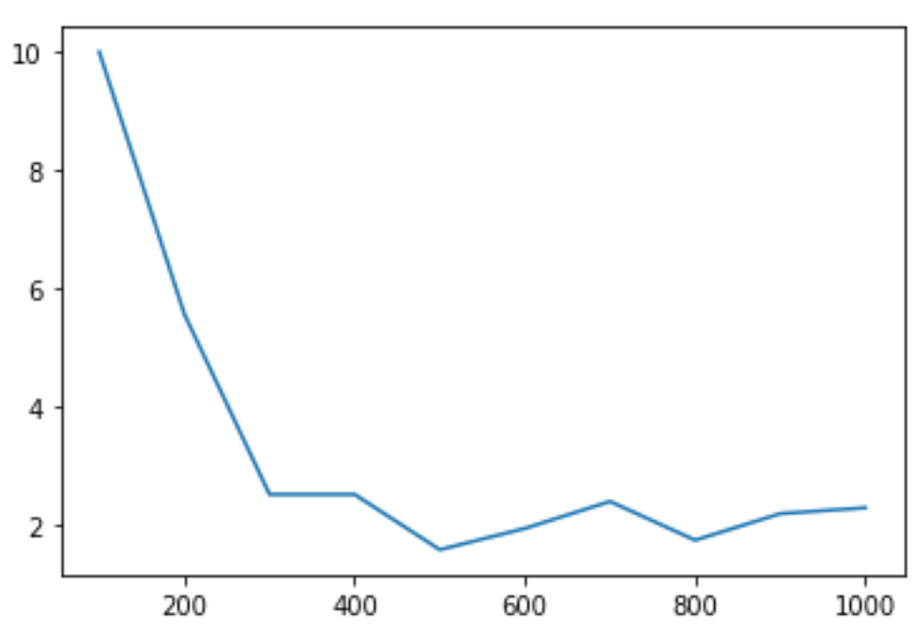
Ready

Run notebook

```
def meanD(N_s, N, M, T0, T1):
    n = 10
    k = 10
    t_r = 1000
    T = np.linspace(T0, T1, k)
    meanDs = list()

    for t in T:
        N_s = int(t_equili(t, T0)) + t_r * n
        print(N_s)
        grid, epsilon, initGrid = MC(N_s - t_r * n, N, M, t)

        mean_d_T = []
        mean_d_T.append(totalEnergy(grid))
        for i in range(n):
            grid, epsilon_n, initGrid_n = MC(t_r, N, M, t, grid, S = True)
            grid = copy.copy(grid)

            Mathias Nordal, size = cluster(grid, N)

            mean_d_T.append(mean(size))

        meanDs.append(mean(mean_d_T))

    return T, meanDs


T, meanDs = meanD(1000, 15, 25, 100, 1000)
plt.plot(T, meanDs)
plt.show()
```

```
120000
80653
56787
42313
33533
28208
24978
23019
21831
21110
```



+ Block + Code ⌘ + J