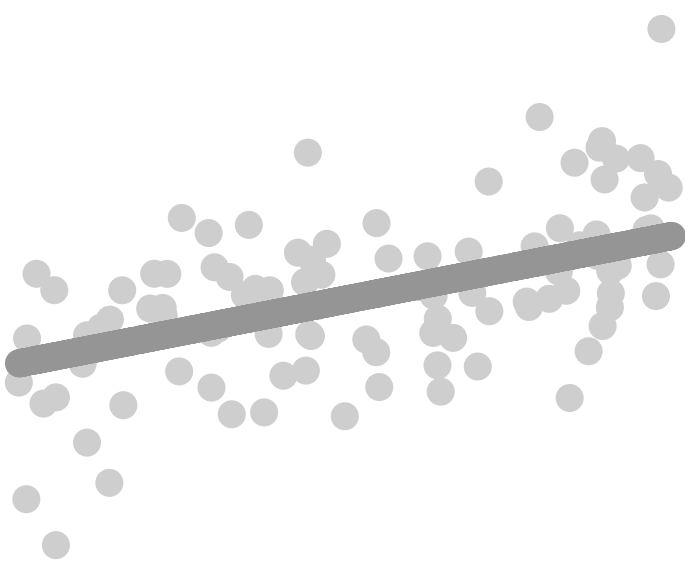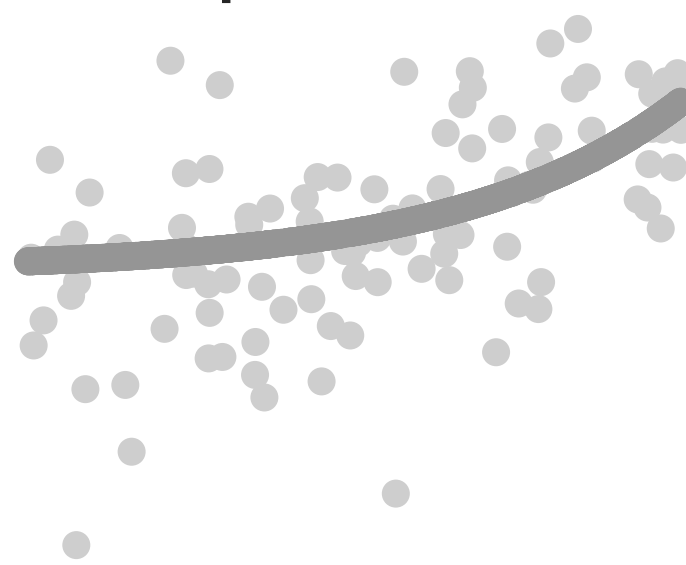Independence Simulation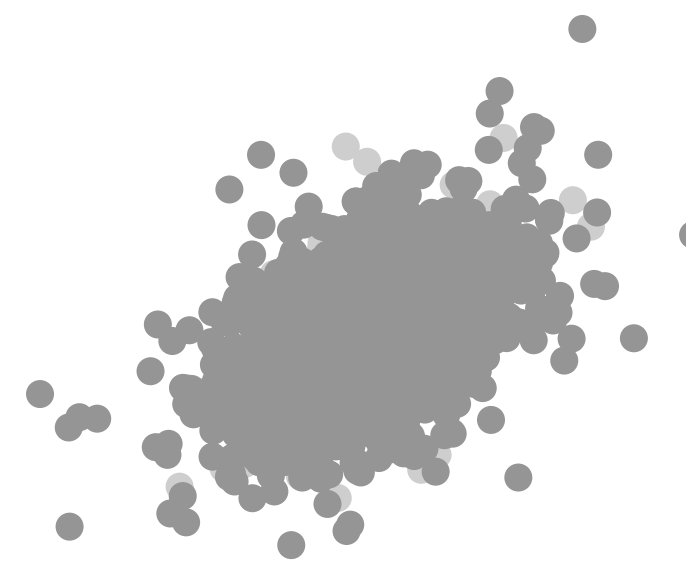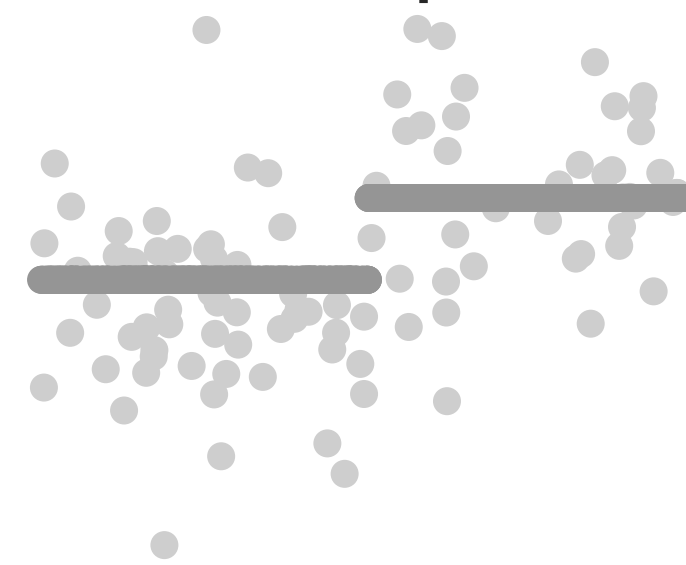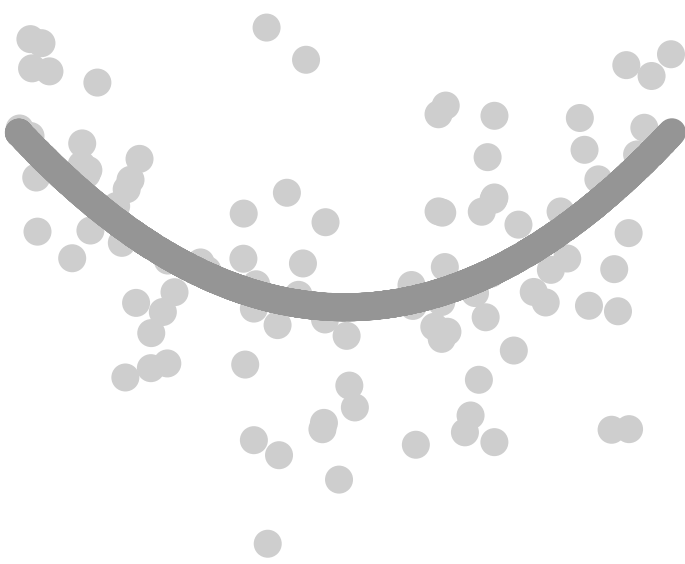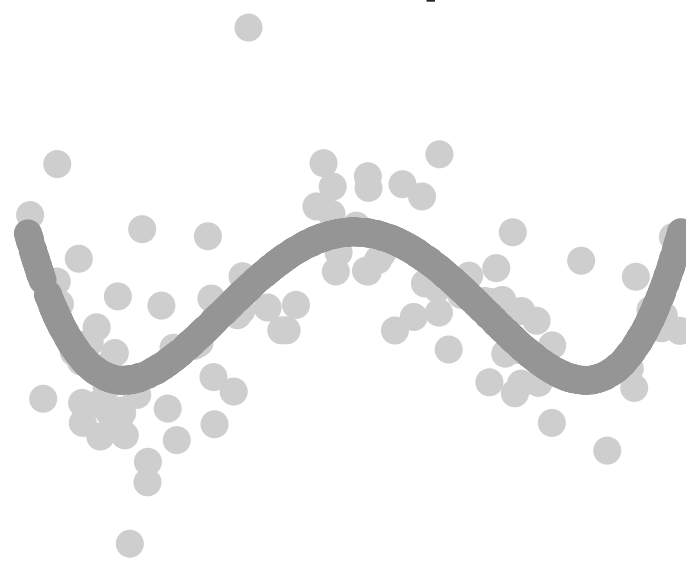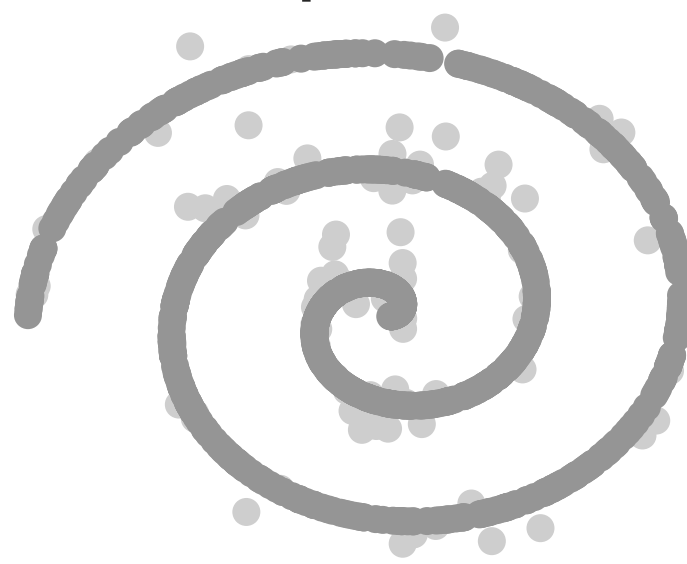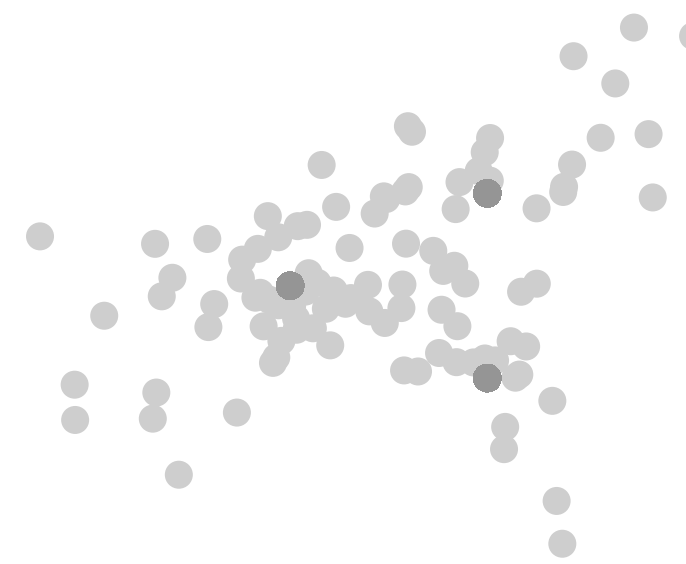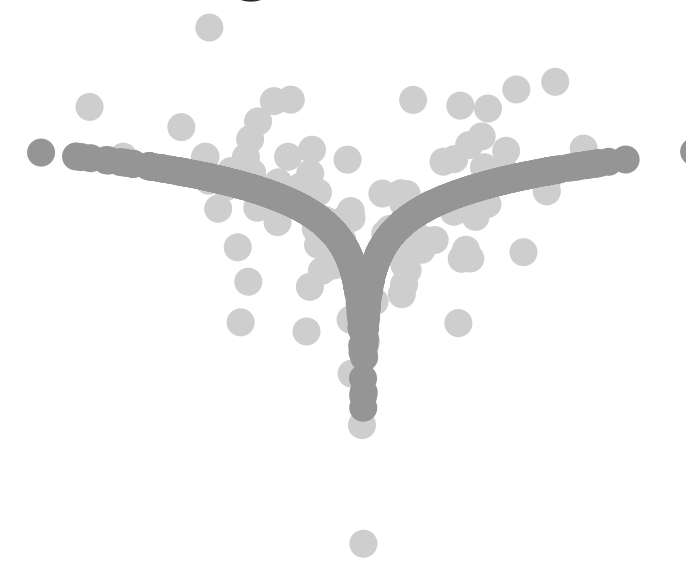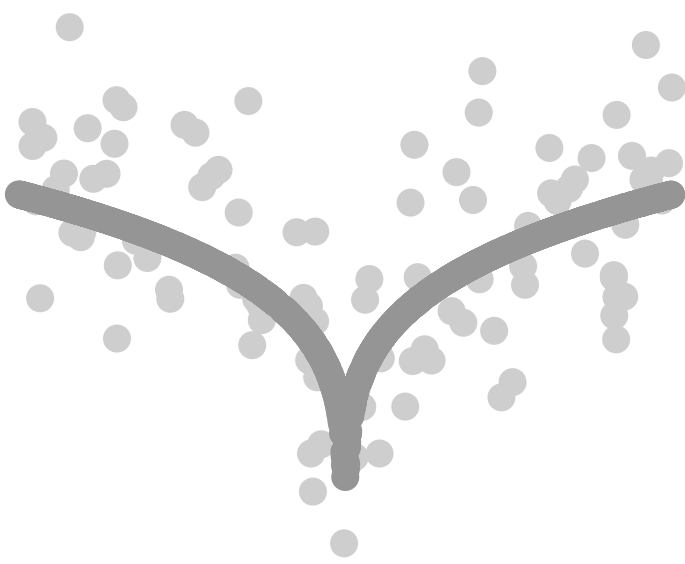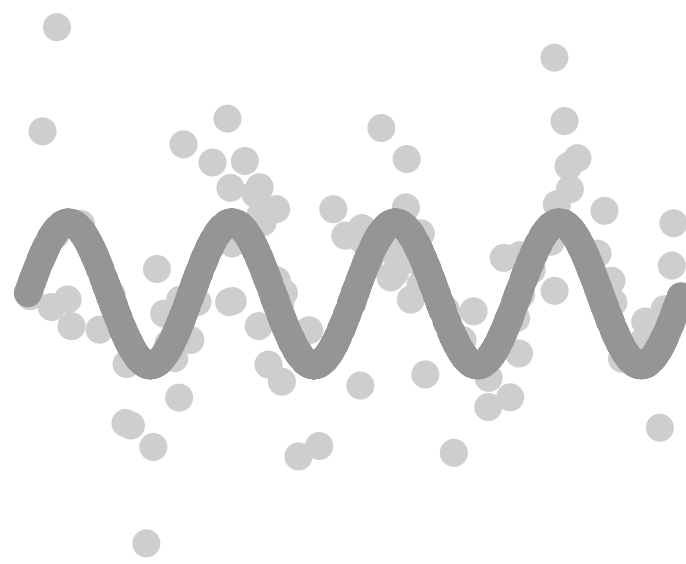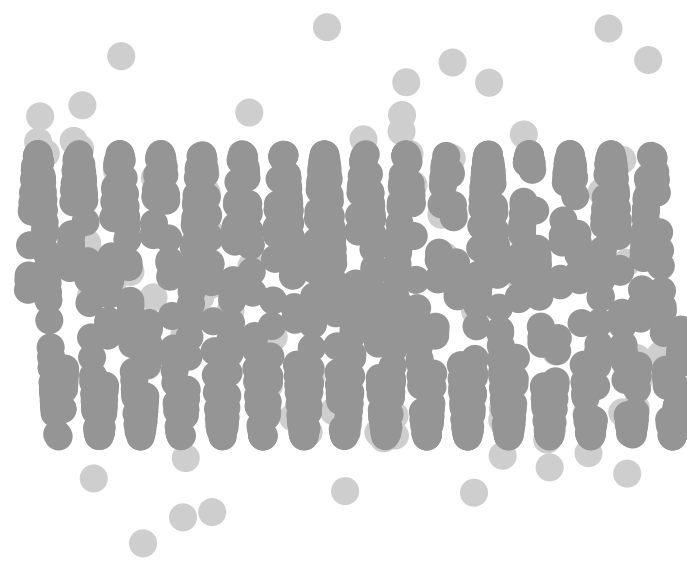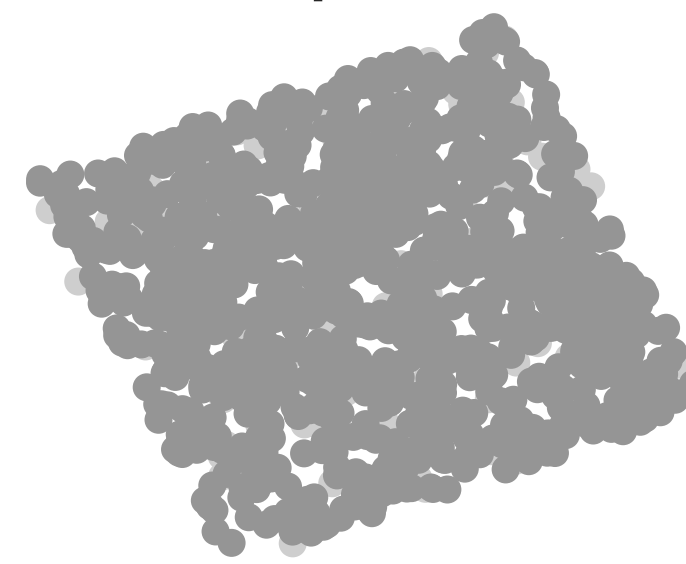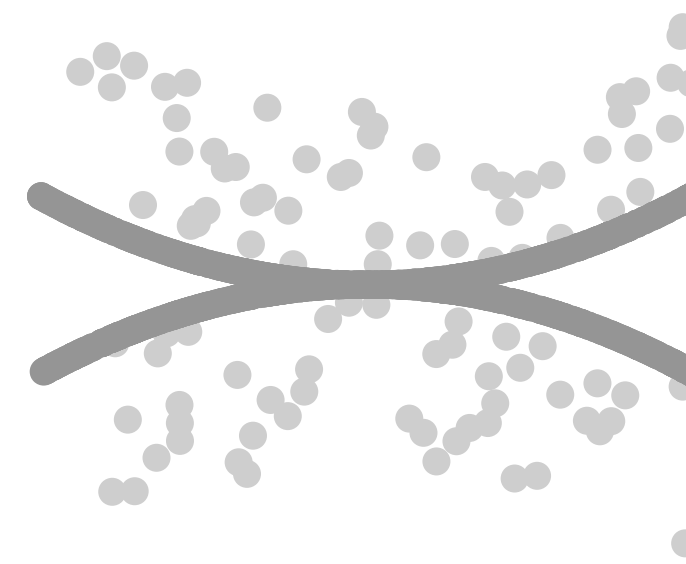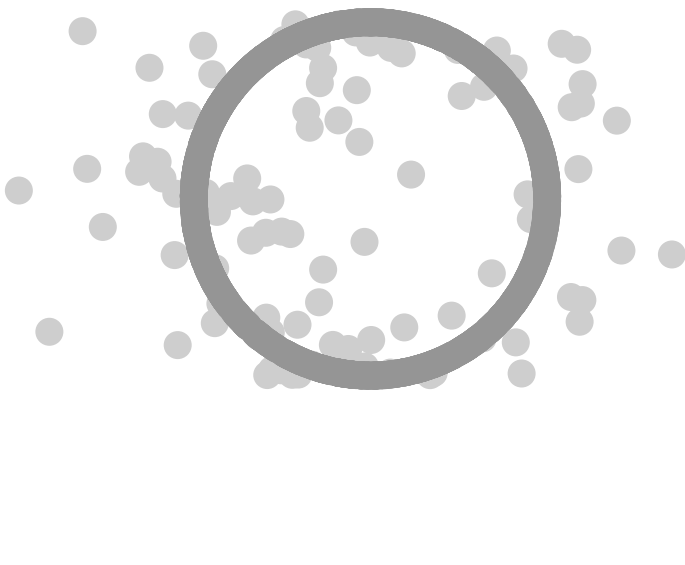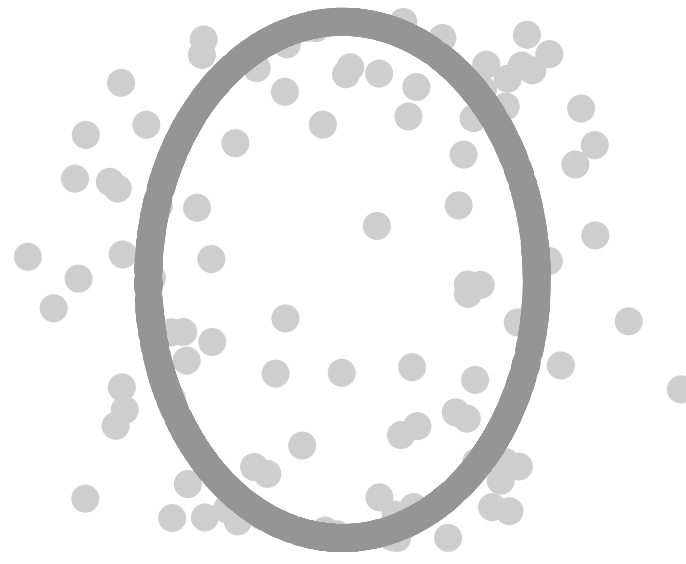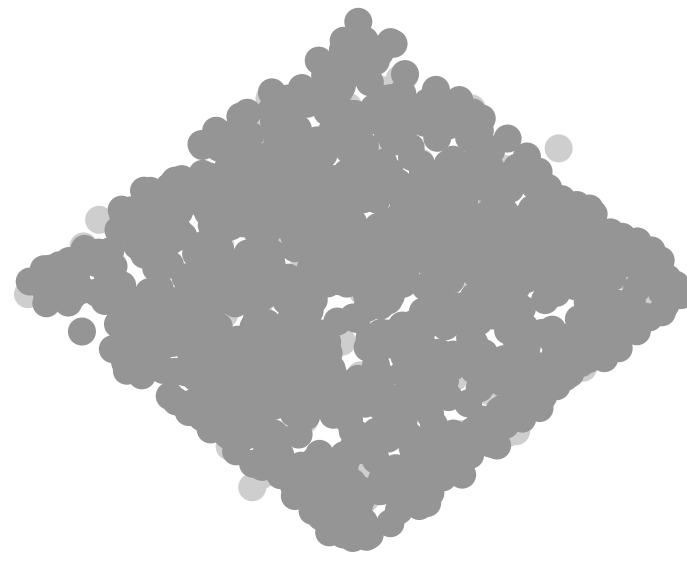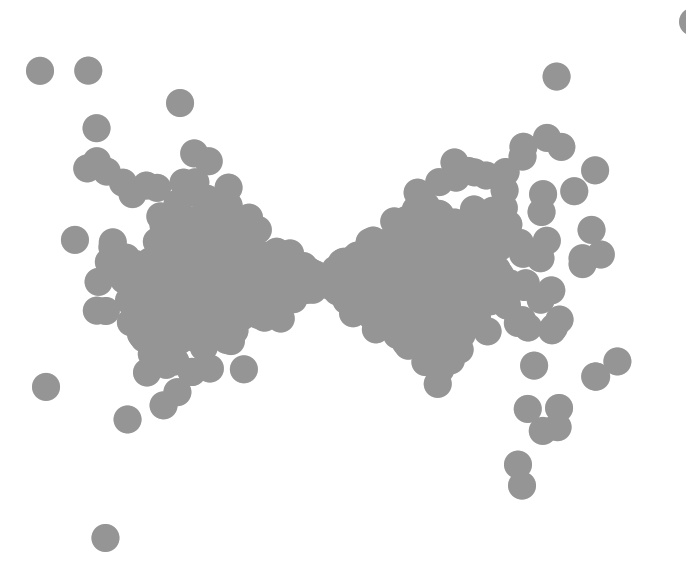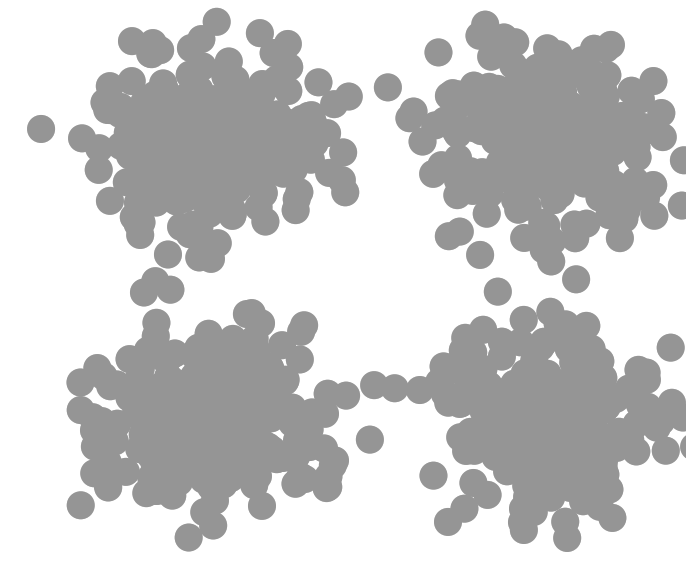s