S01 T01: Jupyter Notebook i Markdown

Nivell 1

- Exercici 1 Instal·la el programa Anaconda amb Python 3, i Jupyter Notebook.

Done

- Exercici 2 Utilitzant Jupyter Notebook executa alguns càlculs senzills, a la vegada que et familiaritzes amb el llenguatge Markdown.

```
In [ ]:
import numpy as np
np.random.seed(0)

def estadistica (matriz):
    forma = matriz.shape
    if forma[0] ==1:
        print('La media es: ', round(matriz.mean(),2))
    else:
        print('L'array té més d'una dimensió')

num = int(input('Cantidad de numeros a crear? '))
dim = int(input("Dimensió de l'array? "))

x = np.random.rand(dim,num)
print(x)

estadistica(x)
```

Nivell 2

- Exercici 1 Exporta el Notebook com a pdf i com a html.

```
In [ ]:
You must follow --> File / Download as / PDF via as LaTeX
```
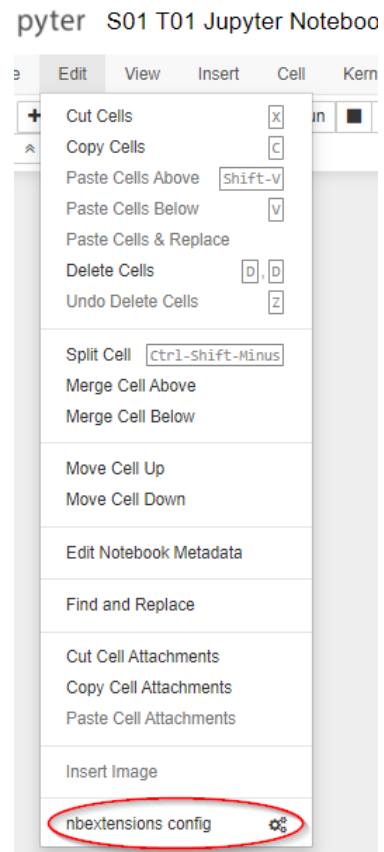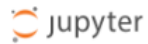

però surt un error... ho farem amb --> File / Download as / HTML i desprès ho imprimiré amb pdf

Nivell 3

- Exercici 1

Instal·la Nbextensions al Notebook de Jupyter.

◯ Jupyter   Nbextensions configuration (more information)   Logout

Configurable nbextensions

☐ disable configuration for nbextensions without explicit compatibility (they may break your notebook environment, but can be useful to show for nbextension development)

filter: | by description, section, or tags

☐ (some) LaTeX environments for Jupyter	☐ 2to3 Converter	☐ AddBefore	☑ Autopep8
☑ AutoSaveTime	☐ Autoscroll	☐ Cell Filter	☐ Code Font Size
☐ Code prettify	☑ Codefolding	☐ Codefolding in Editor	☐ CodeMirror mode extensions
☑ Collapsible Headings	☐ Comment/Uncomment Hotkey	☑ contrib_nbextensions_help_item	☐ datestamper
☐ Equation Auto Numbering	☑ ExecuteTime	☐ Execution Dependencies	☐ Exercise
☐ Exercise2	☐ Export Embedded HTML	☐ Freeze	☐ Gist-it
☑ Help panel	☑ Hide Header	☑ Hide input	☑ Hide input all
☐ Highlight selected word	☐ highlighter	☑ Hinterland	☐ Initialization cells
☐ isort formatter	☑ jupyter-js-widgets/extension	☑ jupyter_server_proxy/tree	☑ jupyterlab-plotly/extension
☐ Keyboard shortcut editor	☐ Launch QTConsole	☐ Limit Output	☐ Live Markdown Preview
☐ Load TeX macros	☑ mitosheet/extension	☐ Move selected cells	☐ Navigation-Hotkeys
☑ Nbextensions dashboard tab	☑ Nbextensions edit menu item	☐ nbTranslate	☐ Notify
☑ Printview	☑ Python Markdown	☐ Rubberband	☑ Ruler
☐ Ruler in Editor	☑ Runtools	☐ Scratchpad	☐ ScrollDown
☐ Select CodeMirror Keymap	☐ SKILL Syntax	☐ Skip-Traceback	☑ Snippets
☑ Snippets Menu	☐ spellchecker	☐ Split Cells Notebook	☑ Table of Contents (2)
☐ table_beautifier	☑ Toggle all line numbers	☑ Tree Filter	☑ Variable Inspector
☐ zenmode			

In [ ]: