HowToSubmitAnAssignment

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0.1 Why not to submit a notebook?

All assignments are a piece of work, that explains a story (almost). Therefore it needs to be clear, descriptive and preferably interactive as well for the viewer.

There are multiple ways to create an output in which the results/figures can be emphasized and not the code itself, that generated it as it is in a notebook.

0.2 1. Convert it to an HTML file

jupyter offers an easy way to convert a notebook into a (semi)static HTML file:

```
jupyter nbconvert HowToSubmitAnAssignment.ipynb
```

This Tutorialspoint site will give you more tips about conversions.

One can also define the styling, colors or use a template

0.2.1 Useful options

- –execute: executes all cells, it might be needed, to create the right image for the fiven file format
- –no-input: exclude input cells (code cells)

0.3 2. Convert it into another format

Same as before but one can set the `--to` parameter to *pdf*, *latex*, *slides* etc...

0.4 3. Create an output with visualization modules

There are several modules that is intended for nicely formatted output and offers a structured layout

- Bokeh
- Holoviews a higher level wrapper for many modules
- Pyviz a collection of modules using various engines (matplotlib, bokeh, plotly)

- Plotly for both python and R users

or

- R shiny for R users (but python code can be included as well)

1 Advanced codes

As we will see on the Interactive Visualization lecture, all visualizations that can be revealed in a browser is a mixture of HTML, CSS, JS etc. codes. When using the jupyter notebook we are working in an environment that is defined by these coding languages.

There is always a way to directly change these codes and change the outlook of the enviroment or the output. In the `presentationtricks` folder there is collection of codes, that showcase how can one modify the default environment.