

CS680, Spring 2020, Assignment 9

Zhijie Wang, [REDACTED]

July 16, 2020

Exercise 1

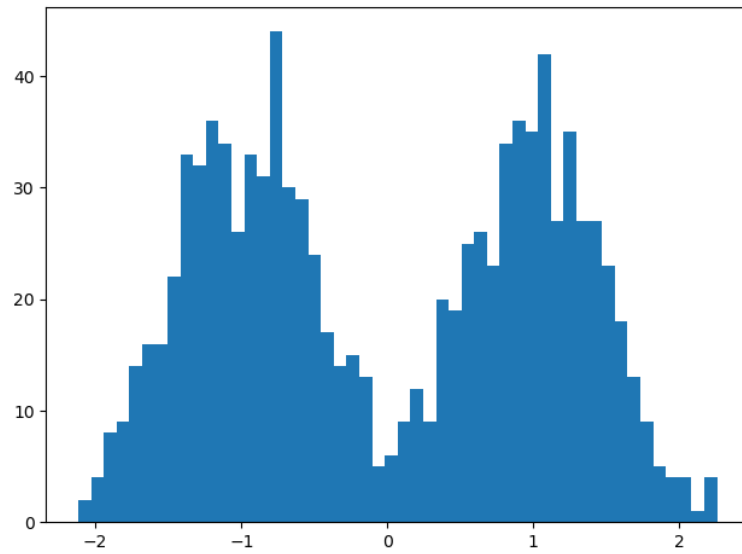


Figure 1: Histogram of X_i

1.

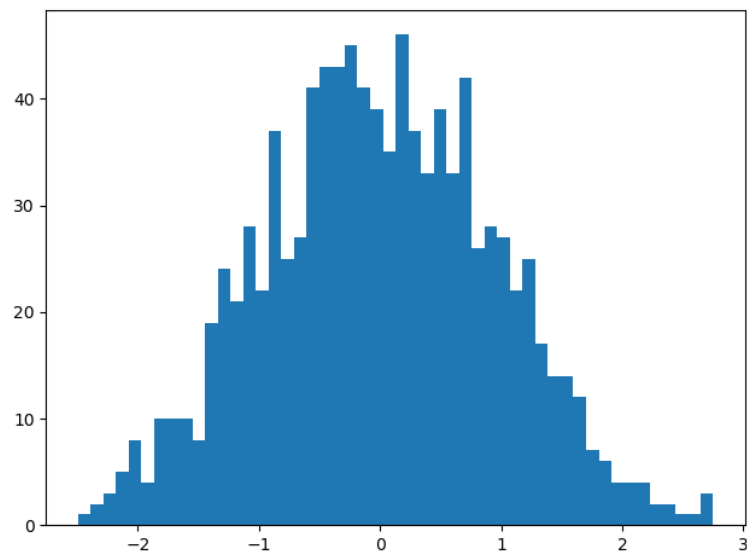


Figure 2: Histogram of U_i

2. U_i follows normal Gaussian distribution.

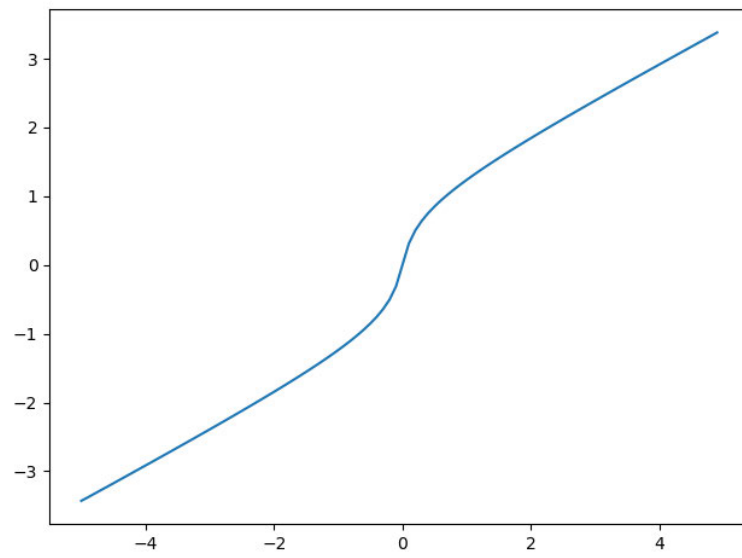


Figure 3: Histogram of U_i

3.

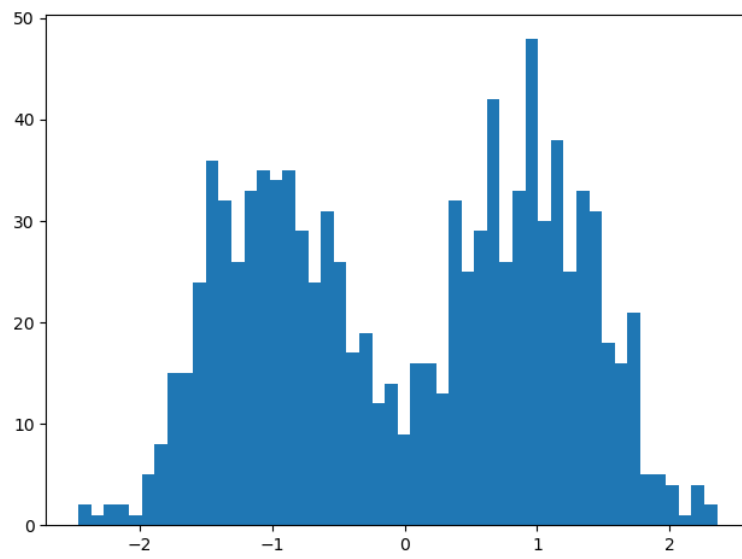


Figure 4: Histogram of \tilde{X}_i

4. \tilde{X}_i looks similar to Ex1.1

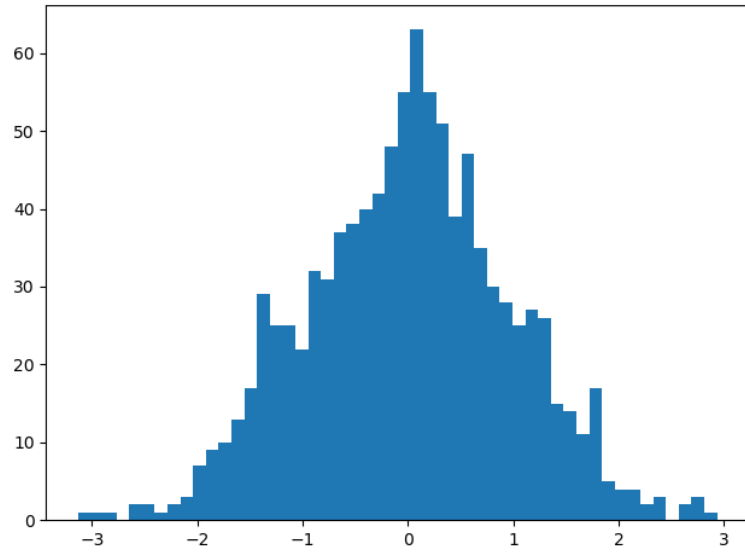


Figure 5: Histogram of \tilde{U}_i

5. \tilde{U}_i follows normal distribution.