

## Hort 503 – Bokeh Assignment

Bokeh is an interactive visualization library for Python, and the authors have written a series of tutorials in jupyter notebooks (with exercises). For this assignment you have a choice of tasks.

First, **follow the setup instructions to install bokeh**.

### Setup Instructions

The required packages for the tutorial notebooks can be installed via:

```
conda install numpy notebook bokeh pandas scipy selenium datashader networkx  
flask phantomjs holoviews
```

Additionally, to view the output with jupyter lab, an extension must be installed via:

```
jupyter labextension install @pyviz/jupyterlab_pyviz
```

If you have any trouble, post the issue to the class Slack channel. You can continue with the assignment in the meantime by using the online notebook service *binder*.

### Links

[Bokeh Reference](#)

[Bokeh Github Repository](#)

[Tutorial Notebook Repository](#)

[Binder-hosted Bokeh Tutorial Notebooks](#)

***Pick one of the following tasks:***

**Option 1:** Complete tutorial notebooks 1 through 5 and their included exercises.

***or***

**Option 2:** Find an example from the [bokeh gallery](#) that you can implement using data from your field or research. An excellent choice for this would be the [cross filter example](#).