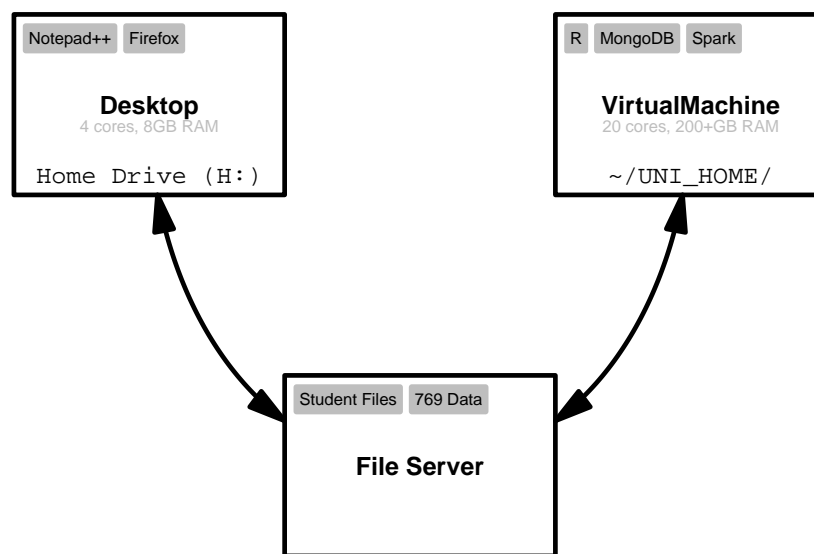


## STATS 769 Linux Virtual Machines

The Linux virtual machines (VMs) for STATS 769 have been set up so that they automatically mount student "Home Drives". These are directories that students have access to on university computers as a folder called "Home Drive (H:)".

On the VMs, these directories are mounted as `~/UNI_HOME`, where `~` is the user's "home directory" (the directory that you start in when you log into a VM).

It is also possible to *view* these directories via the web interface <https://homeweb.auckland.ac.nz>



If we work in a directory on the file server, we can access and modify files in two ways:

1. On our desktop, we can use things like GUI text editors to write R scripts and R Markdown files and web browsers or Adobe Acrobat to view PDF or PNG files of graphical output.
2. In a Putty terminal (shell), we can run the code in the R scripts and process the R Markdown files on the VMs.

The latter will be useful when either the data set we are working with resides on the VMs, or we need to run programs that are only available on the VMs, or we need lots of RAM, or we need lots of CPU cores.

When we work in R Studio on our desktop, R Studio is a combination of GUI editor, R session, and output viewer. To work with the VM, we use a separate editor, R session, and output viewer *and* the editor and the output viewer run on the desktop while the R session runs on the VM.