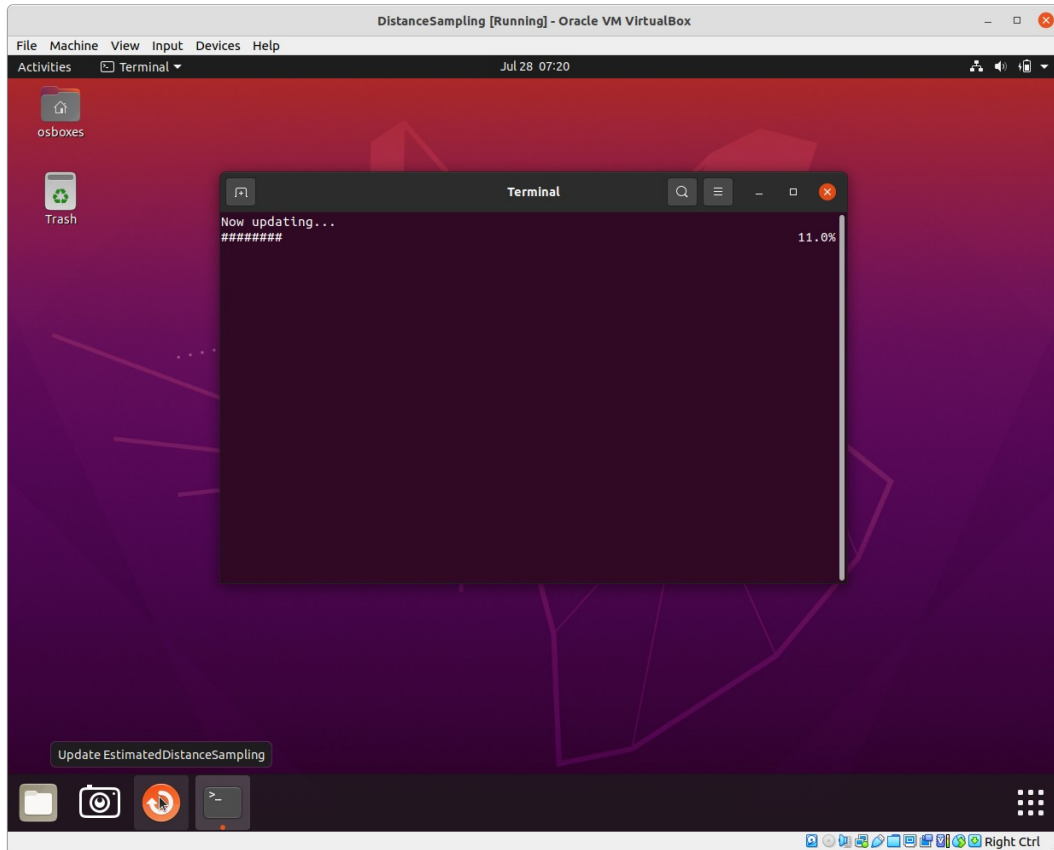
- install [VirtualBox](#)
- download [DistanceSampling.ova](#)
- import DistanceSampling.ova into VirtualBox as described [here](#). You can leave all settings as default
- go into the virtual machines settings via “Settings” and click on the add icon:



- add your data folder (for example the extracted [demo data](#)) and activate “Auto-mount”:



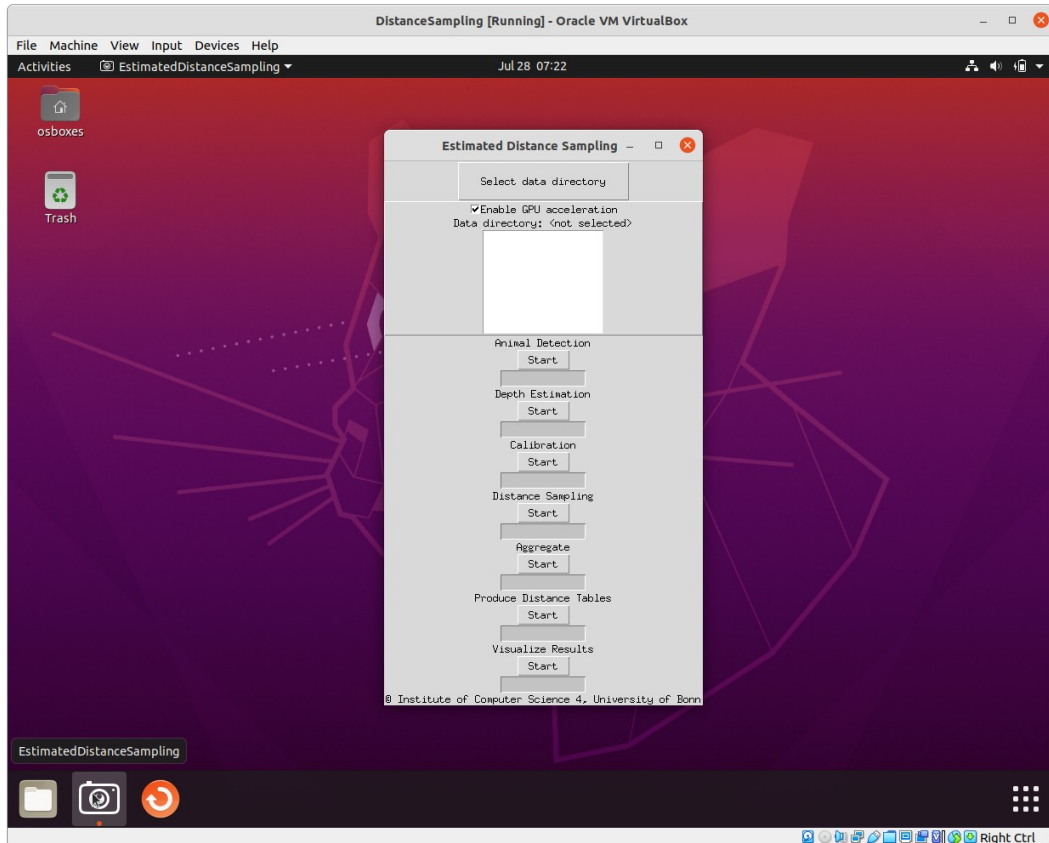
- click “OK” two times to apply and close the settings
- click “Start” to start the virtual machine
- wait until the machine is booted. In case you are asked for a password enter “password”.
- click on “Update EstimatedDistanceSampling” to initially update the App:



- click on “EstimatedDistanceSampling” to start the app:

Distance Estimation Workbench Usage

- start the virtual machine



- click on “Select data directory” choose the shared folder you configured earlier
 - try to start with the [demo data](#) first
 - in case you want to work with your own data, format it according to the demo data. The demo data contains a single “transect”, but with two different calibration file structures. You can choose one or both for your own data. Binary masks for the reference (or calibration) frames can for example be created using [GIMP](#). You can find an example of the annotation process [here](#).
- ctrl-click all transects you want to work on
- start each step you want to run
- find results in the results directory inside the shared folder
- in case you want to modify parameters, you can do so by opening the “Files” application and opening *EstimatedDistanceSampling/config.py*:

