Plan for BIOF309 project:

Read csv,

Draw scatter plot of M & F wt and mutants

Draw boxplot

Groupby?

Summary stats?

Select by sex and genotype to get RBC values

Will need to do this for 4 groups M wt, F wt, M mut, F mut

[] <- normally to select columns.

Can index to select rows [1:4] will do 2nd-4th rows

Brics.loc. label based

Brics.loc[“RU”] pulls out one row

Bricsloc[ [“RU”]] pulls out that row as a dataframe

Get column as series Male rows = brics[“area”] == “M”

Get a Boolean series out as a result, use this Males rows to select

Brics[brics[“area”] == “M”]

**import** pandas **as** pd  
df = pd.read\_csv(**'graphDataDump\_MGI\_1917004-2.csv'**) #file download as csv  
print(df)  
  
df.data\_point #gets series of values from the “data\_point” colimn in df

df.biological\_sample\_group # experimental versus control

df[df[‘biological\_sample\_group’] == “experimental”]