VanML 2024: Remote Development Workshop

Activities

The following optional activities will help you gain experience in remote development.

posit cloud

Create an account on posit cloud: https://posit.cloud in the free tier, and then create a new RStudio session (no credit card required). Get the first question from the Stan worksheet (reproduction of the tutorial results) working on the cloud in RStudio.

VSCode on Digital Alliance/Compute Canada

If you have a compute canada account, you may consider using the VSCode IDE so that you can edit and run files, and interact with your file system on Compute Canada. You may find that it's easy to develop a python project this way, and relatively easy to set up. Follow the steps here to set up VSCode on Compute Canada: https://docs.alliancecan.ca/wiki/Visual_Studio_Code https://www.youtube.com/watch?v=u9k6HikDyqk https://www.youtube.com/watch?v=CsgBGpampvc

Amazon AWS

ADVANCED. This activity is optional. Consider doing them as a team with trusted friends. Run through the recipes 1, 2 and 4 to create an Amazon AWS instance, and link a dropbox account to it. Before the end of this workshop, run through recipe 3 to terminate the instance.

Amazon AWS security

ADVANCED. This activity is optional. To make your Amazon AWS instance more secure, you can limit the set of IP addresses that can connect to it. This may help avoid problems if you have elements such as R shiny apps or jupyter notebooks that you want to connect to. Follow these steps to limit all inbound traffic to a set of IP addresses: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/working-with-security-groups.html#adding-security-group-rule