%%%%%%%%%% jupyter

L0: # Tutorial for Jupyter / Jupyter Lab / Binder

L1: In short, we will show the basic functions of Jupyter

L2: ## Local computer environment

L3: If you run Jupyter on your computer, it shares the R engine with the rest of the R applications, such as R studio (unless you have specifically created another R installation specifically for Jupyter - for example, two different Environments in Anaconda). The packages only need to be installed only once and then they will be available for all applications (what I install here is available in Rstudio)

L4: \*\* Use CTRL + ENTER to start the cell while staying in it. \*\*

L5: \*\* Use SHIFT + ENTER to start the cell and jump to the next one below. \*\*

L6: install.packages ('readxl')

L7: \*\* Use TAB to turn on whispering. \*\*

L8: \*\* After completing the current command, In []: number will appear, if the command is still running there is '\*'. \*\*

L9: \*\* Use the number in In [] to identify which cells you have already started and which you have not, or in what order. \*\*

L10: ## Display outputs

L11: \*\* You can split the current cell using CTRL + SHIFT + '-' \*\*

L12: \*\* You can hide the input of the current cell with 'o' \*\*

L13: \*\* The current output can be rolled up using SHIFT + 'o' \*\*

L14: ## Inserting and deleting new cells

L15: \*\* Use 'A' to insert a new cell before the current cell. \*\*

L16: \*\* Use 'B' to insert a new cell after the current cell (also possible with a plus in the toolbar). \*\*

L17: \*\* Use 'X' to delete the current cell (also using the scissors in the toolbar). \*\*

L18: You must have focus on the cells for these commands, but you must not have them open for editing - you can do so by clicking to the left of In []:

L19: ## Stop current calculation, restart kernel

L20: \*\* The current calculation can be stopped using the 'Interupt kernel'.

L21: \*\* The current kernel can be restarted using 'Reset the kernel' (round arrow in the toolbar). \*\*

L22: ## Clear all outputs

L23: \*\* Cell-> All Outputs-> Clear \*\*

L24: ## Help