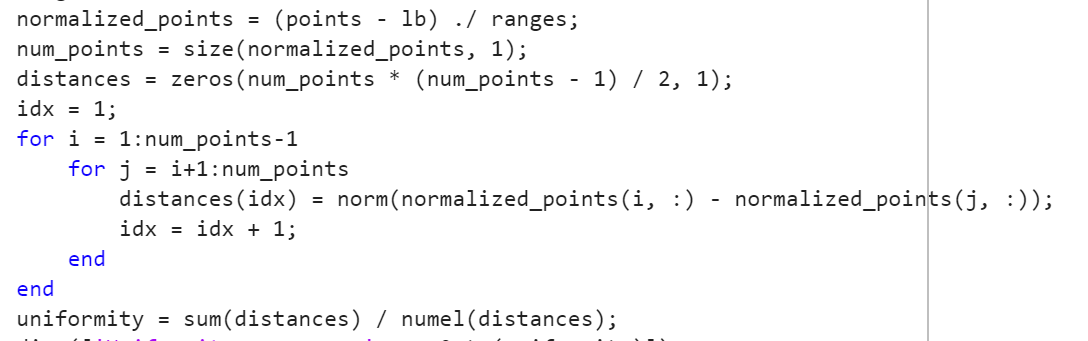
**Problem1:**

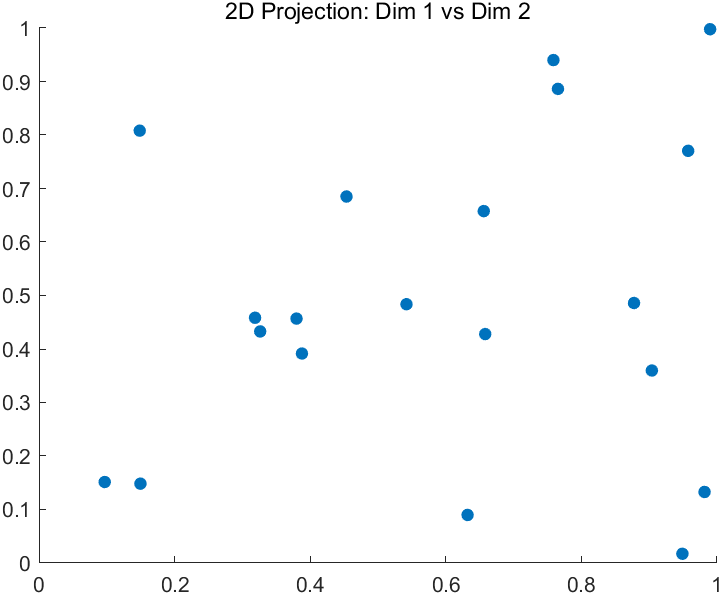
**Main code:**



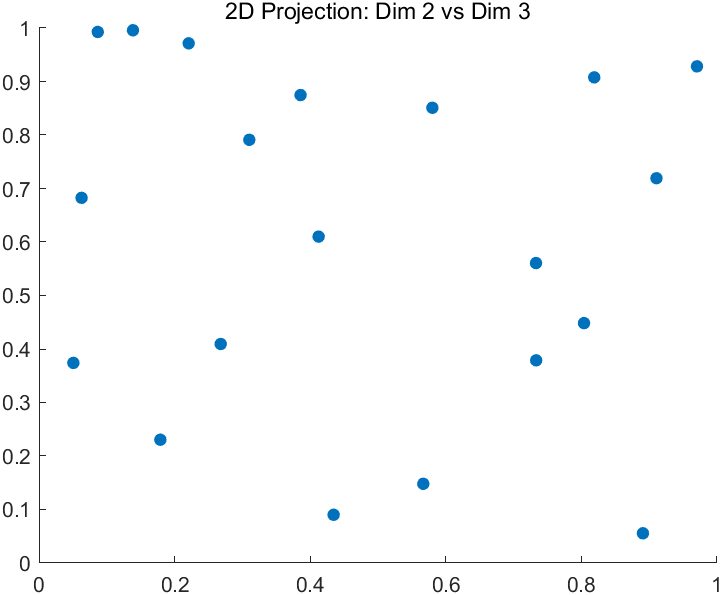
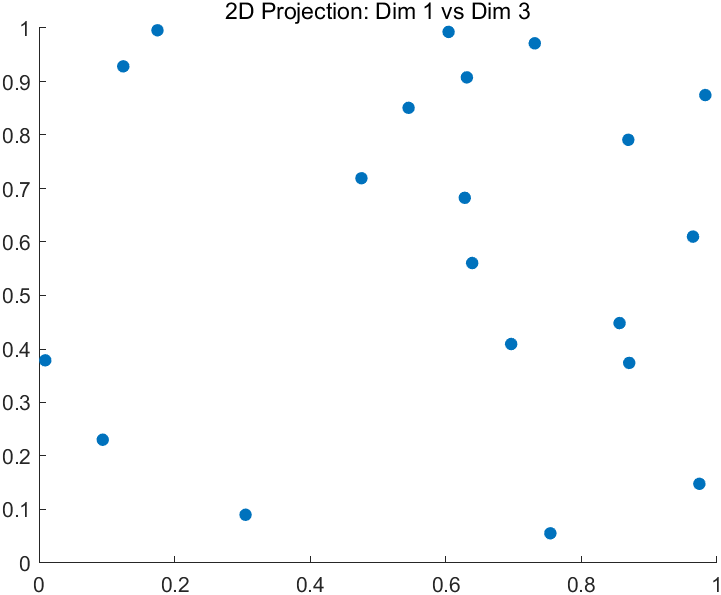
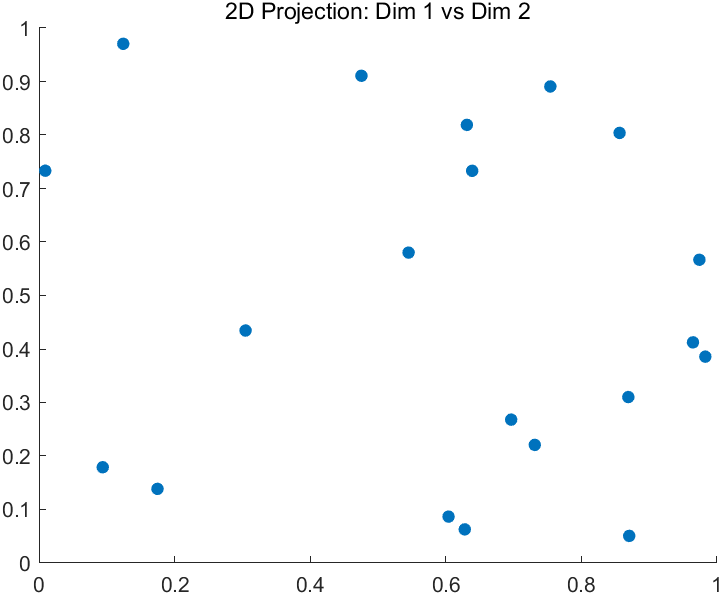
**Result:**

N=2:



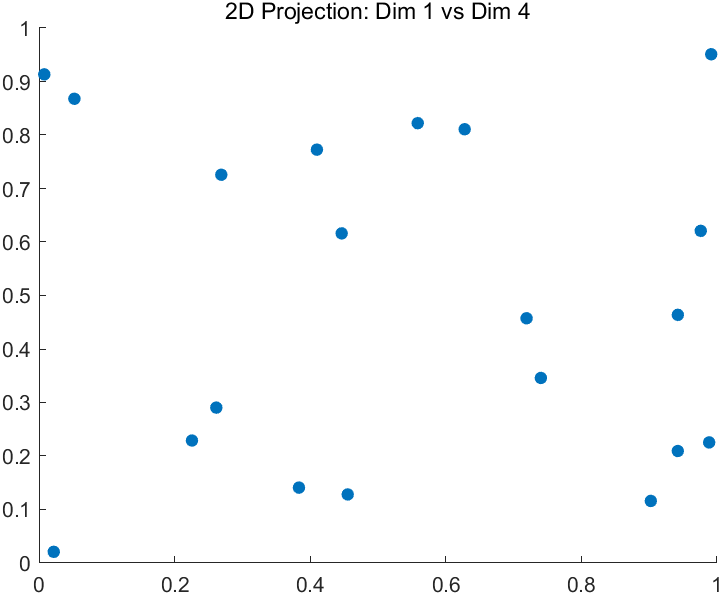
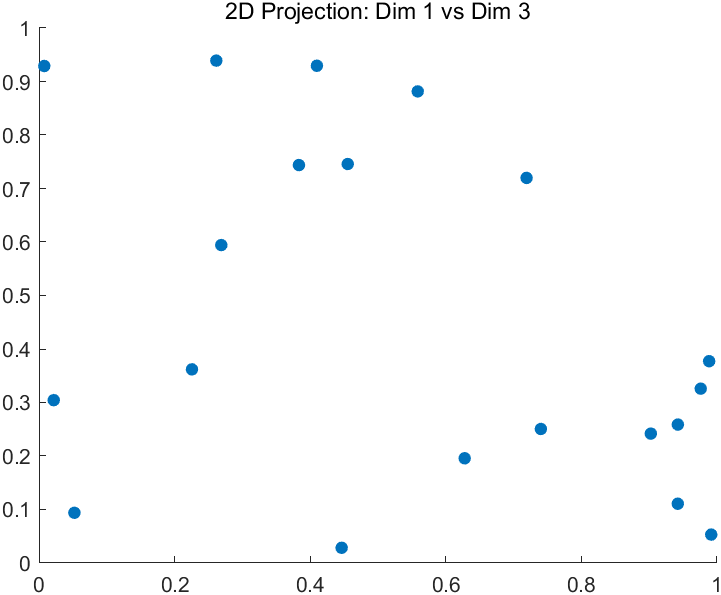
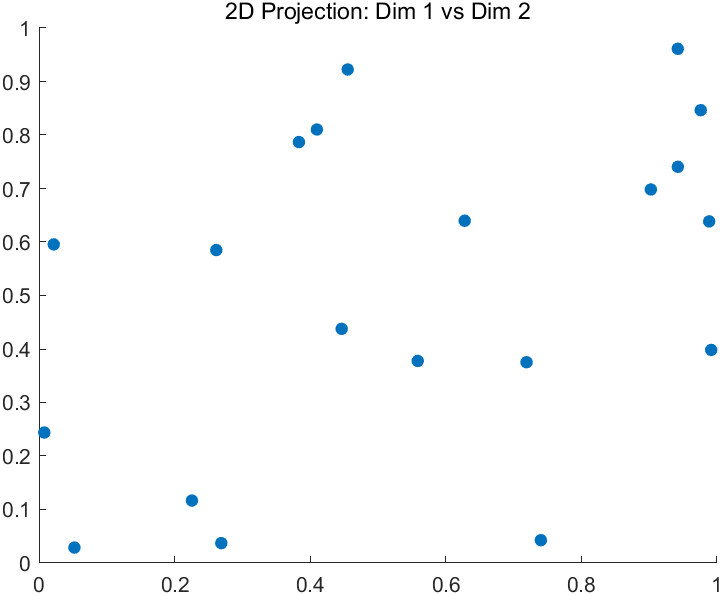


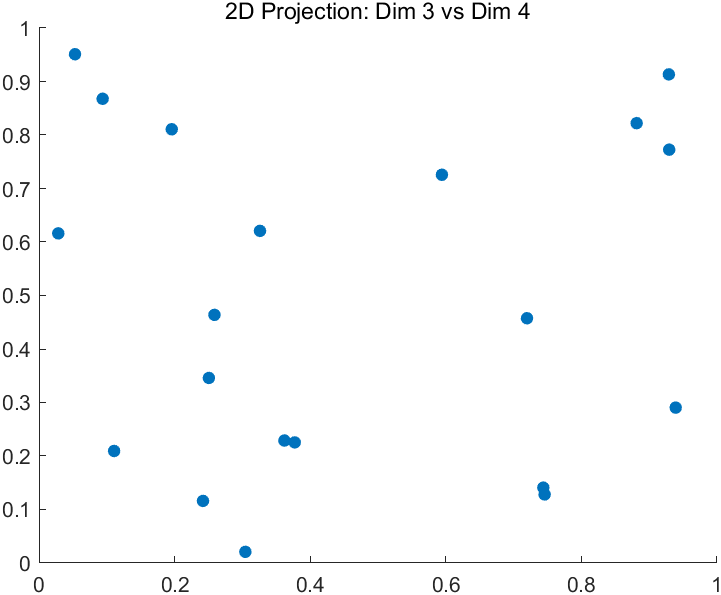
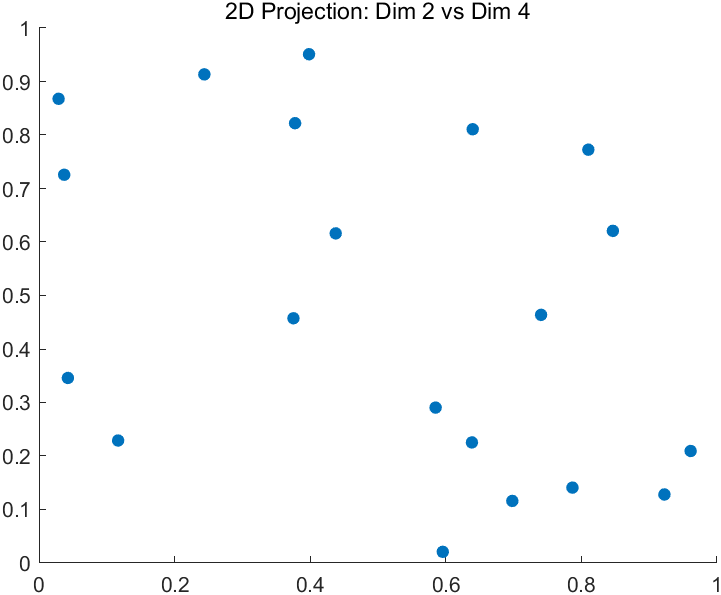
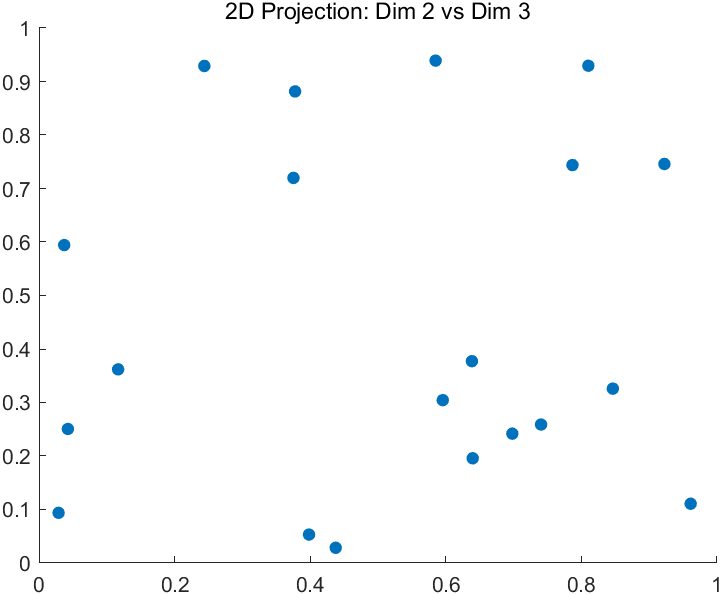
N=3:  

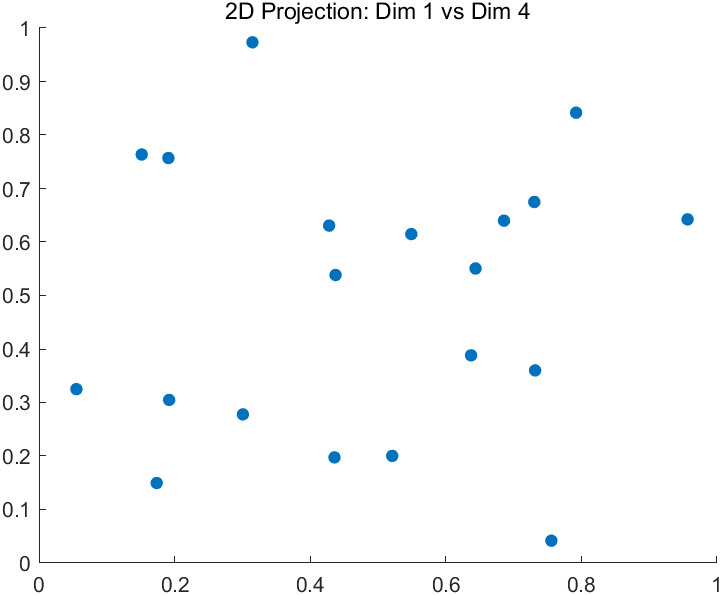
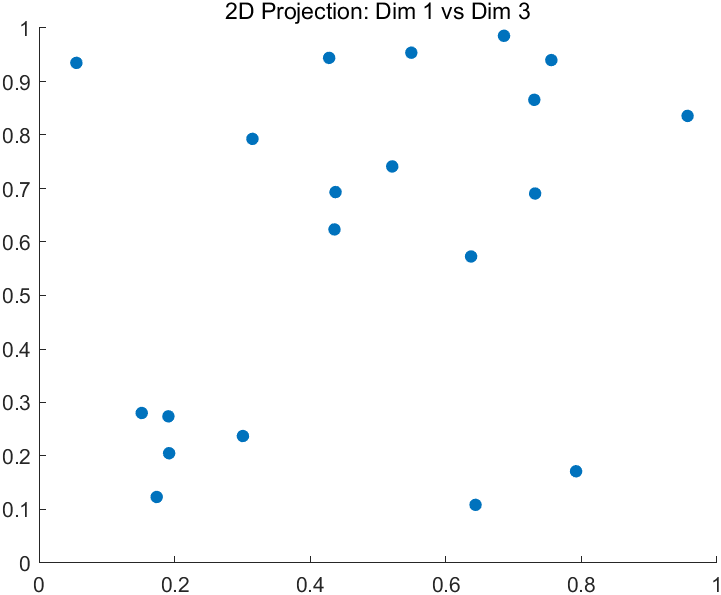
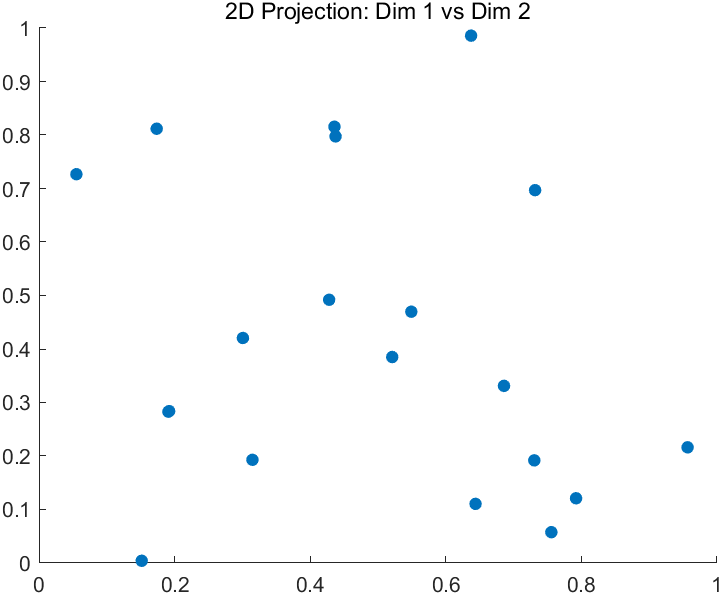
N=4:

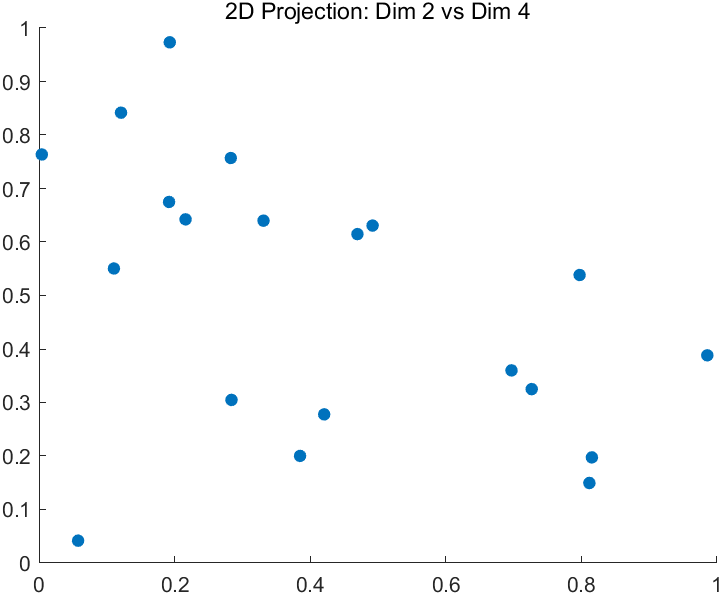
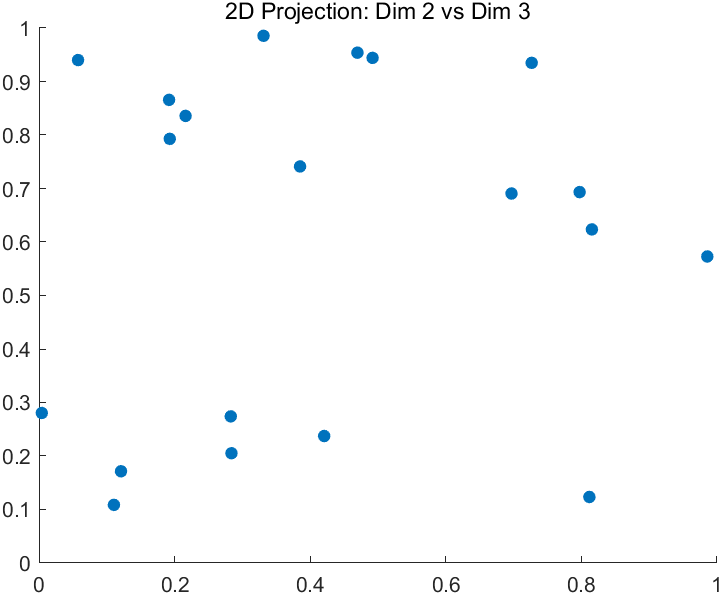
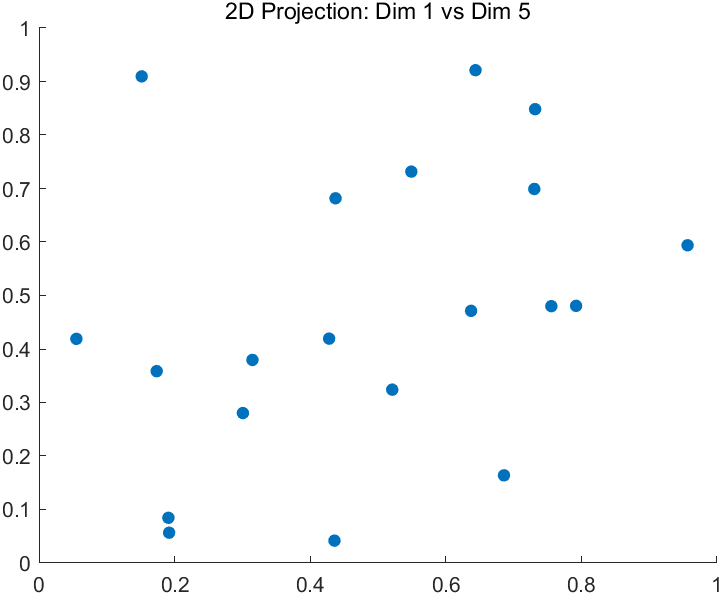


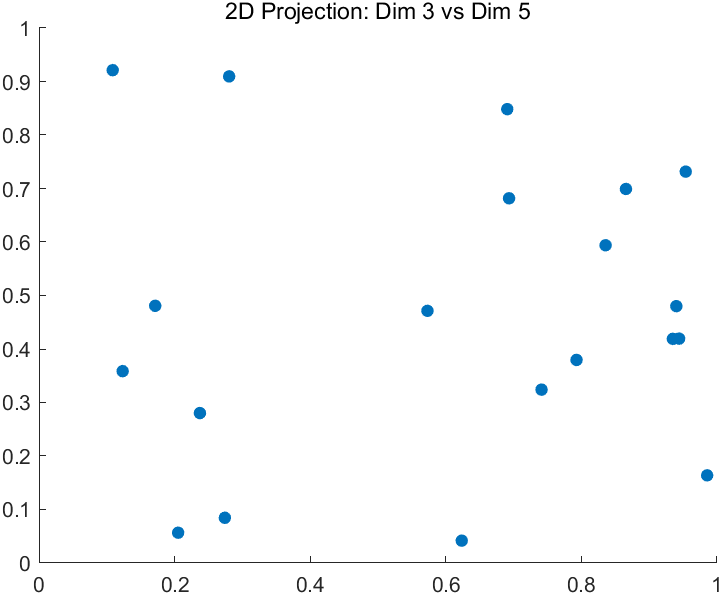
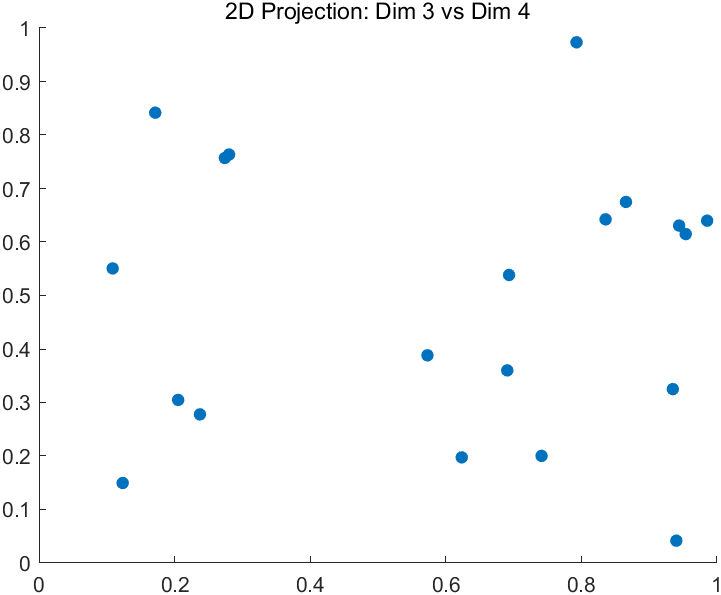
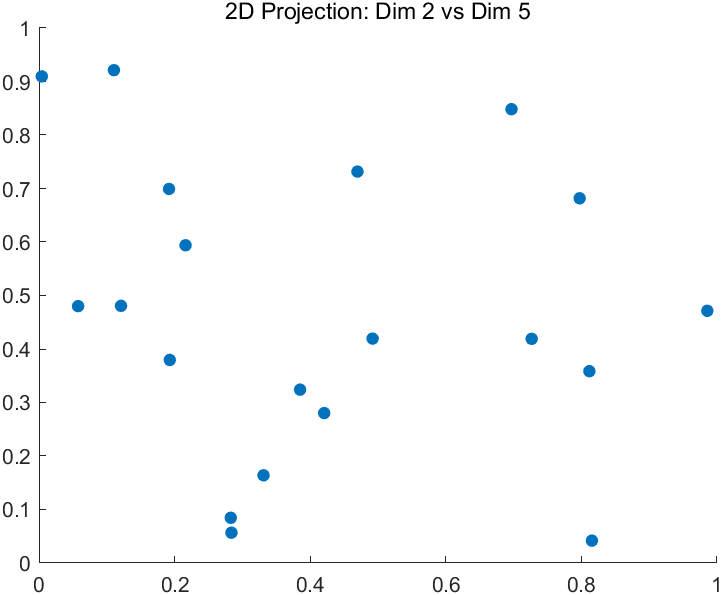


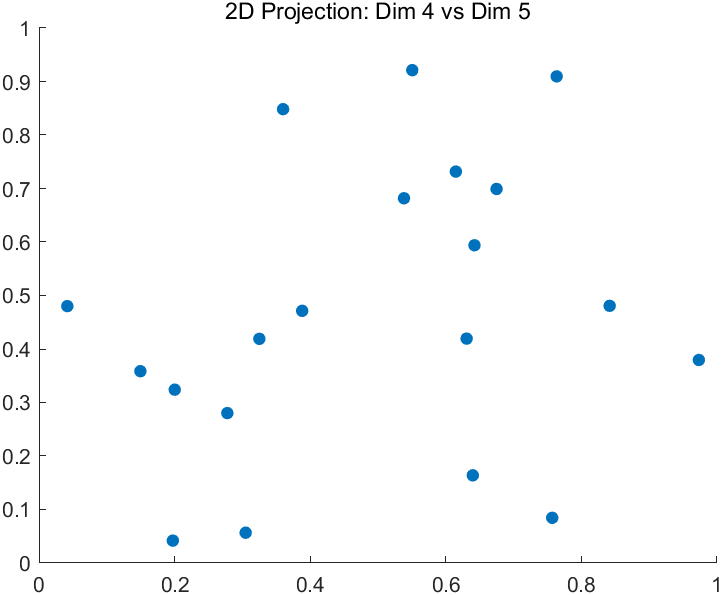


N=5:



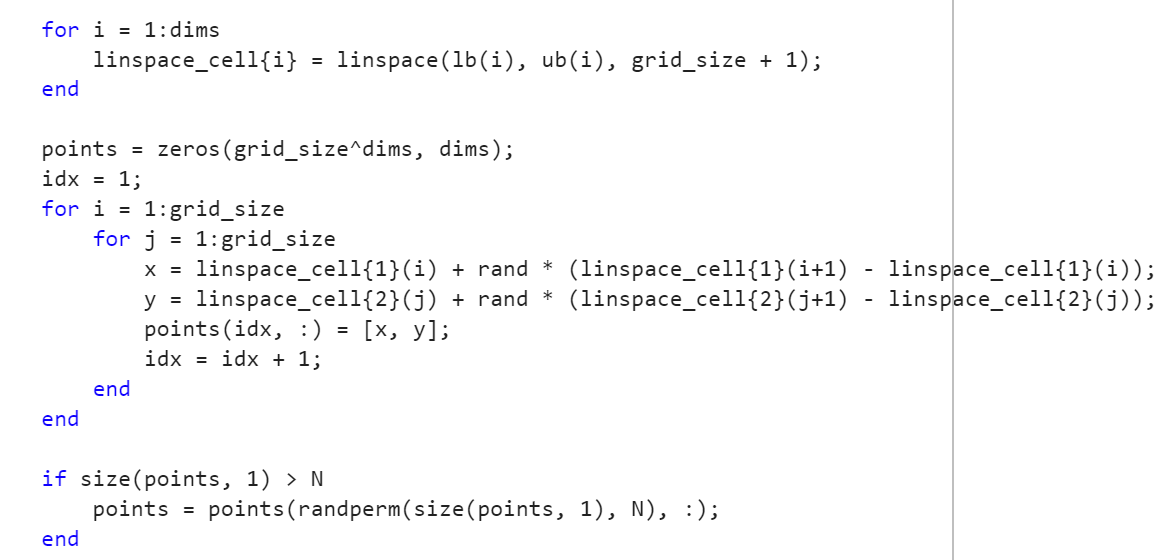




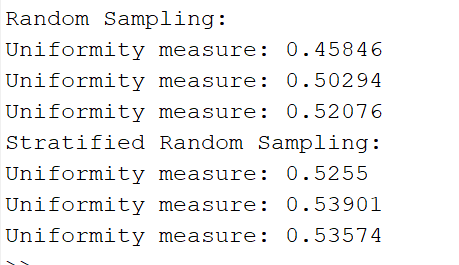


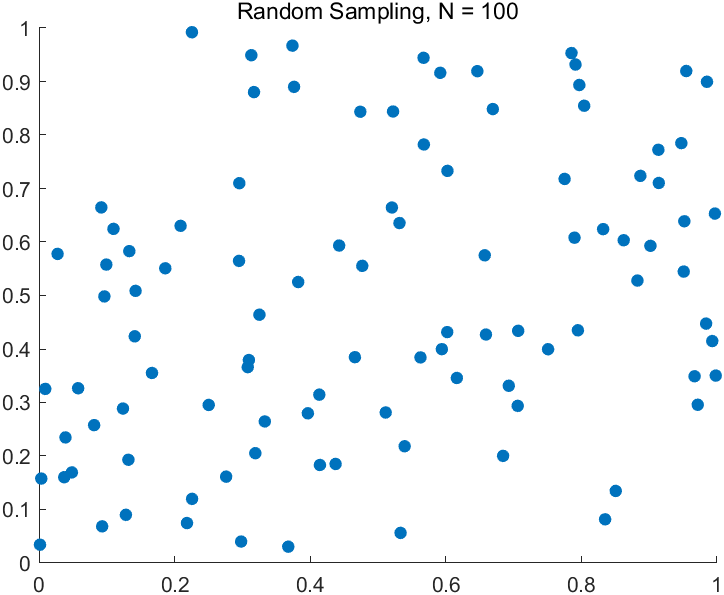
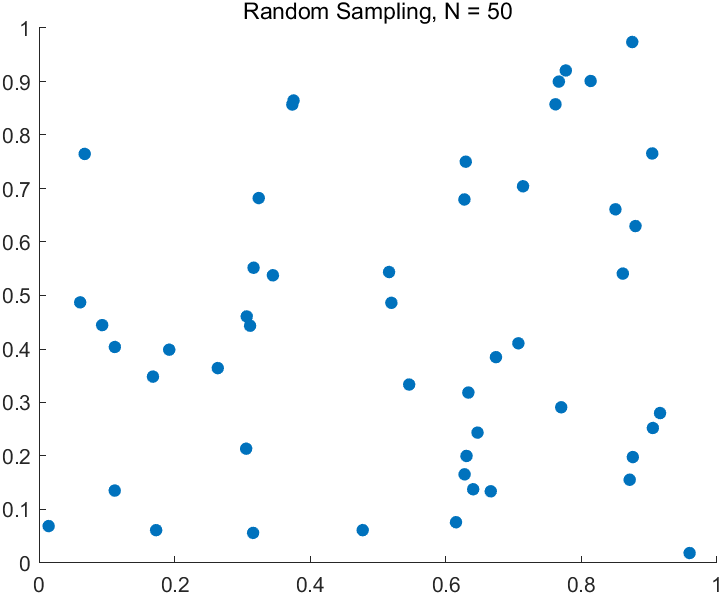
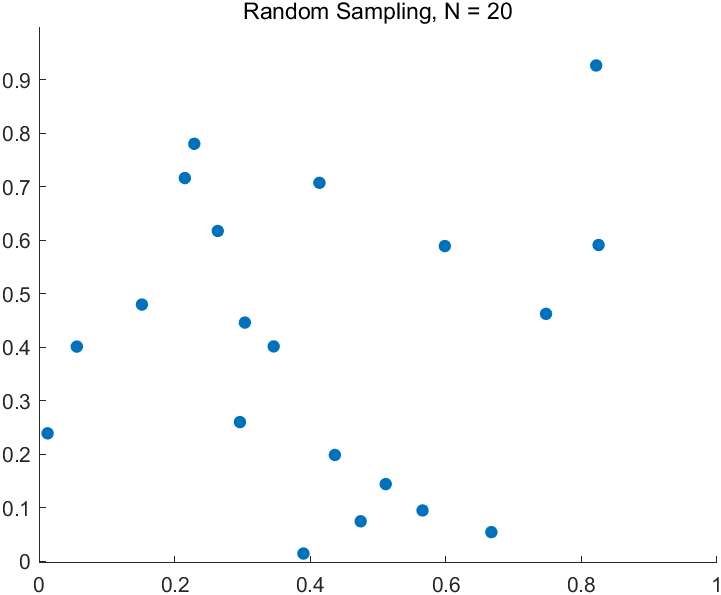
**Problem2:**

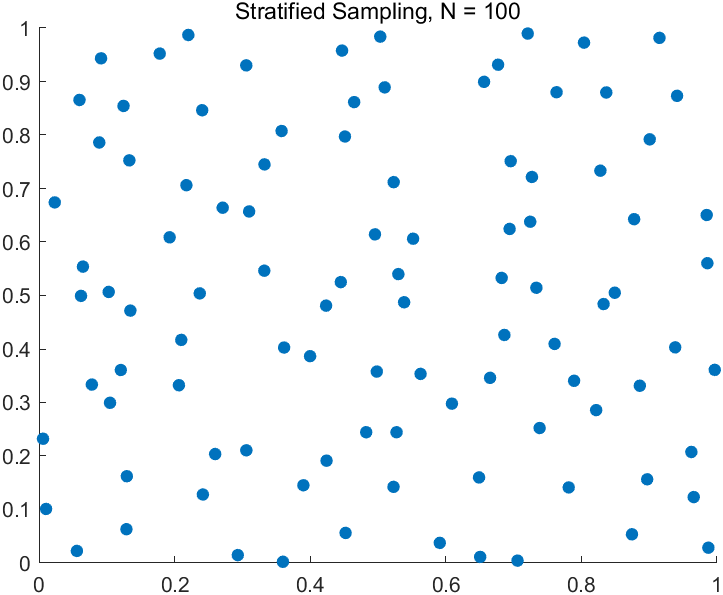
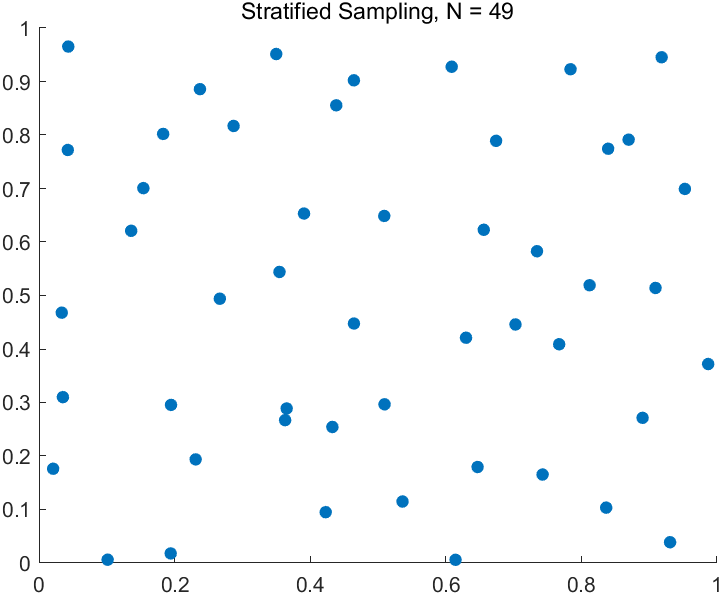
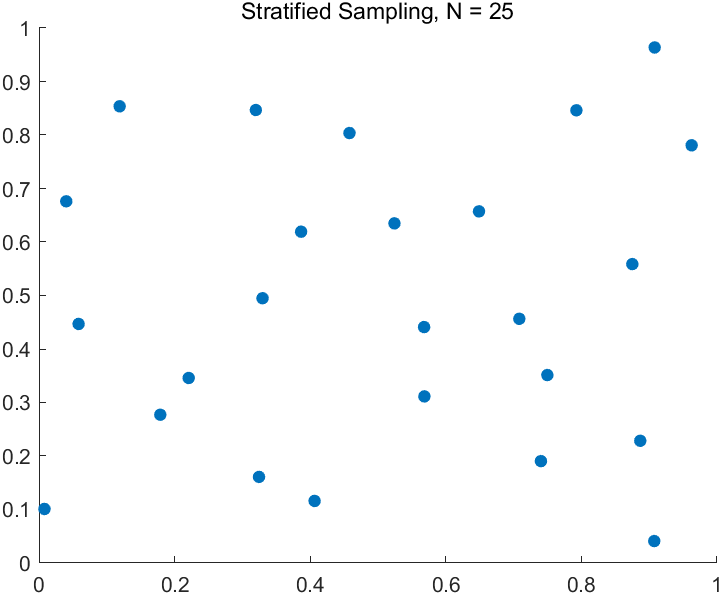
**Main code:**



**Result:**

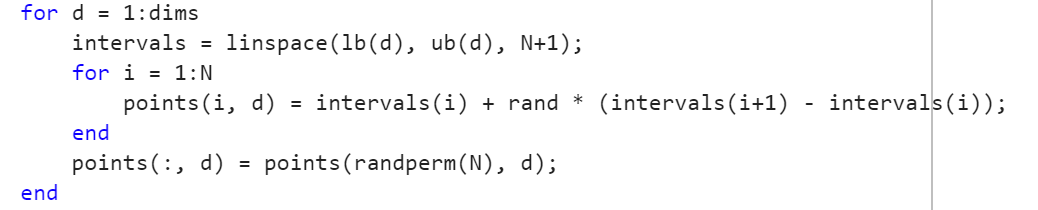




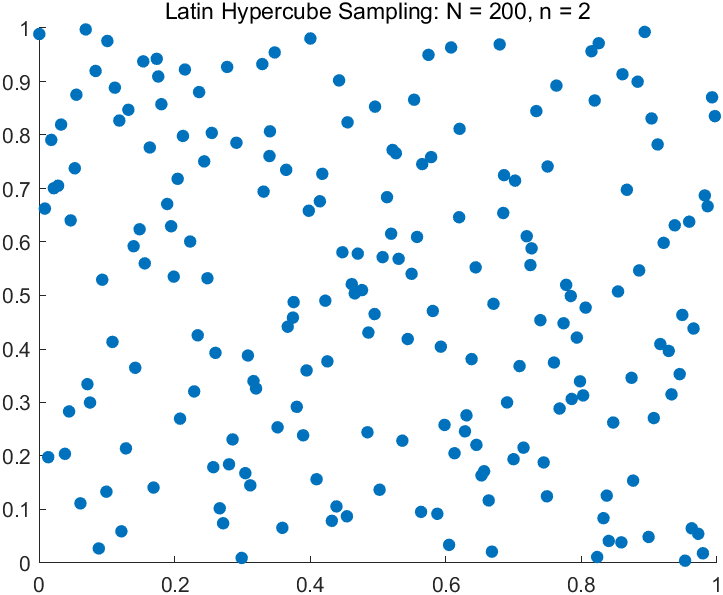
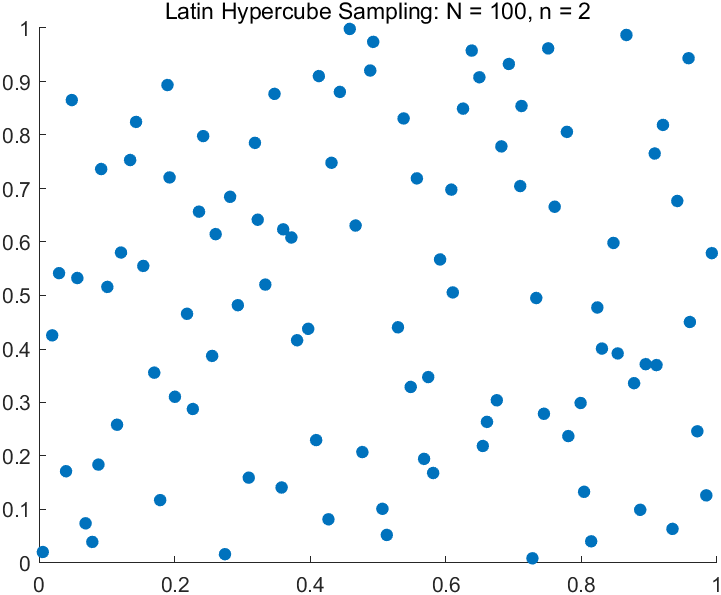
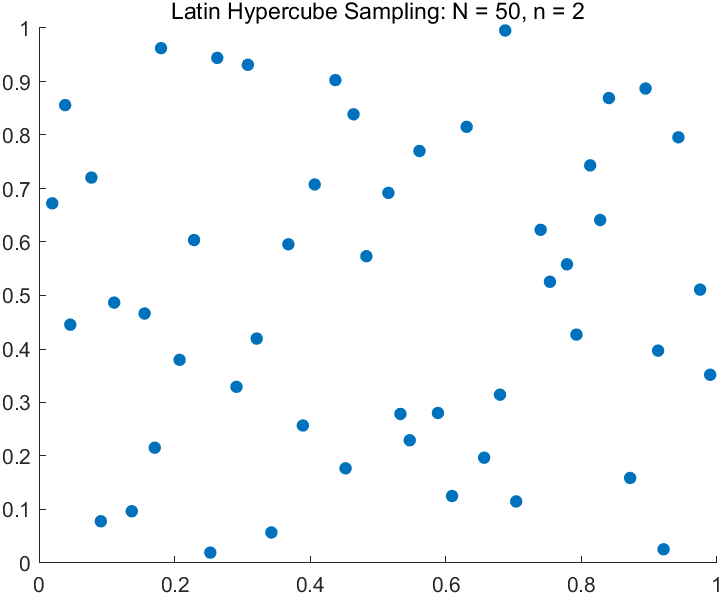


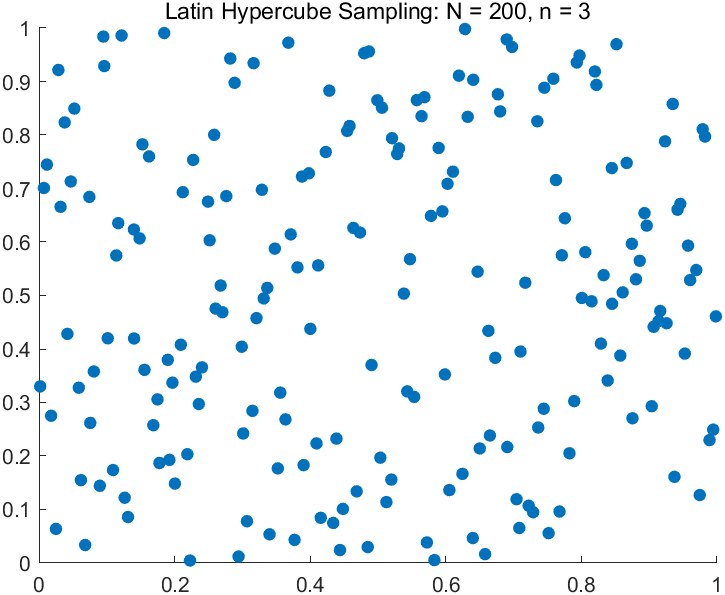
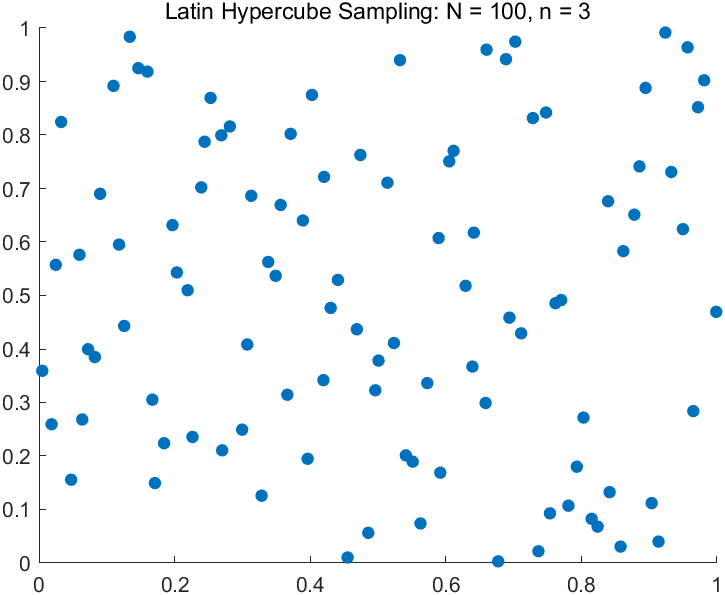
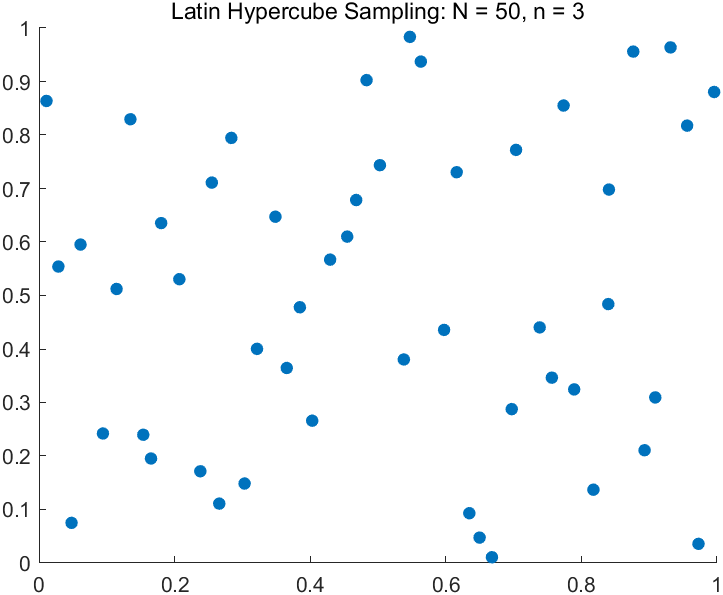
**Problem3:**

**Main code:**



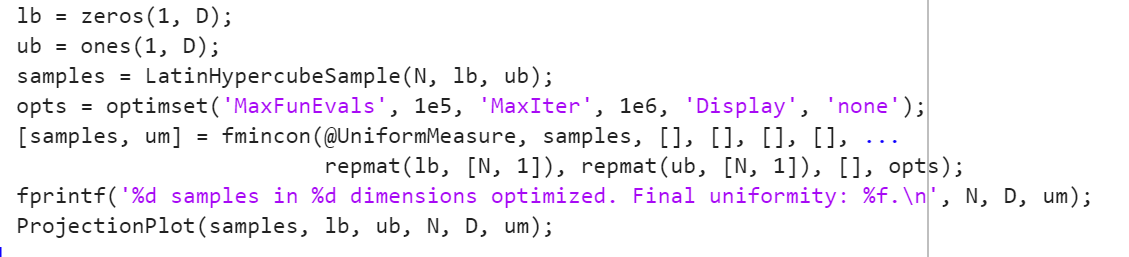
**Result:**



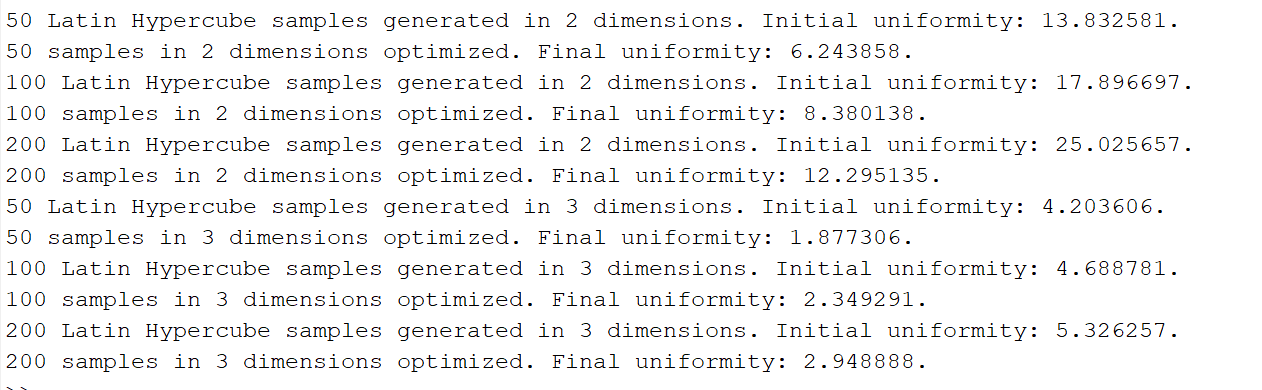


**Problem4:**

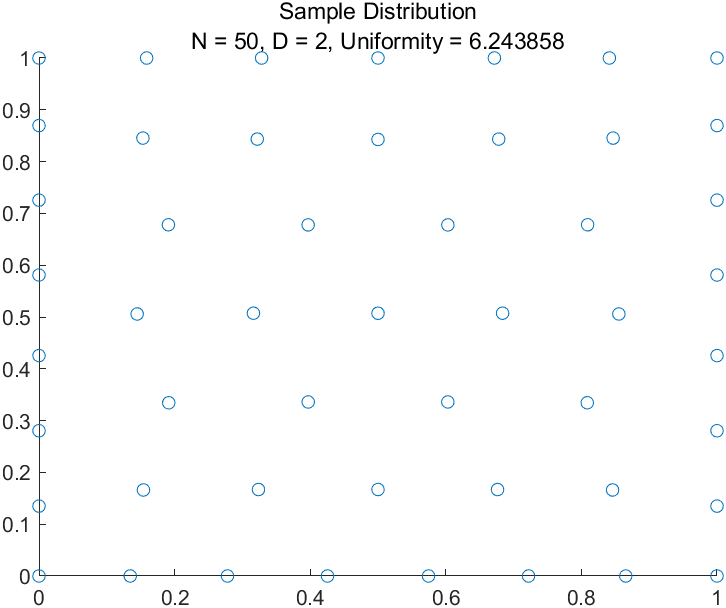
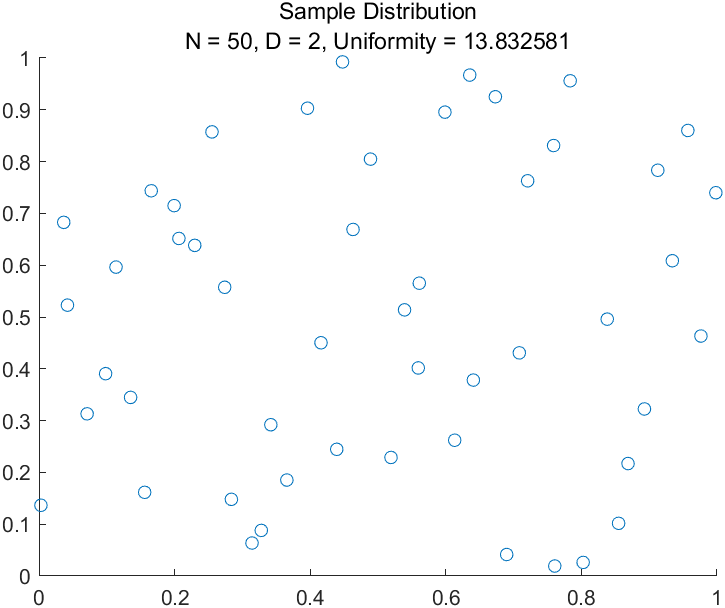
**Main code:**

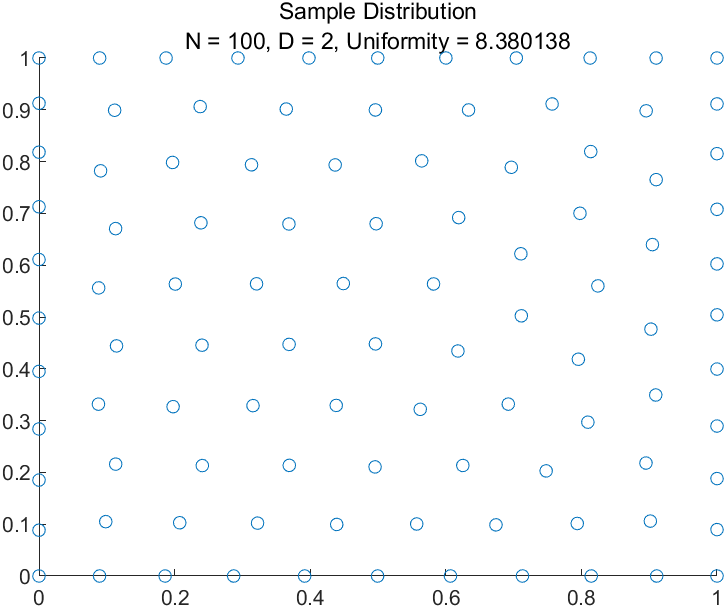
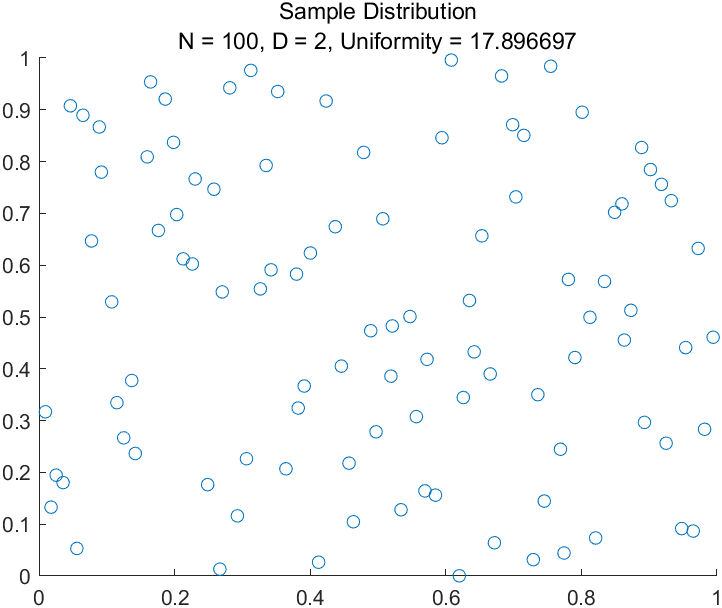


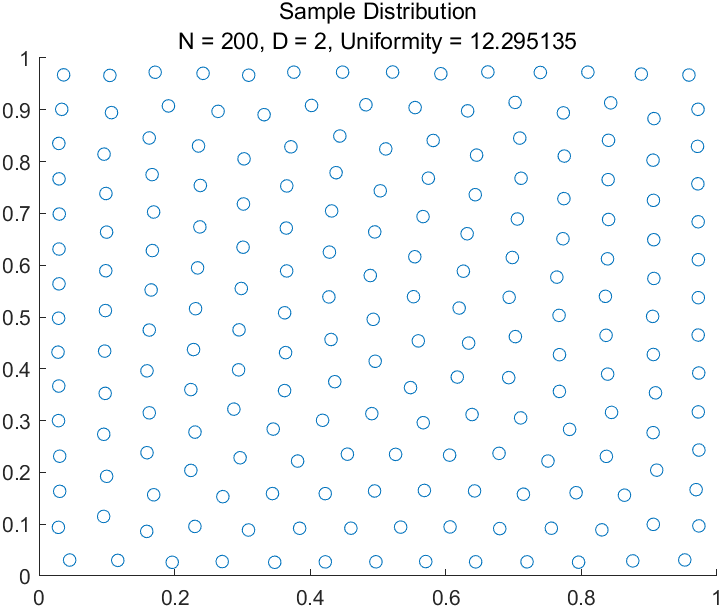
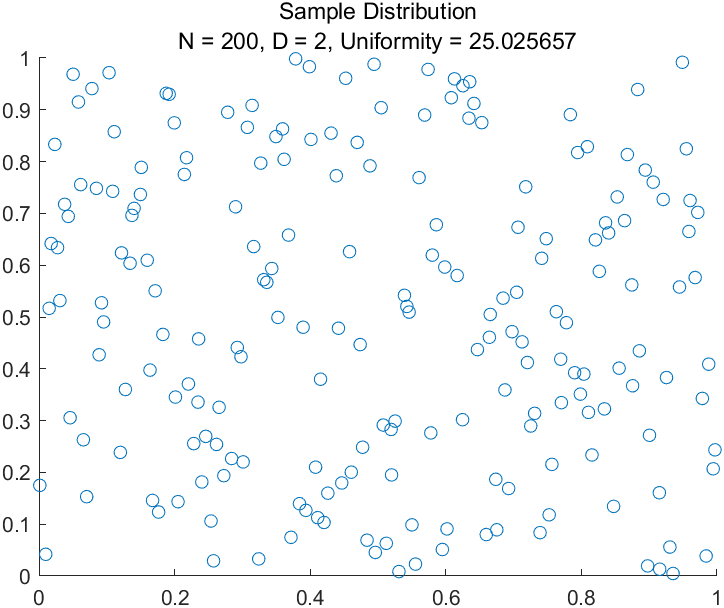
**Result:**



**D=2:**







**D=3:**

