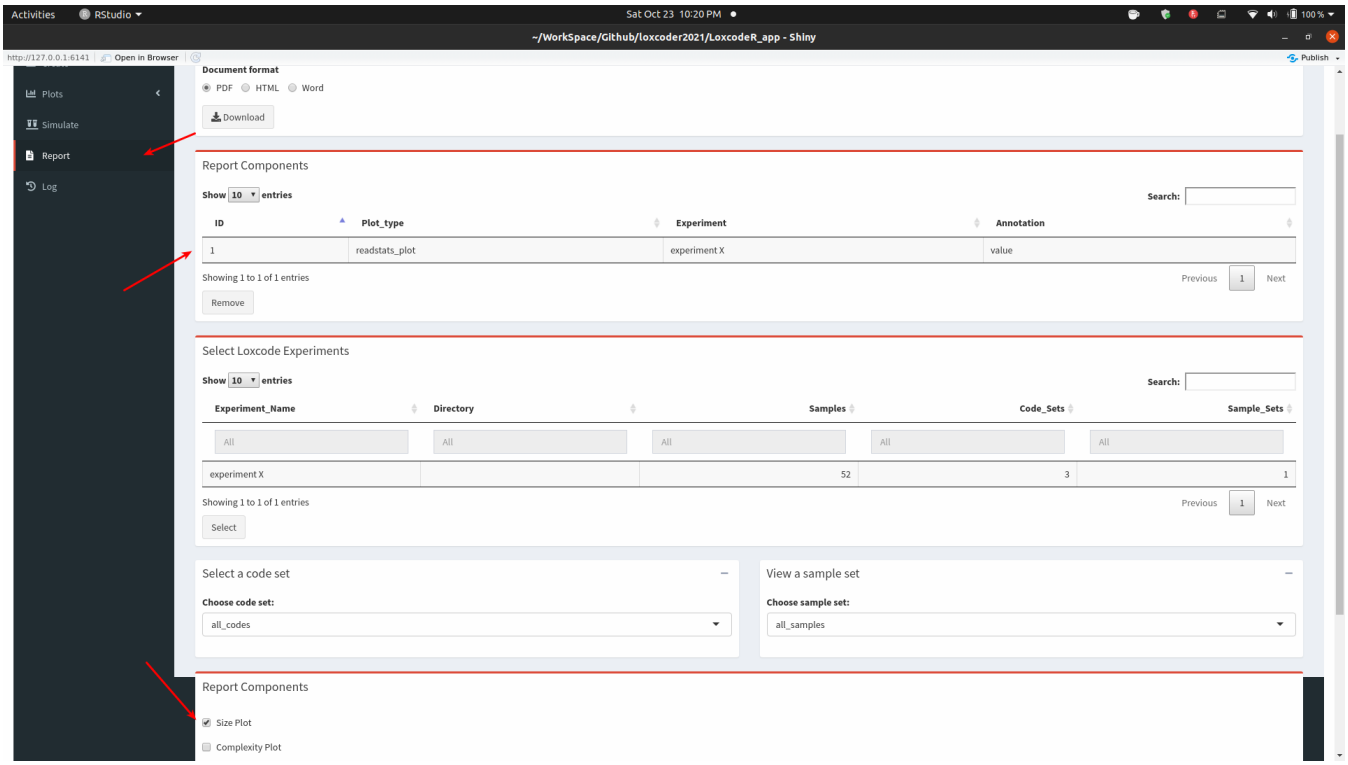
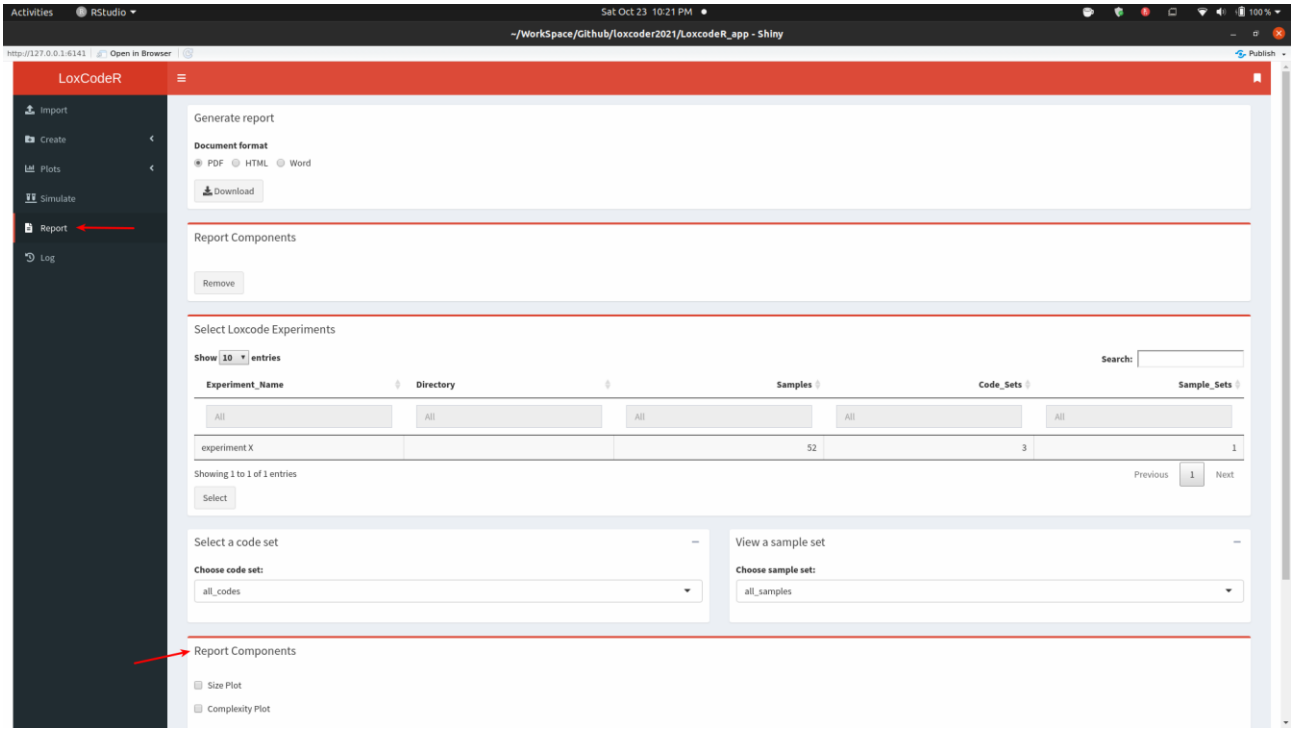
Future Improvement and functionalities to implement

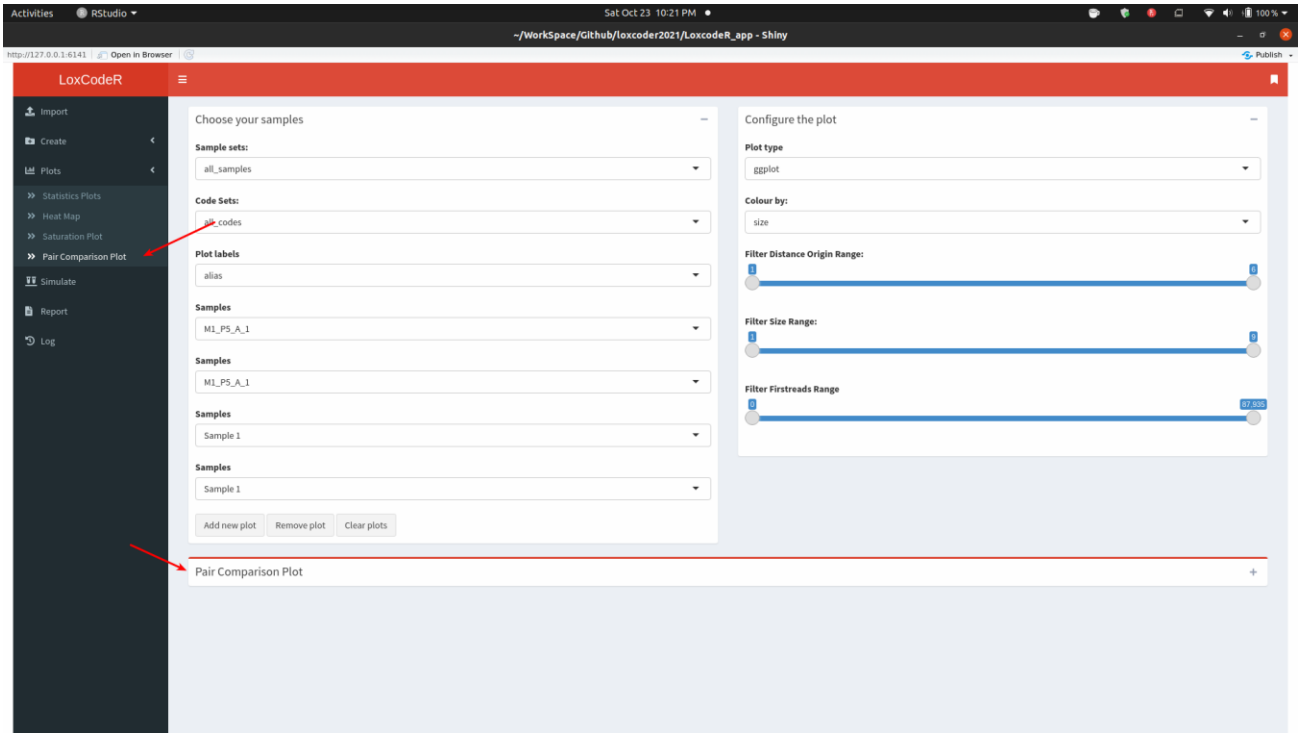
1. In Report tab remove plots when checkbox is unchecked



Remove the plots from report on unchecking the checkbox. Or have some other selection method like buttons. This is under report tab -> report components.

2. Work around to plot pair plot and also an option to add it to report

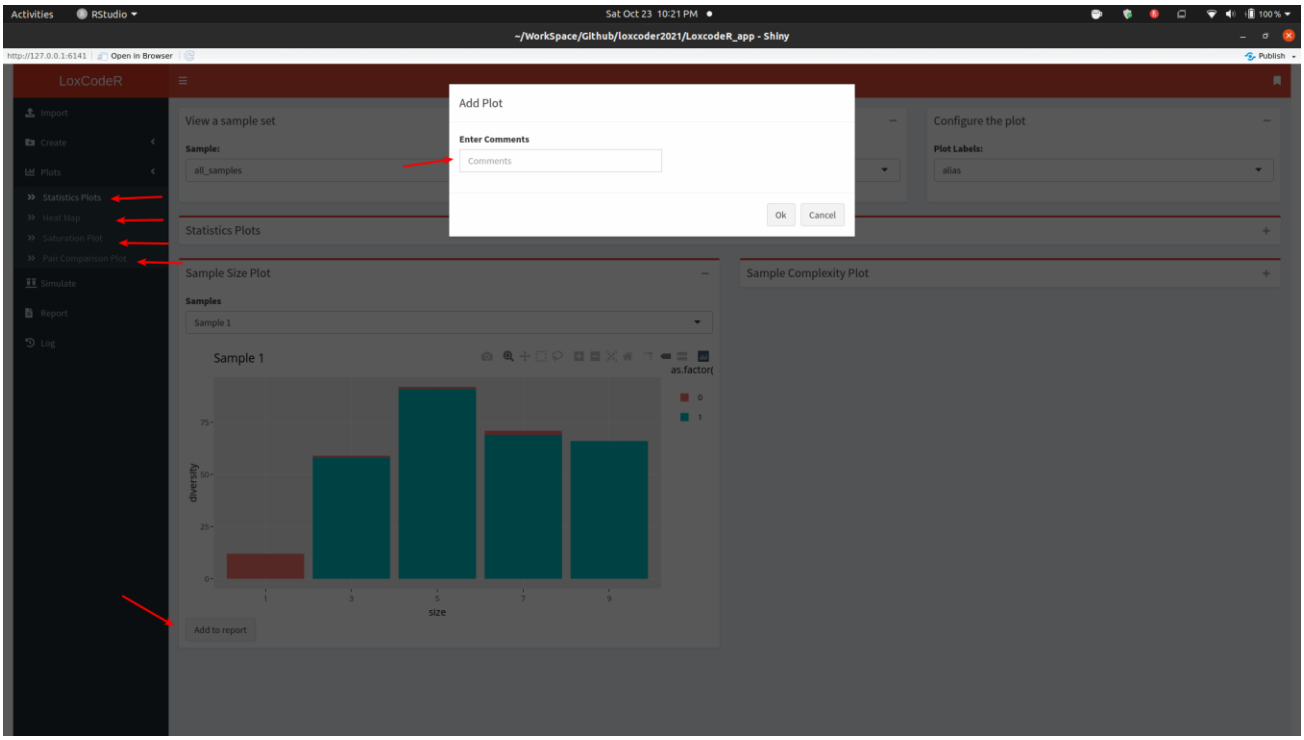




Currently the pair plot does not show up. On closing the app, we can see some plots plotted in the viewer. Need a way to plot in the app. Probably can be done by reducing the number of parameters

being passed to the pair plot. Along with this a way to add this graph to report needs to be looked at. There has to be a way to select which plots from the whole set needs to be included in the report.

3. Take input in the popup which comes up when we add plot to report from individual plot page.



When adding the plots from their individual page, a pop comes up. It has option for us to add some meta data. A way to store this text data and include it in report needs to be implemented.

4. Integrate Hierarchy prediction model into loxcoder app

Python implementation of the model can be found under loxecoder/Network Inference. File name is Hierarchy predictor.ipynb. There are 2 different implementations. One with random forest and one with neural net. Depending on the size of data we can use the 2 models.

For prediction we can split a single test data into sets of 50. We can then make prediction on these sets. We can then select the hierarchy based on highest probability or majority voting.

This has to be integrated with the loxcoder app. This can be done by creating a flask API for the model and this API can be called from the app.

5. Add code set and sample set to the report

A compact way to add code set and sample set to the report needs to be implemented. Putting the whole code set would take up a lot of space in the report and wouldn't be understandable.