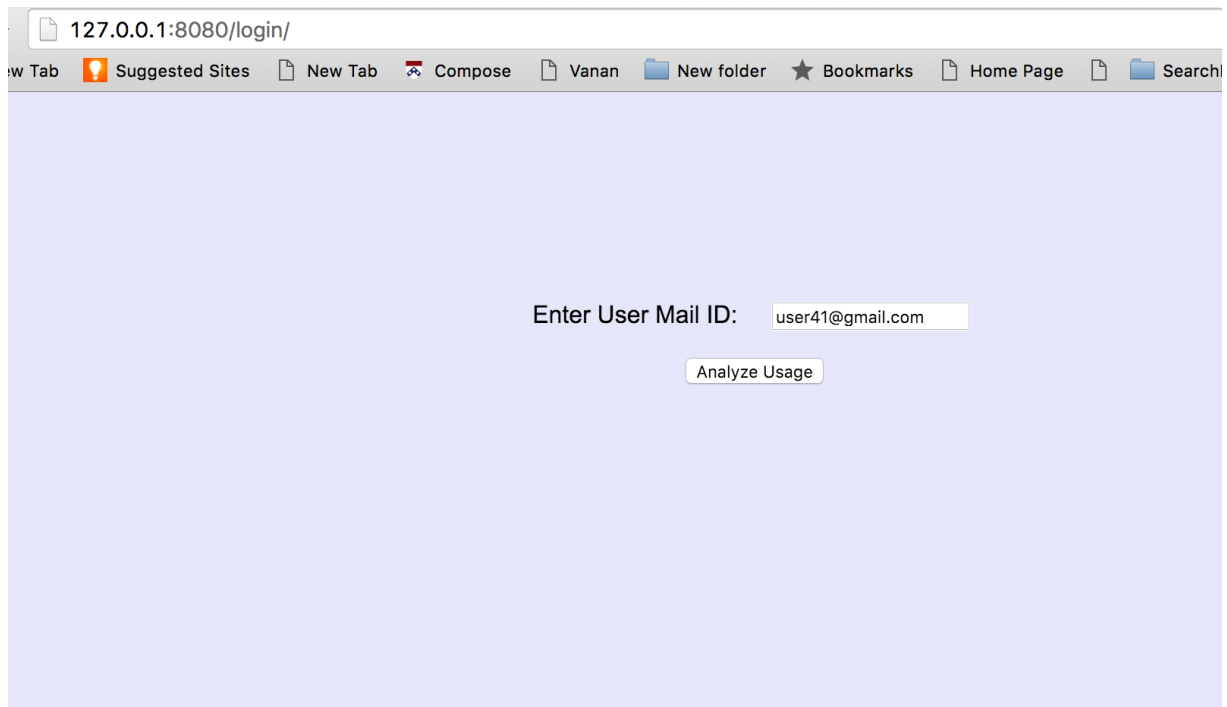


Running instruction

Move on to biobotsChallenge folder and run manage.py: **`./manage.py runserver 8080`**

Trial Run

1. Login Page: <http://127.0.0.1:8080/login/>



2. Clicking on “Analyze Usage” takes to a page where the statistics of different print features are displayed along with options for viewing the BoxPlots

User Statistics

DeadPercent

Mean: 35.9339393939
Max: 123.64
Min: 0.33
Median: 27.21
Std. Dev: 26.8460950612
Frequent values: <<Empty>>

LivePercent

Mean: 59.1575757576
Max: 94.75
Min: -33.49
Median: 67.24
Std. Dev: 27.5158331819
Frequent values: <<Empty>>

Elasticity

Mean: 40.2374747475
Max: 104.99
Min: 1.75
Median: 38.15
Std. Dev: 23.9883192384
Frequent values: <<Empty>>

Extruder1 Pressure

Mean: 61.6565656566
Max: 119.0
Min: 3.0
Median: 58.0
Std. Dev: 36.9669354788
Frequent values: 99.0

Extruder2 Pressure

Mean: 59.6161616162
Max: 119.0
Min: 2.0
Median: 58.0
Std. Dev: 32.3345733557
Frequent values: 80.0

Enabled %

False 0.616162
True 0.383838
Name: cl_enabled

Duration

Mean: 0.0
Max: 0
Min: 0
Median: 0.0
Std. Dev: 0.0
Frequent values: 0

Intensity

Mean: 24.5454545455
Max: 99
Min: 0
Median: 0.0
Std. Dev: 35.5522819174
Frequent values: 0

Number of Layers

Mean: 24.9191919192
Max: 48
Min: 2
Median: 25.0
Std. Dev: 13.5282597397
Frequent values: 8

Layer Height

Mean: 0.467676767677
Max: 0.9
Min: 0.1
Median: 0.4
Std. Dev: 0.239399027681
Frequent values: 0.4

WellPlate Info

Frequently Occuring WellPlate Type: 6 24

Visualize Print Data(DeadPercent, LivePercent and Elasticity)

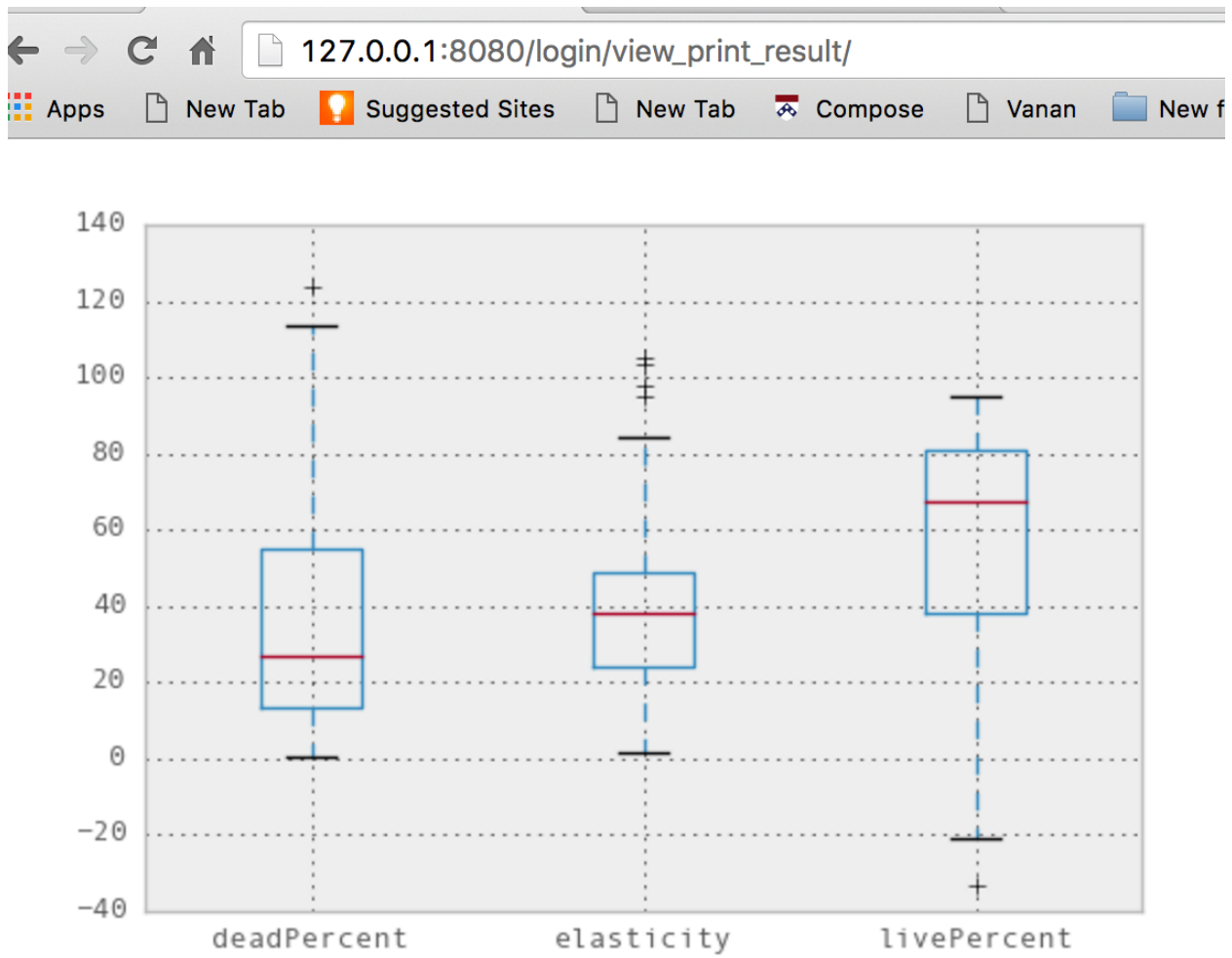
Visualize Pressure(Extruder 1, 2)

Visualize CrossLinking(Duration, Intensity)

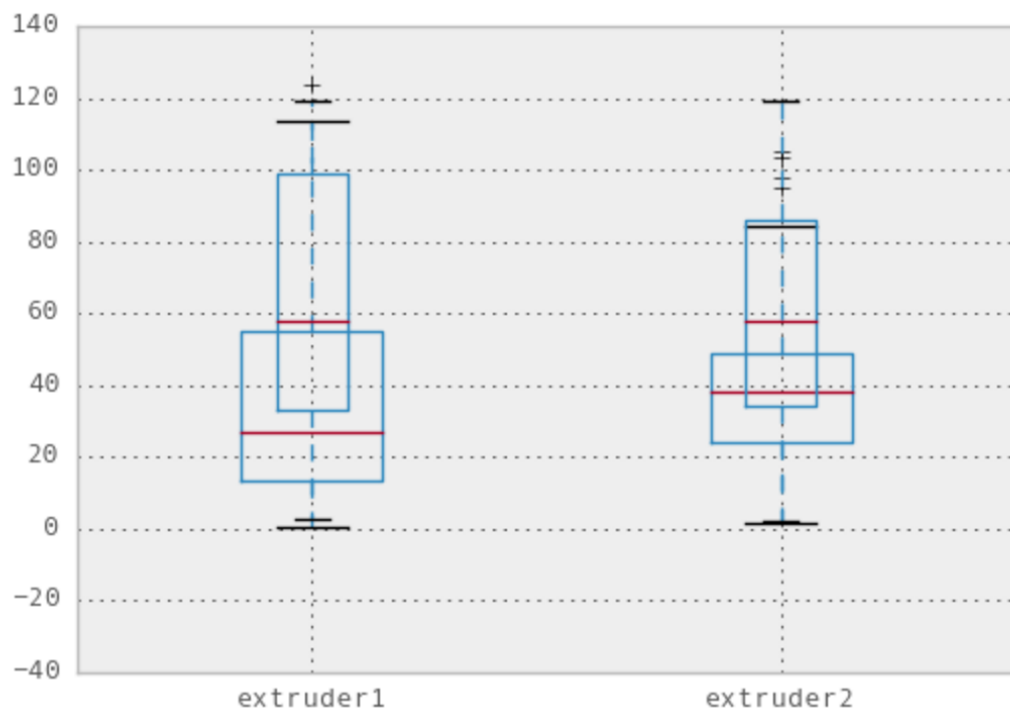
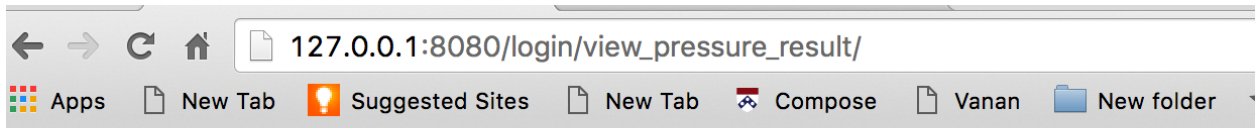
Visualize Number of Layers

Visualize Layer Height

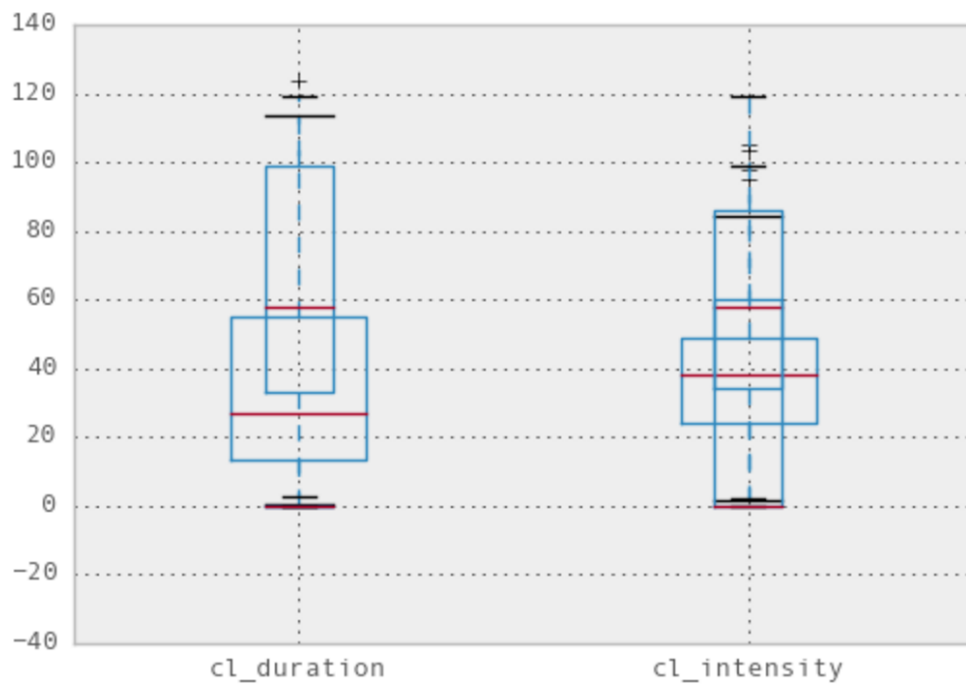
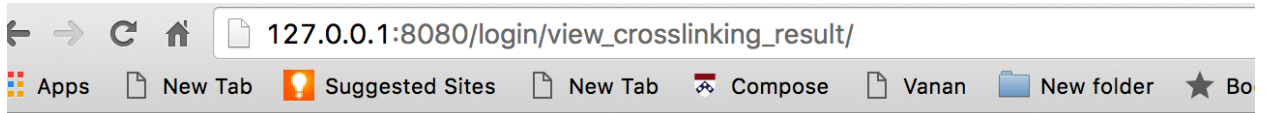
3. Visualize Print Data



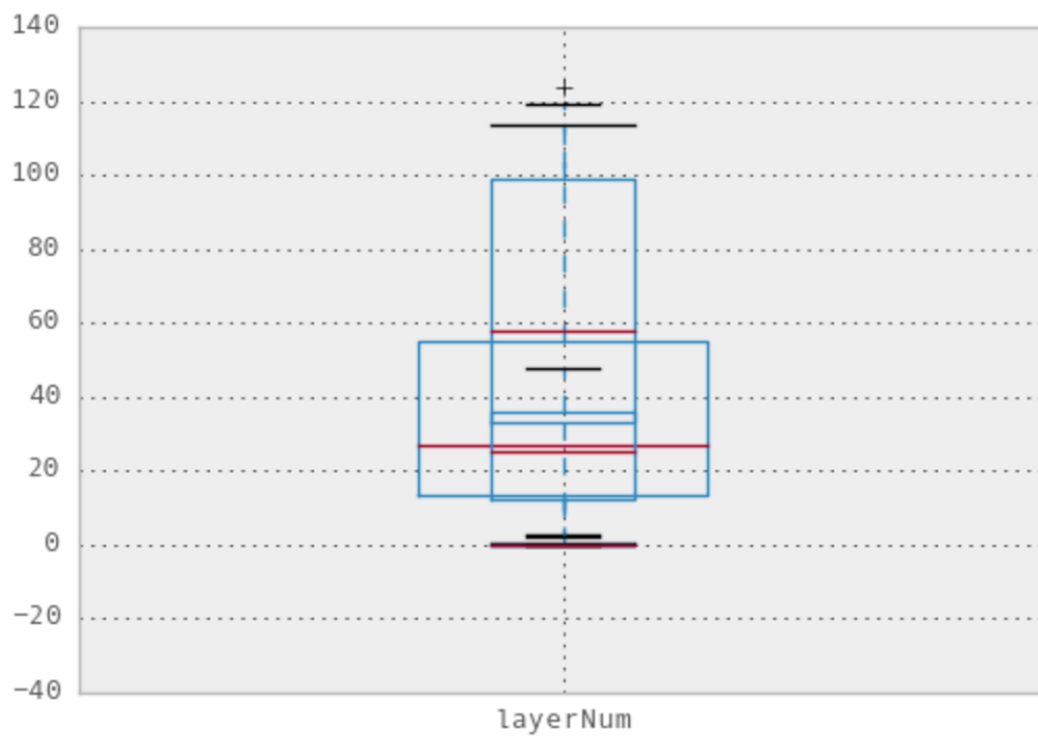
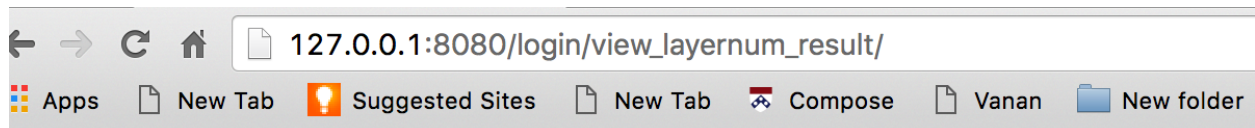
4. Visualize Pressure Result



5. Visualize CrossLinking Result



6. Visualize Number of Layers



7. Visualize Layer Height

