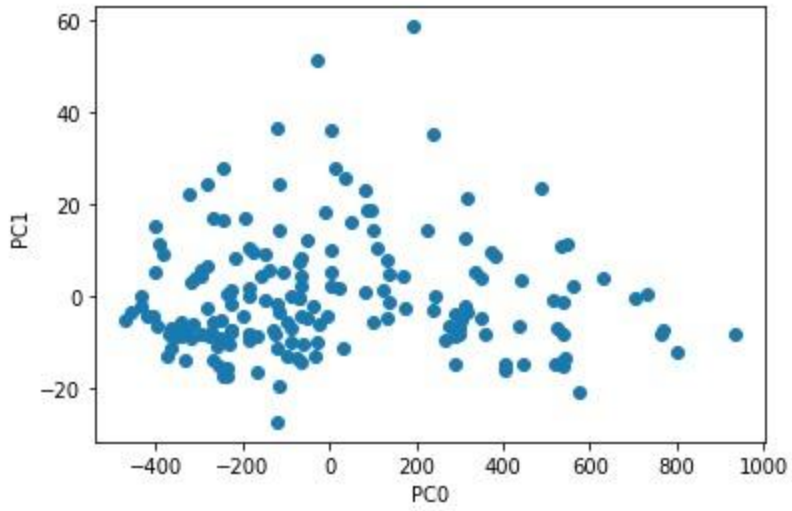
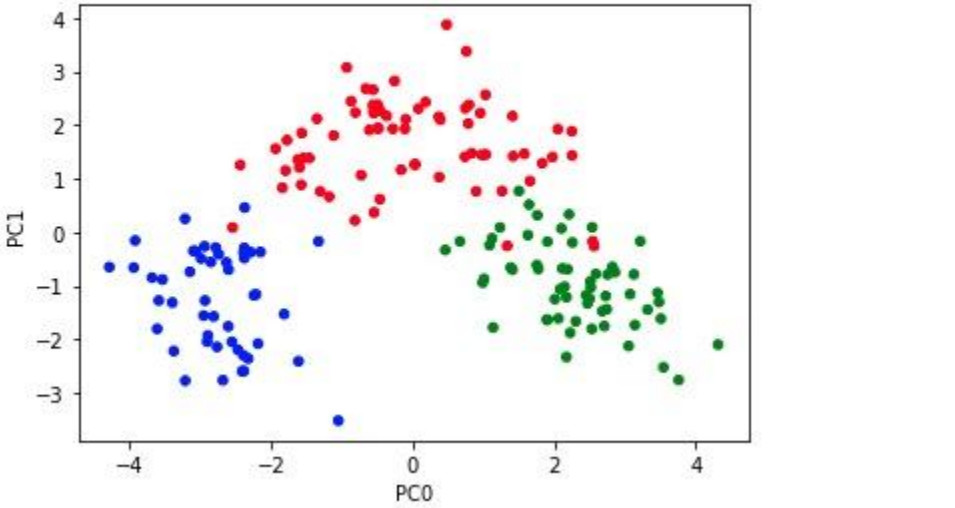
```
plot.scatter(df3[:,0], df3[:, 1])
plot.xlabel('PC0')
plot.ylabel('PC1')
plot.show()
```



178 rows × 4 columns

```
<matplotlib.axes._subplots.AxesSubplot at 0x7fc0b0c4e370>
```



```
mle_arr = make_array()
for lam in lambs:
  #print(lam)
  mle_arr = np.append(mle_arr, likihood(lam))

# plot the PMF for each possible lambda value depend on the simulated data
plots.plot(lambs, mle_arr)

# from the plot of the curv, looks the PMF lambda value is little bit different than the
# than the mean value 50 and maybe due to the quality of simulated data
```

```
[<matplotlib.lines.Line2D at 0x7f10e40936d0>]
```