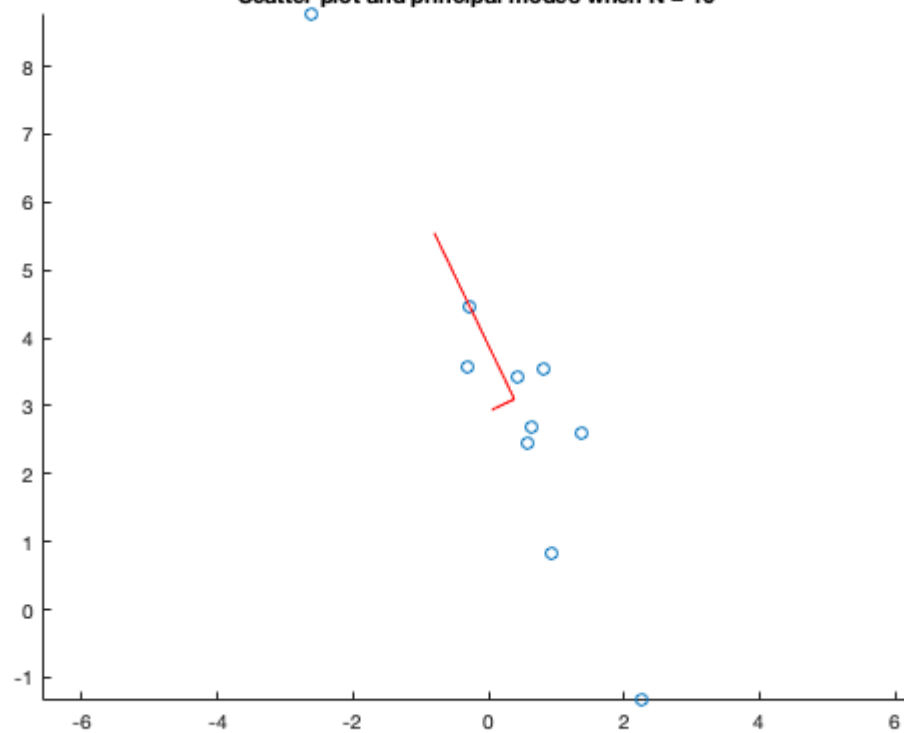
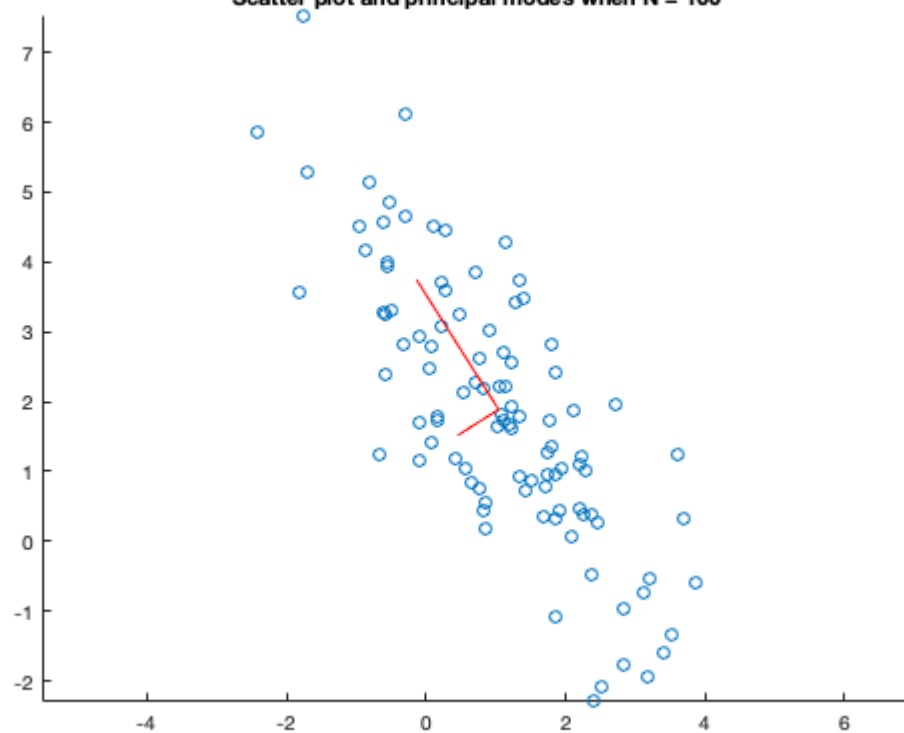


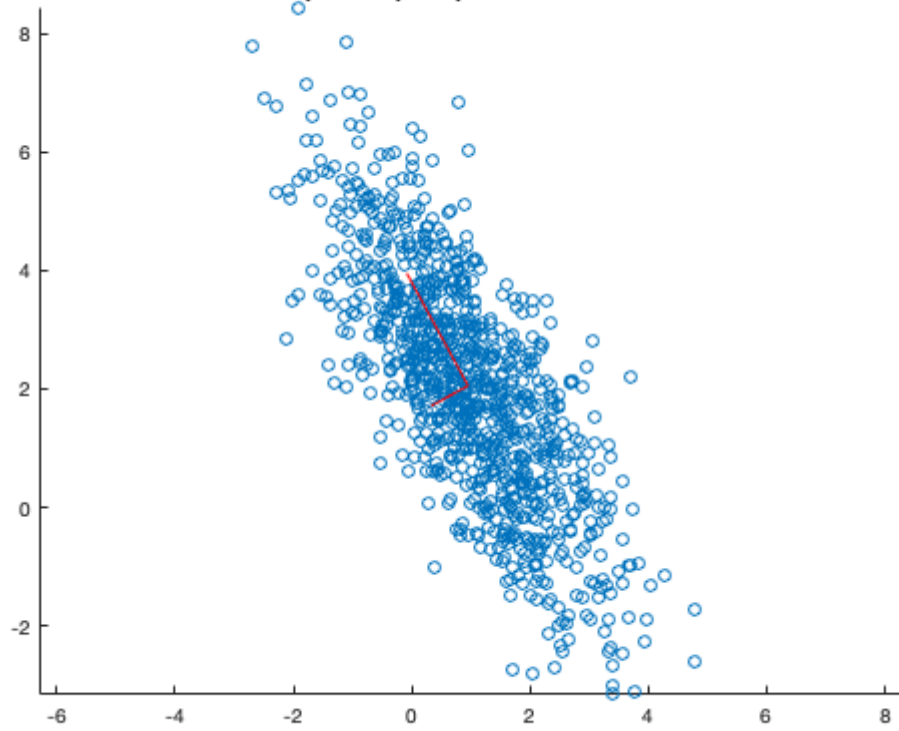
Scatter plot and principal modes when $N = 10$



Scatter plot and principal modes when $N = 100$



Scatter plot and principal modes when $N = 1000$



Scatter plot and principal modes when $N = 10000$

