

```
def overlay_exp(array):  
    avg = avg_money(array)  
    beta = 1/avg  
  
    fig = plt.figure(figsize=(5,5))  
    ax = fig.add_subplot(111)  
  
    # now plot  
    data= array  
    counts, bins, bars = ax.hist(data, bins=100)  
    mon = np.linspace(0,max(array))  
    wn = []  
    for i in mon:  
        wn.append(max(counts)*m.exp(-beta*i))  
    h = ax.plot(mon, wn, lw=2, color='r')  
  
    #Nice-ness  
    plt.xlabel("Amount of Money that The Individual Possesses")  
    plt.ylabel("Counts of Histogram")  
    plt.title("Distribution of Wealth")  
  
    # show  
    plt.show()
```