Client frequencies:

```
client_ 0 freq: [1357 1480 1603 1726 1850 1973 2096 2220 2343 2466]
client_ 1 freq: [243 265 287 309 331 353 375 397 419 441]
client_ 2 freq: [3135 3420 3705 3990 4275 4560 4845 5130 5415 5700]
client_ 3 freq: [1970 2149 2328 2507 2686 2865 3045 3224 3403 3582]
```

	Accuracy	Loss
Norm	<pre>for i in range(len(pdfs)): for j in range(i+1,len(pdfs)): print(i," and ", j , stats.was</pre>	<pre>for i in range(len(pdfs)): for j in range(i+1,len(pdfs)): print(i," and ", j , stats.wasserst</pre>
	0 and 1 1.1316950932567083 0 and 2 16.789943005620493 0 and 3 9.708723438735062 1 and 2 17.892796430680484 1 and 3 10.80858591890214 2 and 3 7.084210511778343	0 and 1 1.589712839613521 0 and 2 2.4618447346270234 0 and 3 1.2872063294604323 1 and 2 4.051557574240545 1 and 3 2.872169320055356 2 and 3 1.1793882541851883
	<pre>shape, loc, scale = stats.gamma.fit(gl pdf_global = stats.gamma.pdf(global_lo for i in range(len(pdfs)): print(i," and global: " , stats.wa</pre>	<pre>shape, loc, scale = stats.gamma.fit(global_ pdf_global = stats.gamma.pdf(global_loss_li) for i in range(len(pdfs)): print(i," and global: " , stats.wassers</pre>
	0 and global: 1751631362.9410932 1 and global: 1751631362.5086415 2 and global: 1751631376.031605 3 and global: 1751631370.533872	0 and global: 1751631362.639029 1 and global: 1751631363.1257498 2 and global: 1751631364.5361264 3 and global: 1751631363.6473703
Gamma	print(i, "and ", j , stats.wasserstein_C 0 and 1 54717527503560.66 0 and 2 2619302465.973565 0 and 3 32223122.089287713 1 and 2 54714908201097.61 1 and 3 54717495280441.984 2 and 3 2587079344.469823	0 and 1 23293.67582116507 0 and 2 2642966087.701834 0 and 3 86836338.94386089 1 and 2 2642989381.0476484 1 and 3 86859632.27898744 2 and 3 2556129748.768661
	<pre>shape, loc, scale = stats.gamma.fit(global_loss pdf_global = stats.gamma.pdf(global_loss_list, s) for i in range(len(pdfs)): print(i," and global: " , stats.wasserstein 0 and global: 1751631312.3499918 1 and global: 54715775872251.2 2 and global: 867671153.9460524 3 and global: 1719408190.8830602</pre>	<pre>shape, loc, scale = stats.gamma.fit(global_ pdf_global = stats.gamma.pdf(global_loss_li for i in range(len(pdfs)): print(i," and global: " , stats.wassers 0 and global: 1751608069.7465165 1 and global: 1751631363.2008057 2 and global: 891358018.1219131 3 and global: 1664771762.0599706</pre>
Lognorm	for i in range(len(pdfs)): for j in range(i+1,len(pdfs)): print(i," and ", j , stats.wasserste 0 and 1 55254380325754.164 0 and 2 16.07790006404852 0 and 3 9.04984103066352 1 and 2 55254380325751.23 1 and 3 55254380325751.23 2 and 3 7.04678114945583 shape, loc, scale = stats.gamma.fit(global_l pdf_global = stats.gamma.pdf(global_loss_lis) for i in range(len(pdfs)): print(i," and global: " , stats.wasserst 0 and global: 1751631363.2840414 1 and global: 55252628694393.89 2 and global: 1751631376.009677 3 and global: 1751631370.5441334	0 and 1 1.5962046520864261 0 and 2 1152032554.6114473 0 and 3 828319716.0062158 1 and 2 1152032555.8887386 1 and 3 828319717.1620903 2 and 3 323712838.75998193
		<pre>shape, loc, scale = stats.gamma.fit(global_loss pdf_global = stats.gamma.pdf(global_loss_list, : for i in range(len(pdfs)): print(i," and global: " , stats.wasserstein 0 and global: 1751631362.6457176 1 and global: 1751631363.124102 2 and global: 599598829.1823409 3 and global: 923311661.1644437</pre>

```
Beta
                      for i in range(len(pdfs)):
                                                                              0 and 1 1326423760265.2085
                         for j in range(i+1,len(pdfs)):
    print(i," and ", j , stats.wasserste
                                                                               0 and 2 2797271921268.4023
                                                                              0 and 3 4987275998778.207
                      0 and 1 472447182945,1053
                                                                              1 and 2 1470848161004.5254
                        and 2 1633923312858.529
                                                                               1 and 3 3660852238514.3296
                      9 and 3 39858645448885.793
                                                                               2 and 3 2190004078257.9138
                      1 and 2 1161476130514.6243
                        and 3 30386198265965.234
                        and 3 29224722136028.8
                                                                               shape, loc, scale = stats.gamma.fit(global_lc
                                                                              pdf_global = stats.gamma.pdf(global_loss_list
                      shape, loc, scale = stats.gamma.fit(global_l
                      pdf_global = stats.gamma.pdf(global_loss_lis
                                                                              for i in range(len(pdfs)):
    print(i," and global: " , stats.wasserste
                      for i in range(len(pdfs)):
    print(i," and global: " , stats.wasserst
                                                                              0 and global: 17268452031.729095
                      0 and global: 1751371635.8632
                                                                              1 and global: 1343692212296.3552
                      1 and global: 470695811311.59385
2 and global: 1632171941224.898
3 and global: 30856894077252.176
                                                                              2 and global: 2814540373299.788
                                                                              3 and global: 5004544450809.597
Burr
                      0 and 1 472447182945.1053
                                                                              0 and 1 1326423760265.2085
                      0 and 2 1633923312858.529
                                                                              0 and 2 2797271921268.4023
                      0 and 3 30858645448885.793
                                                                              0 and 3 4987275998778.207
                      1 and 2 1161476130514.6243
                                                                              1 and 2 1470848161004.5254
                      1 and 3 30386198265965.234
                                                                              1 and 3 3660852238514.3296
                                                                              2 and 3 2190004078257.9138
                      2 and 3 29224722136028.8
                      shape, loc, scale = stats.gamma.fit(global
pdf_global = stats.gamma.pdf(global_loss_l
                                                                              shape, loc, scale = stats.gamma.fit(global_loss
                                                                              pdf_global = stats.gamma.pdf(global_loss_list,
                                                                              for i in range(len(pdfs)):
    print(i," and global: " , stats.wasserstein
                      for i in range(len(pdfs)):
    print(i," and global: " , stats.wasser
                                                                              0 and global: 17268452031.729095
                      0 and global: 1751371635.8632
                                                                              1 and global: 1343692212296.3552
                      1 and global: 470695811311.50385
                                                                              2 and global: 2814540373299.788
3 and global: 5004544450809.597
                      2 and global: 1632171941224.898
                       3 and global: 30856894077252.176
```