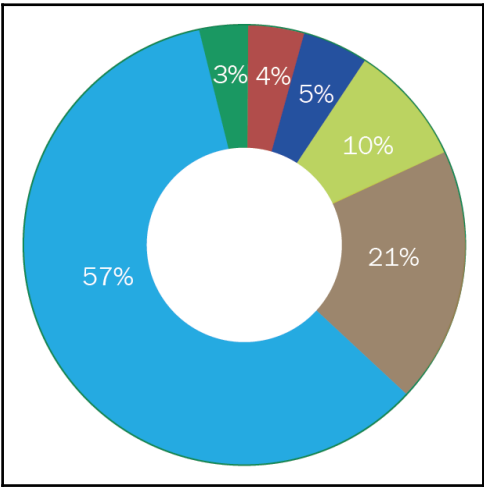
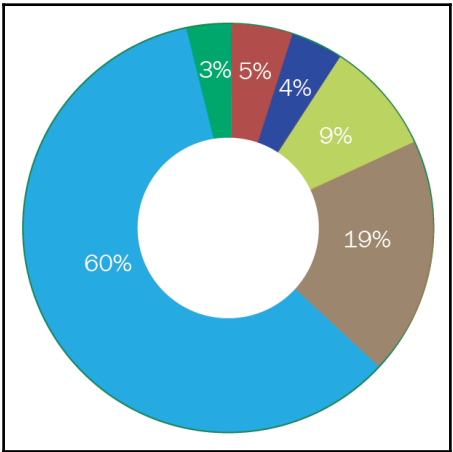
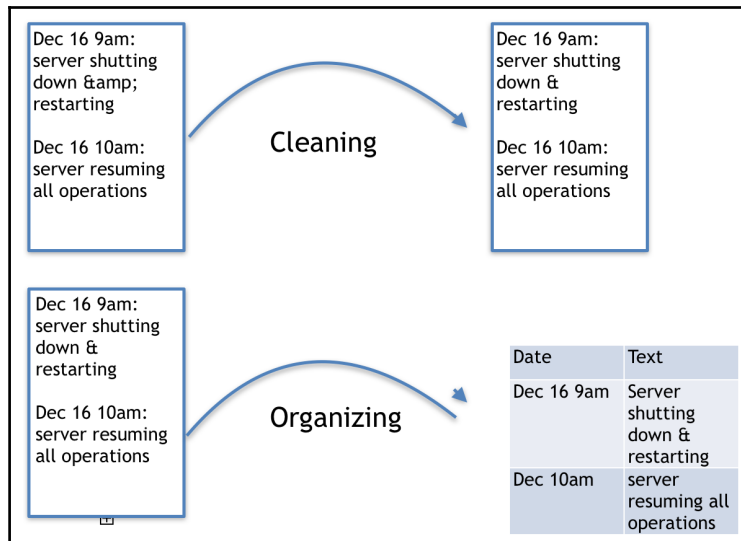


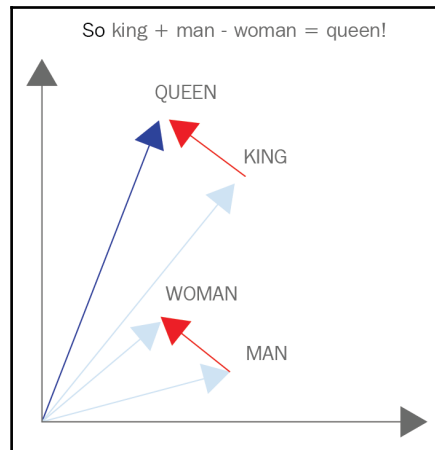
Chapter 1: Introduction to Feature Engineering





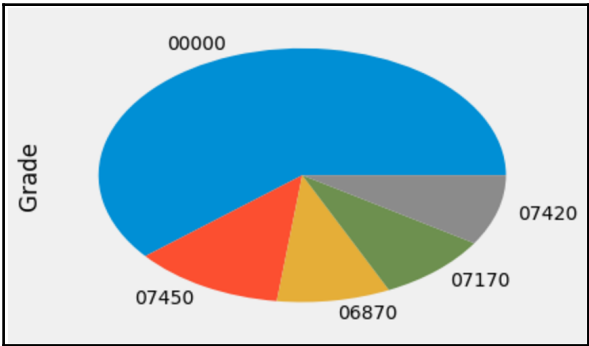
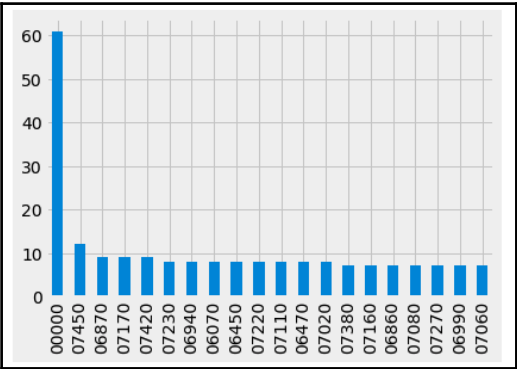
$$A = U \cdot W \cdot V^T$$

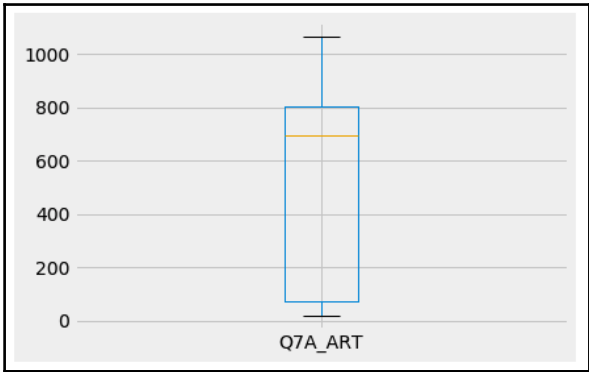
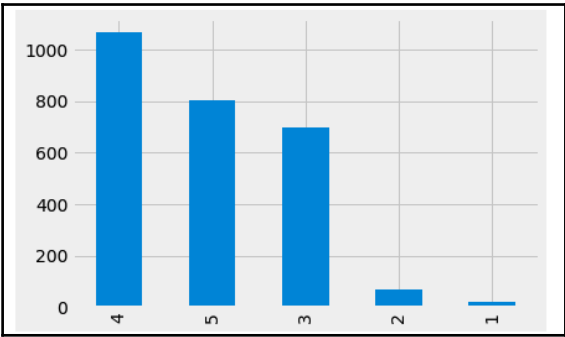
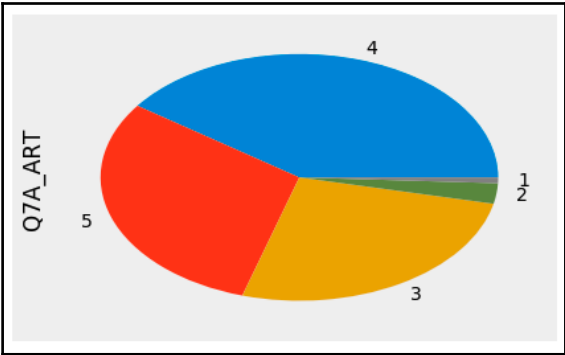
Below the equation, four heatmaps are displayed, representing the matrices A, U, W, and V^T. Matrix A is a tall, narrow heatmap with a complex pattern of red and green. Matrix U is a tall, narrow heatmap with a similar pattern. Matrix W is a small, square heatmap with a prominent red diagonal line. Matrix V^T is a small, square heatmap with a complex pattern of red and green.

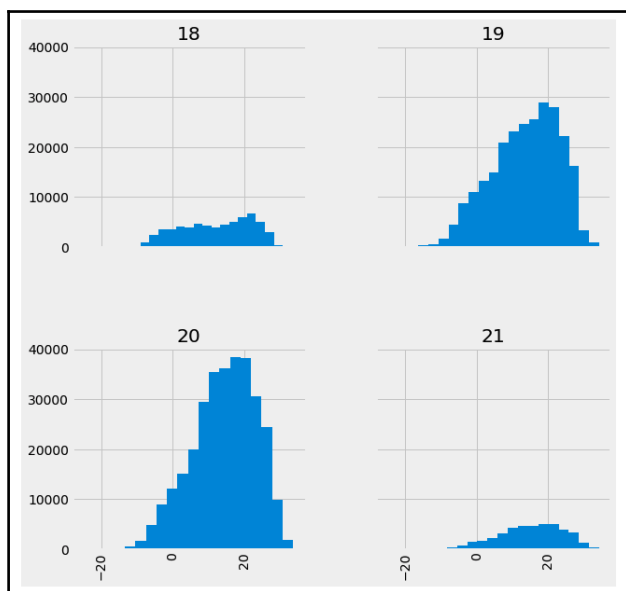
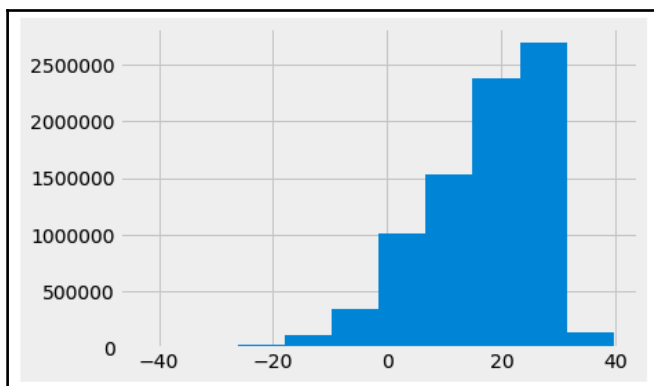


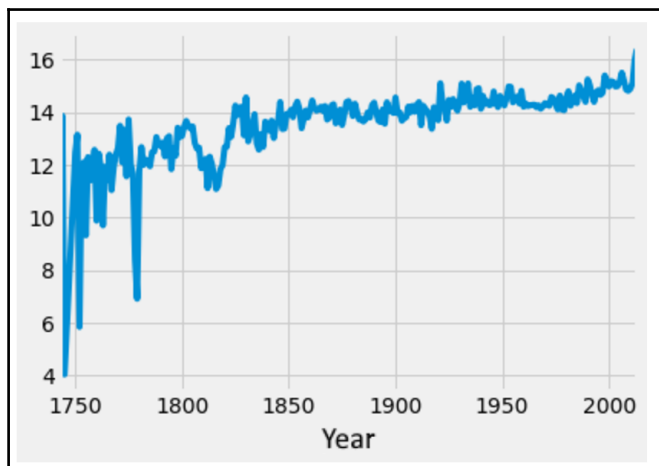
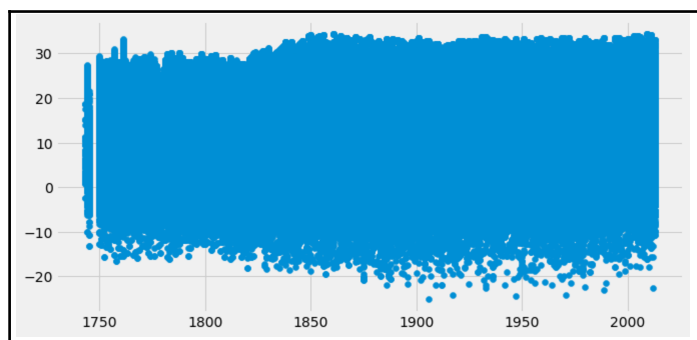
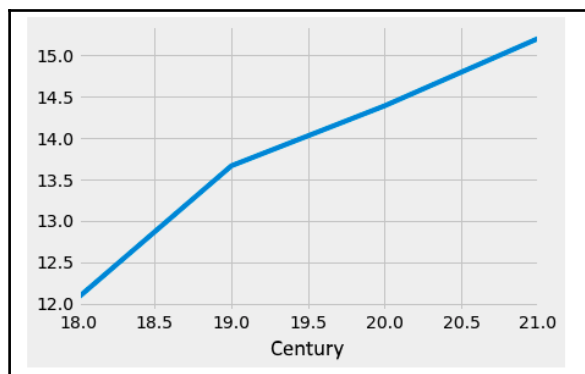
Chapter 2: Feature Understanding – What's in My Dataset?

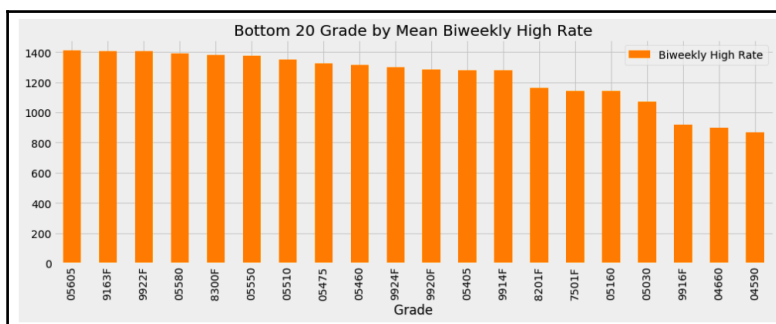
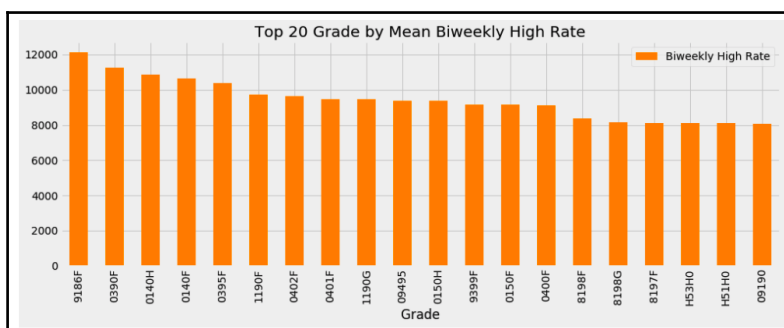
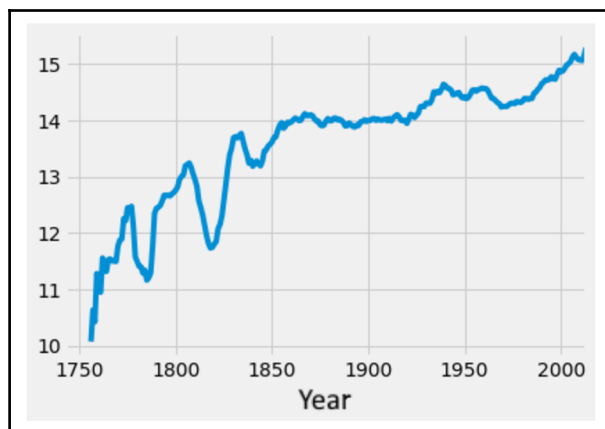
	Biweekly High Rate	Grade
0	\$0.00	00000
1	\$15.00	00000
2	\$25.00	00000
3	\$50.00	00000
4	\$100.00	00000

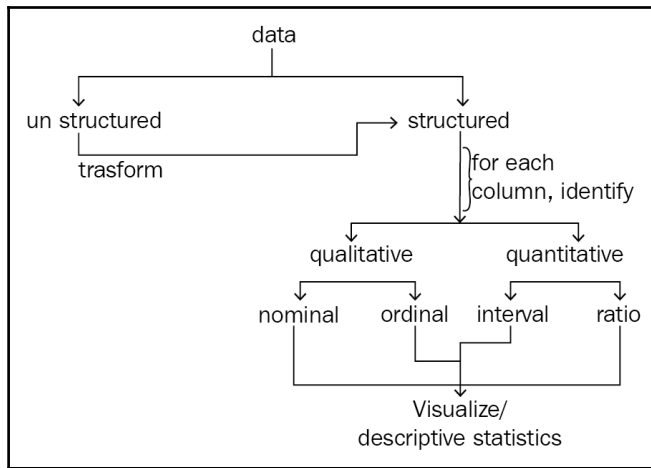




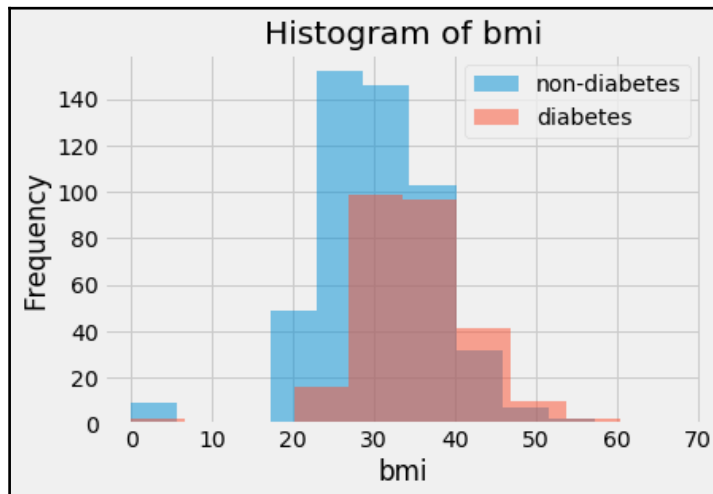
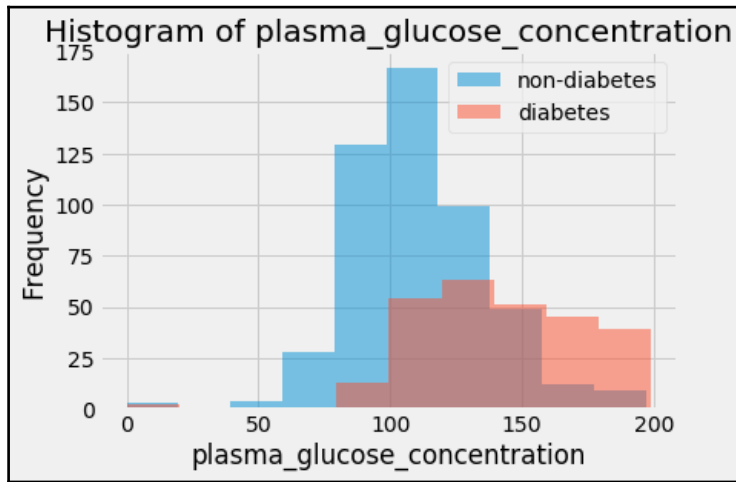


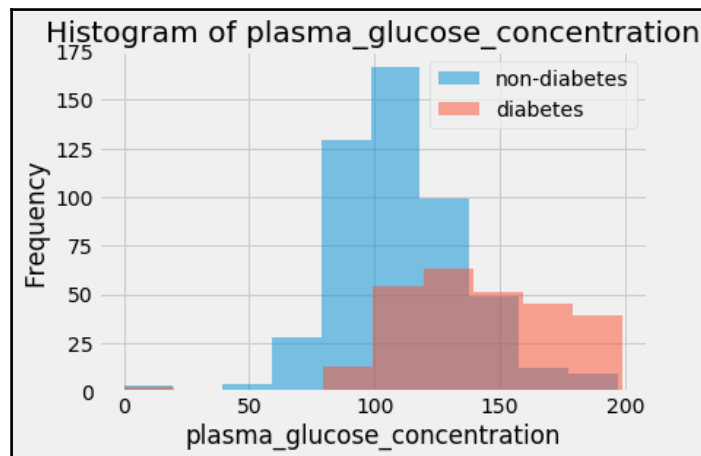
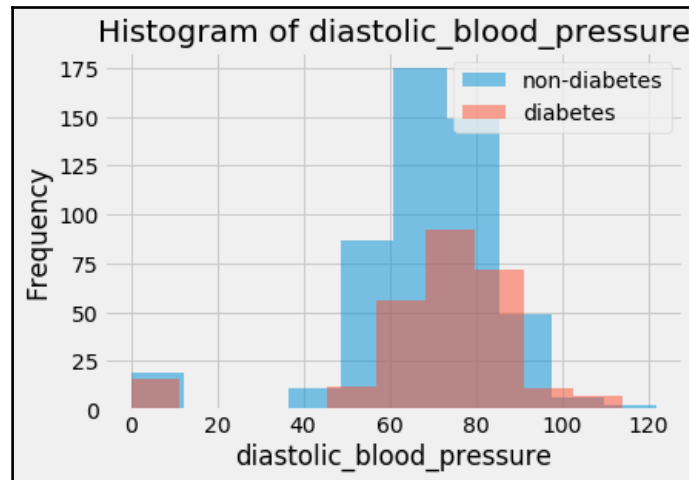


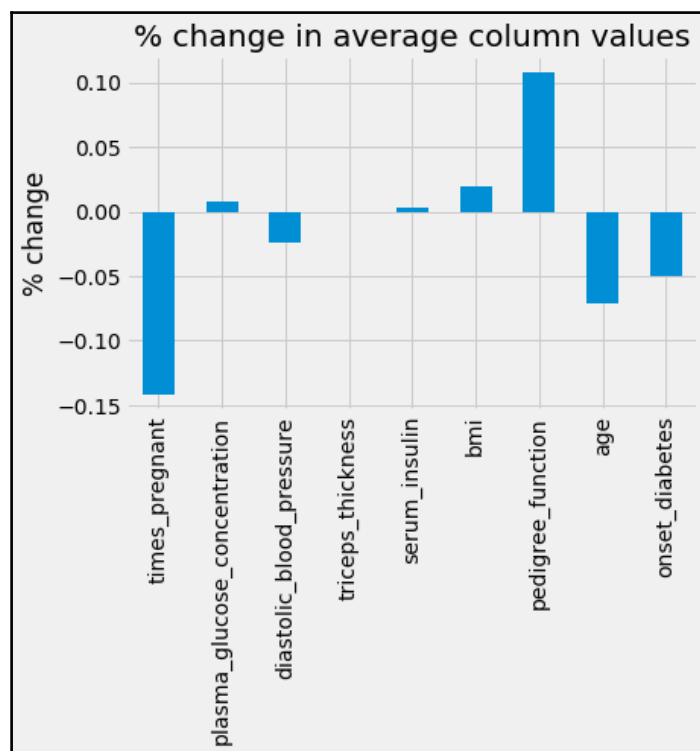
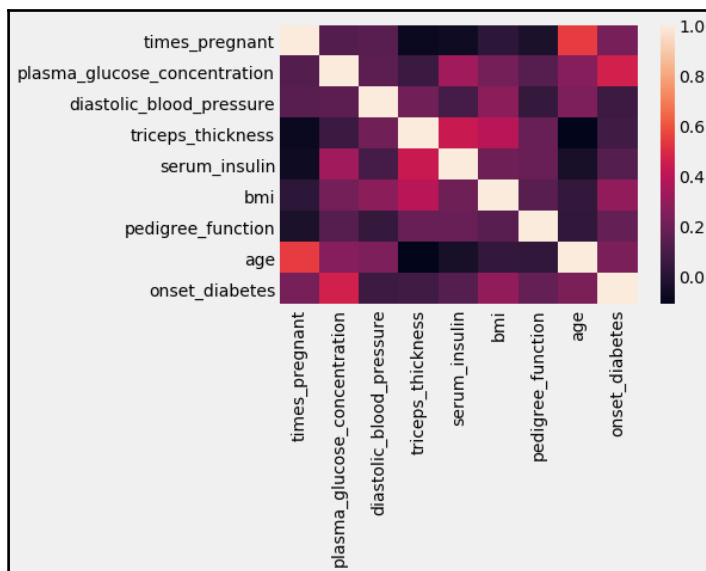


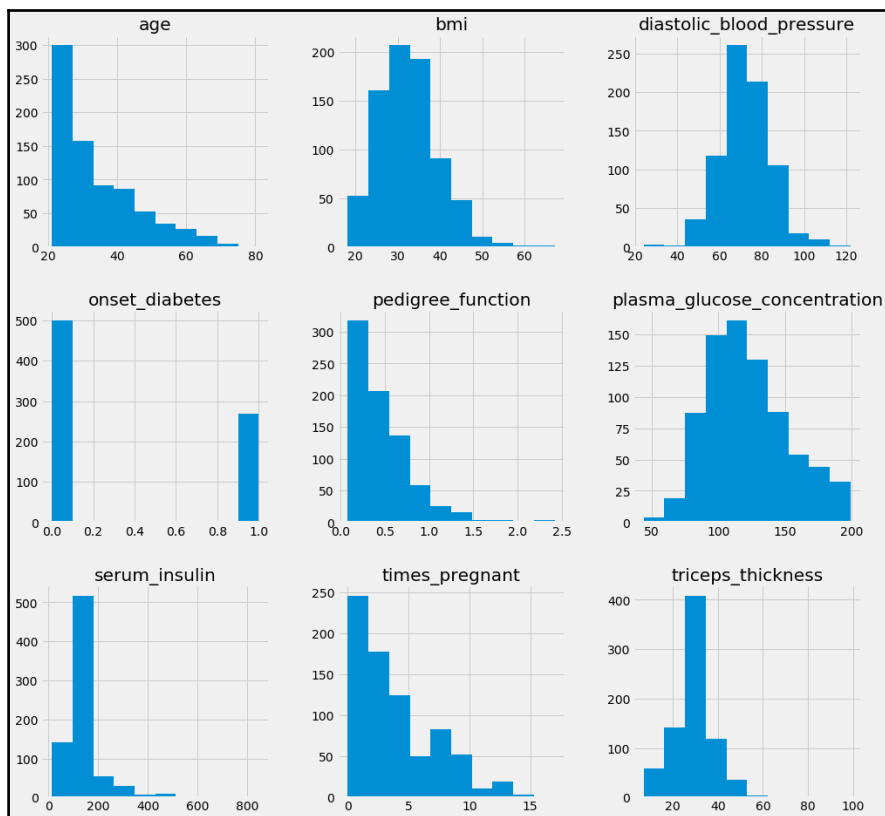


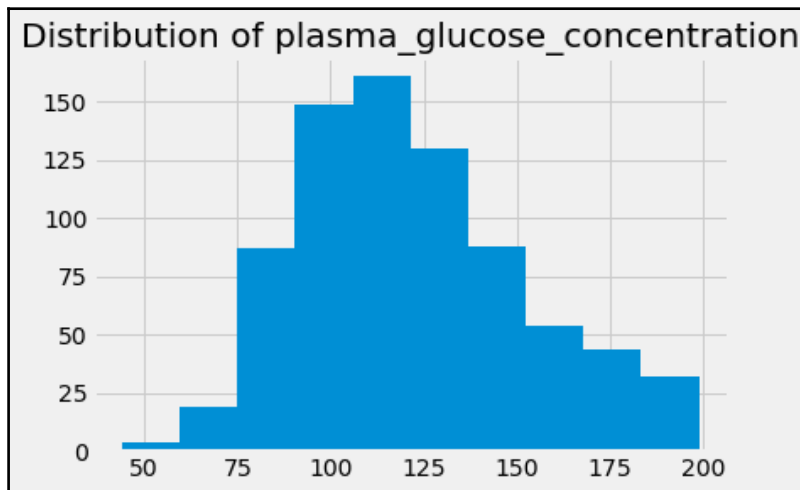
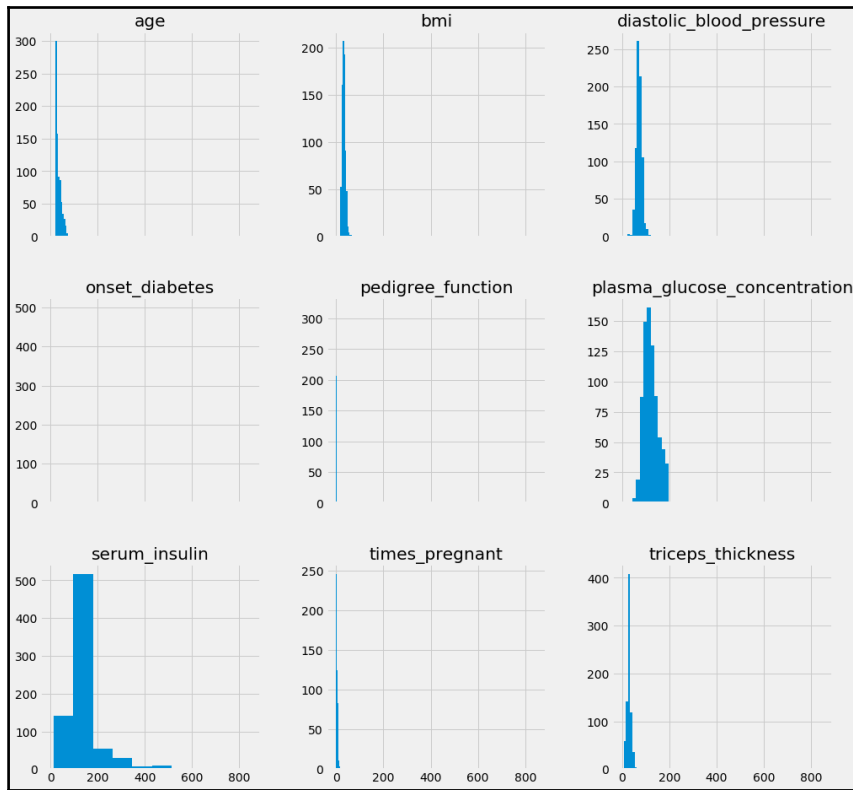
Chapter 3: Feature Improvement - Cleaning Datasets

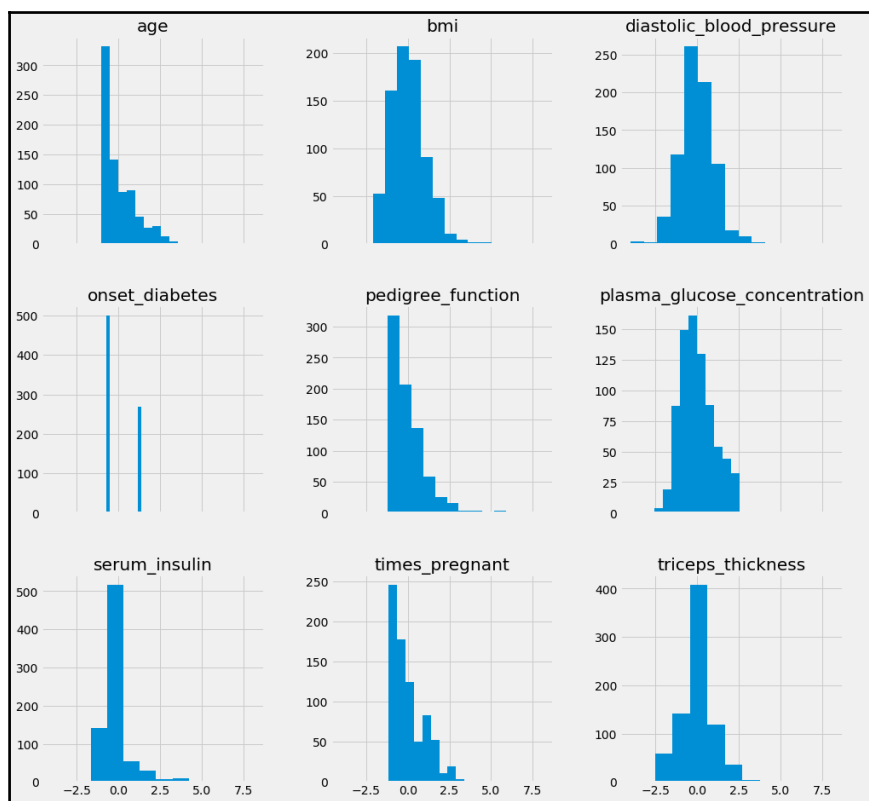
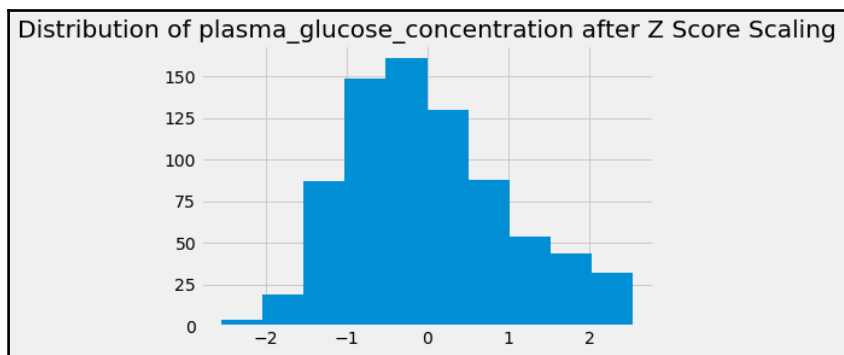




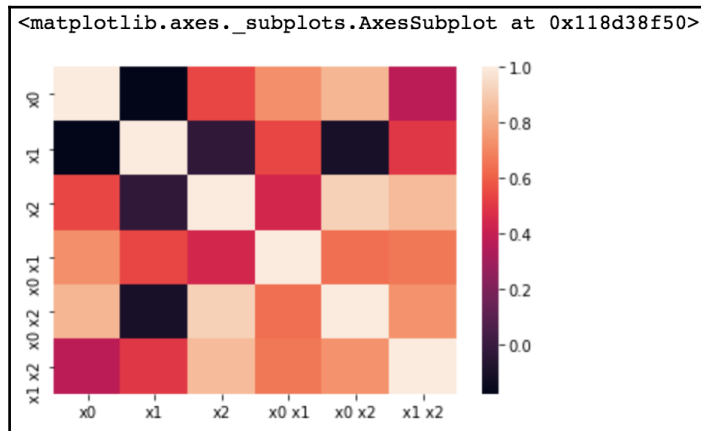
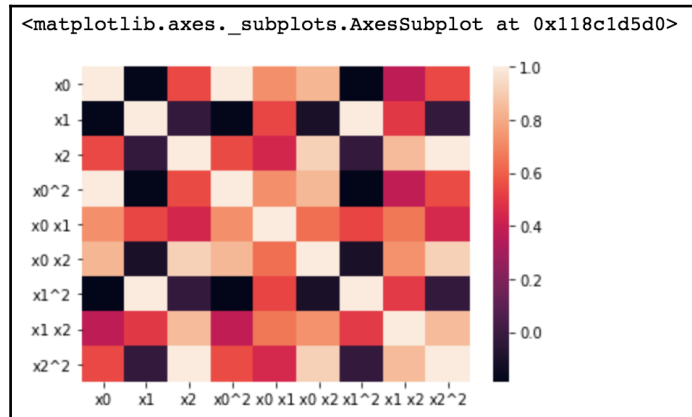




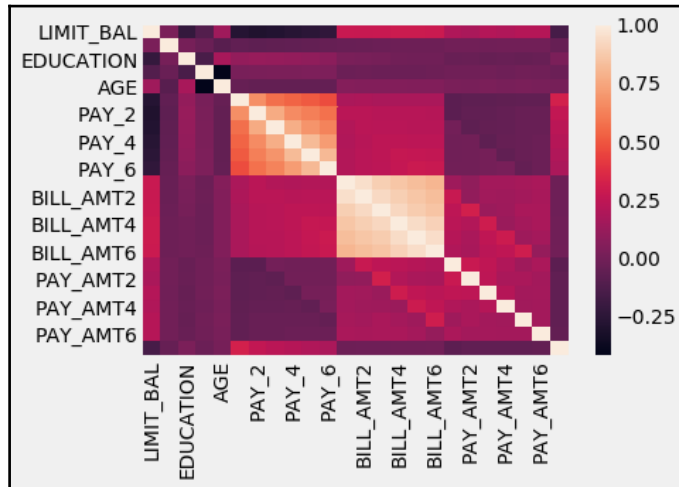




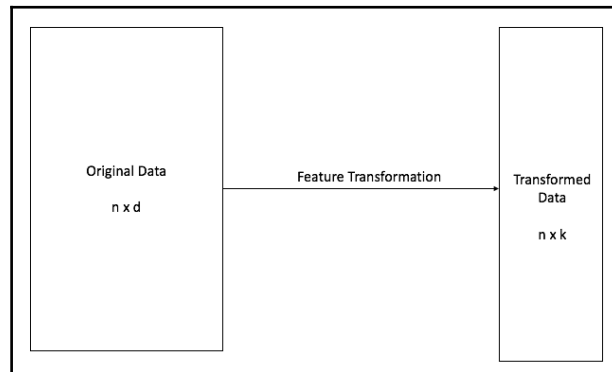
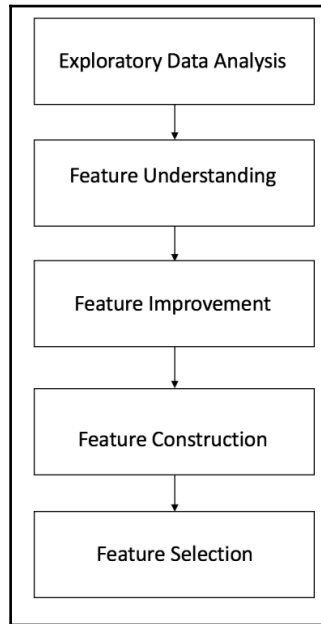
Chapter 4: Feature Construction

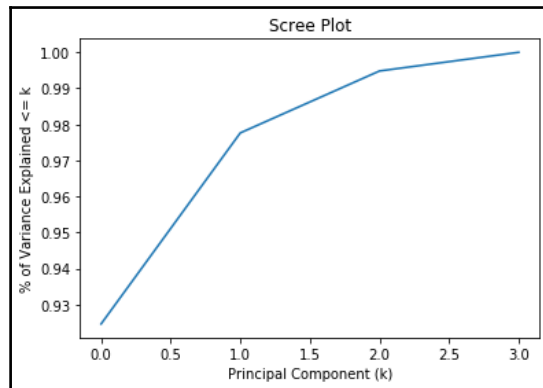
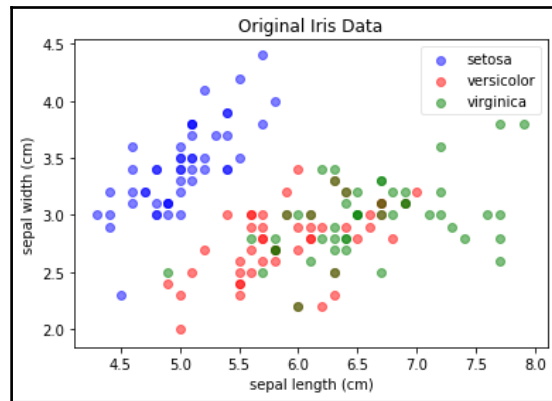


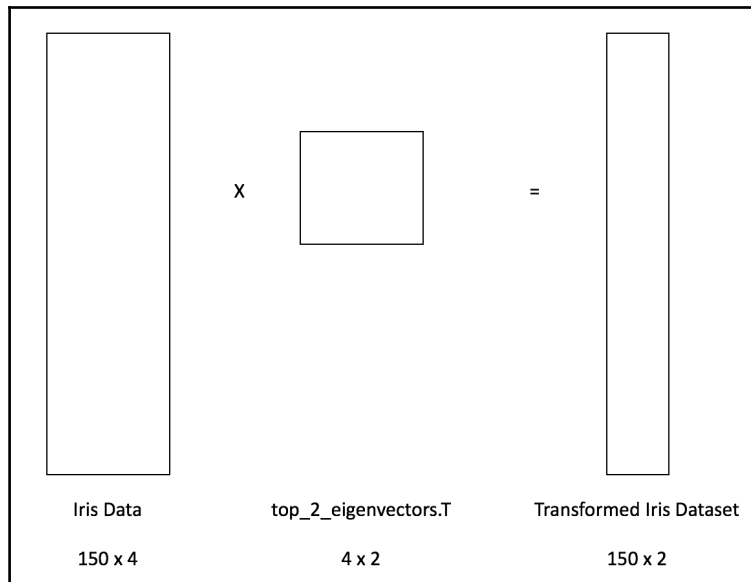
Chapter 5: Feature Selection

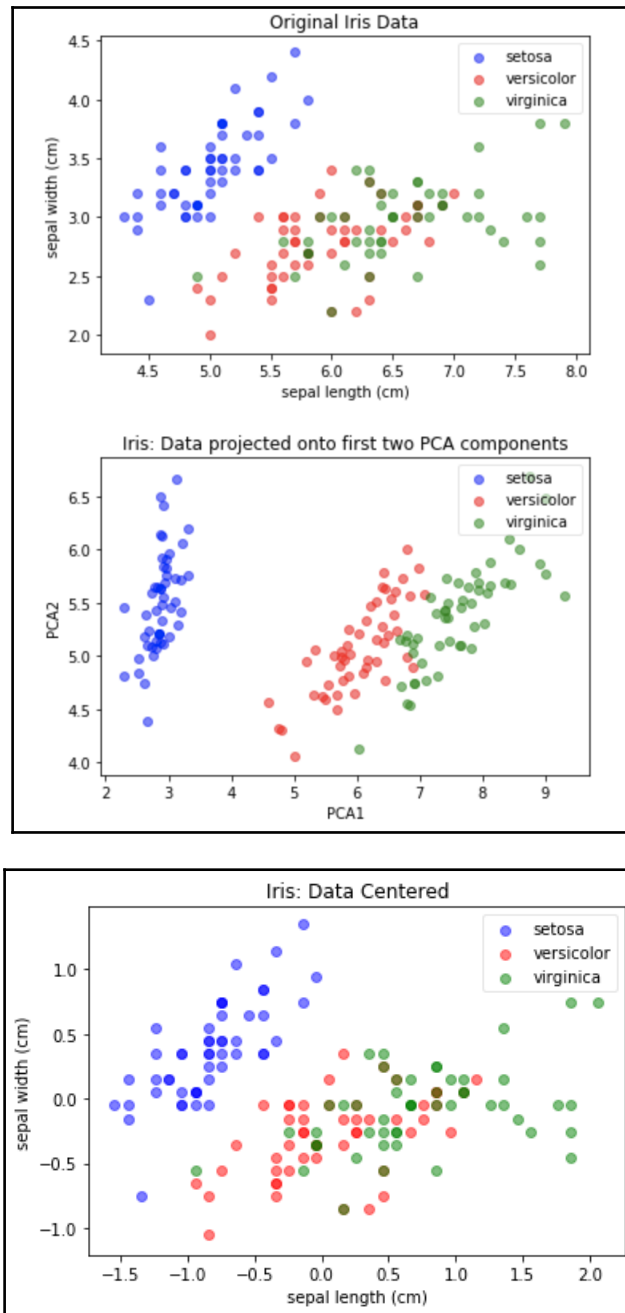


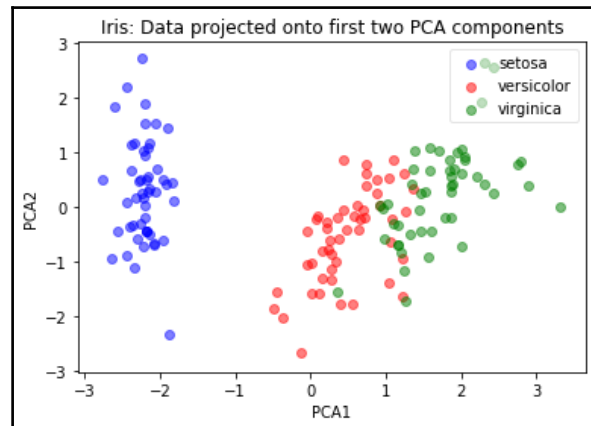
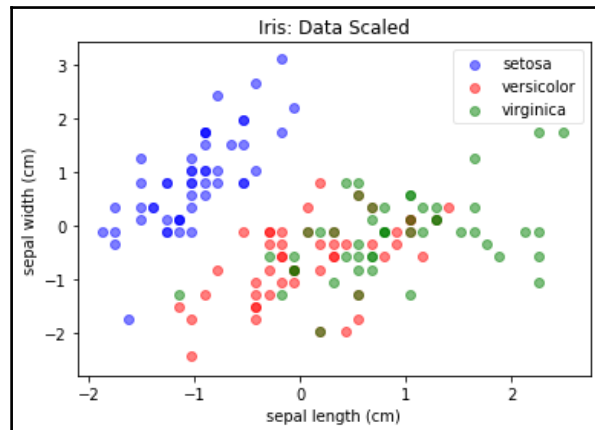
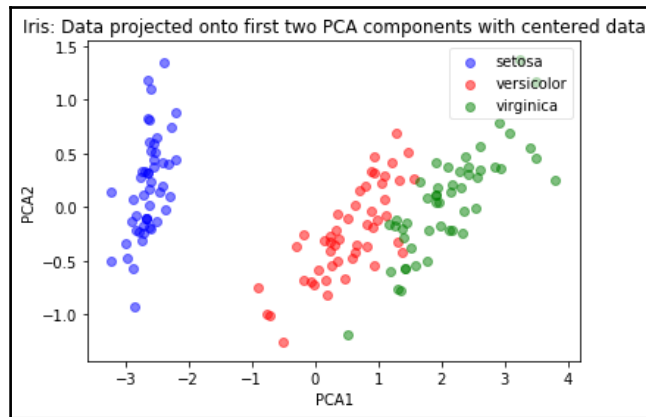
Chapter 6: Feature Transformations

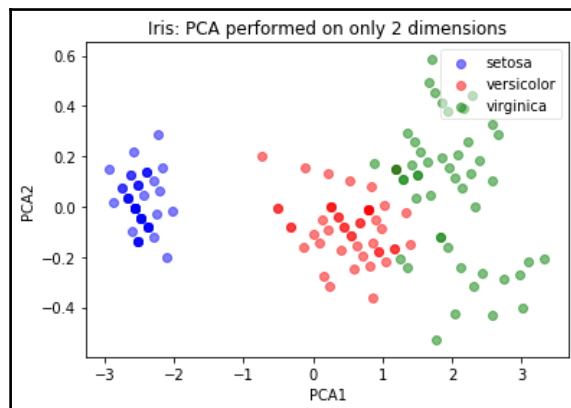
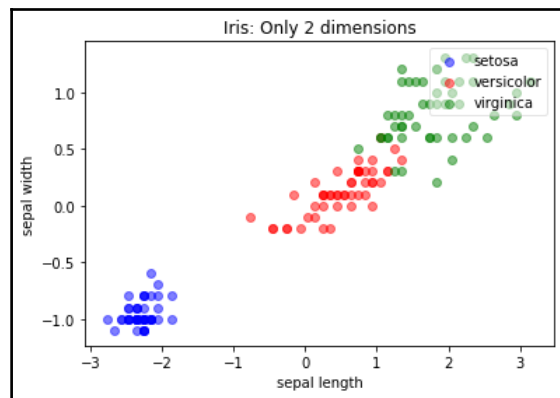


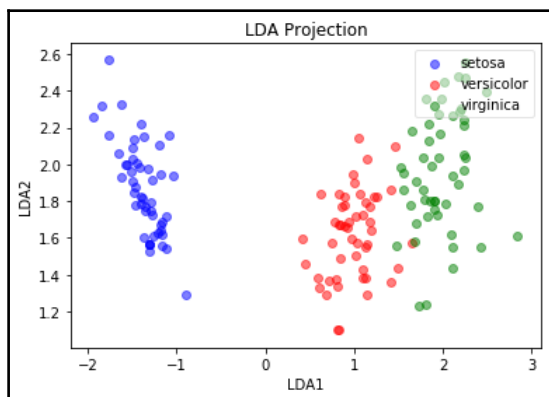
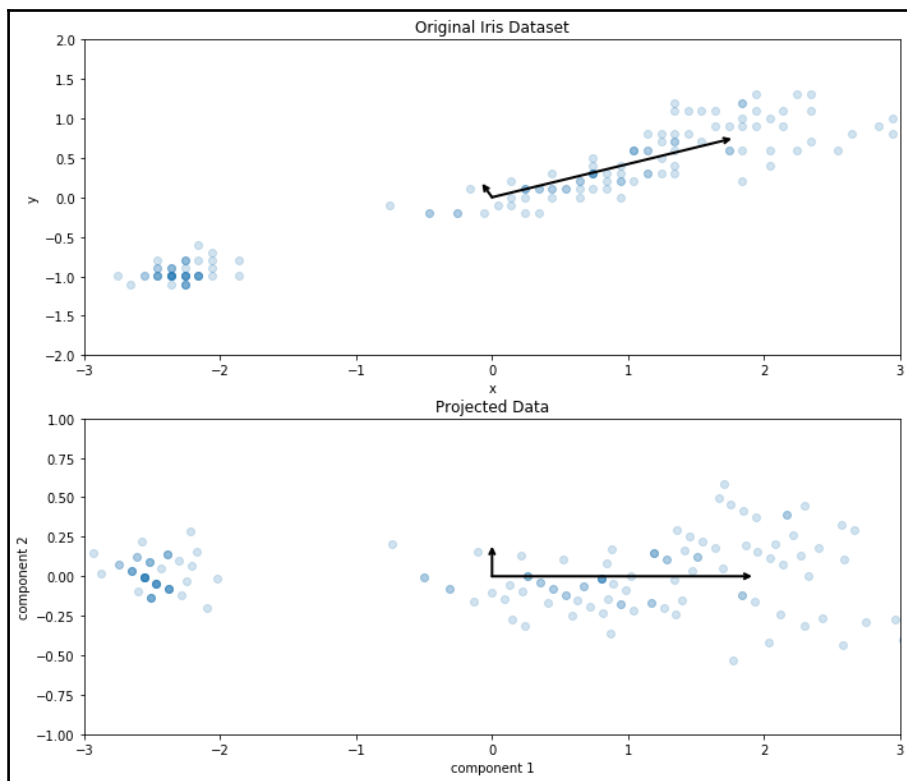


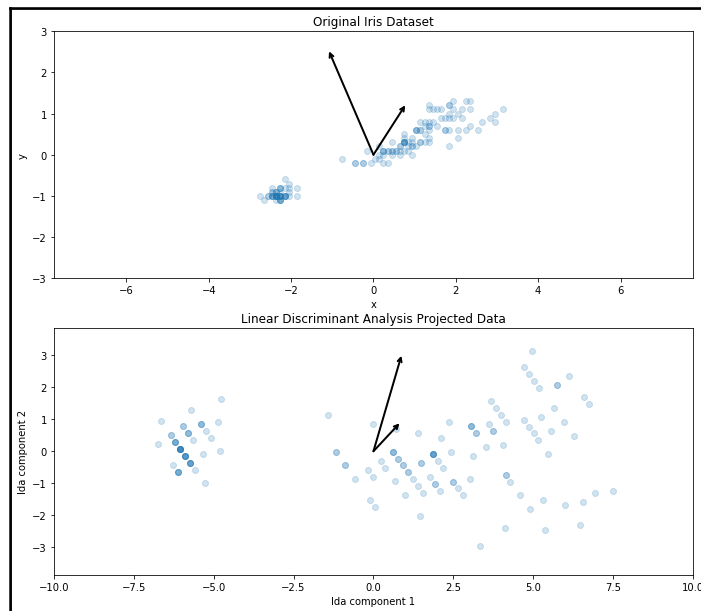
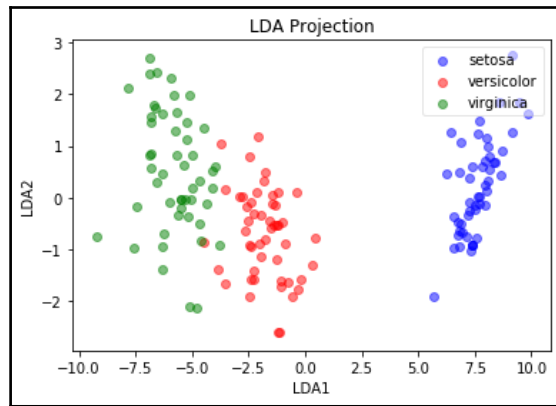




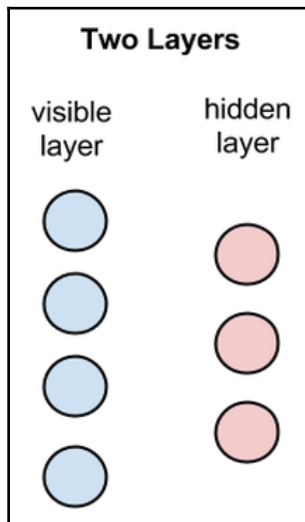
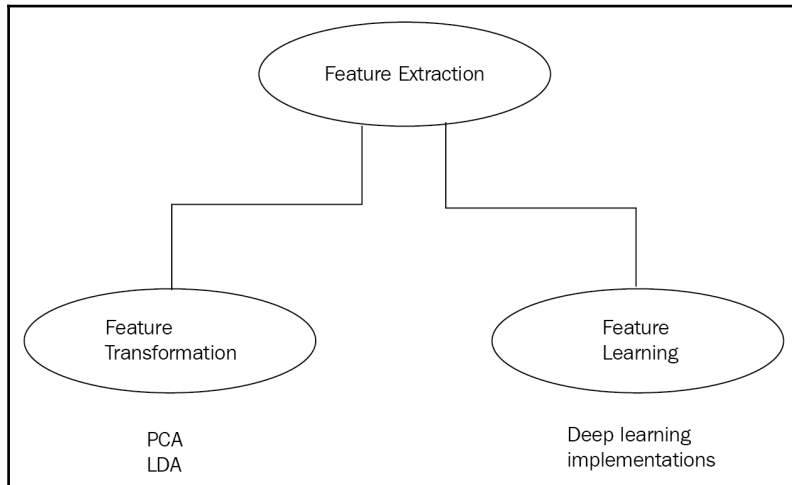


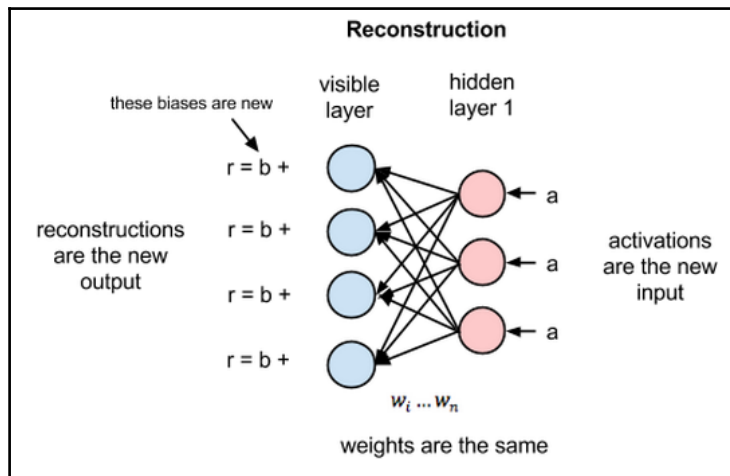
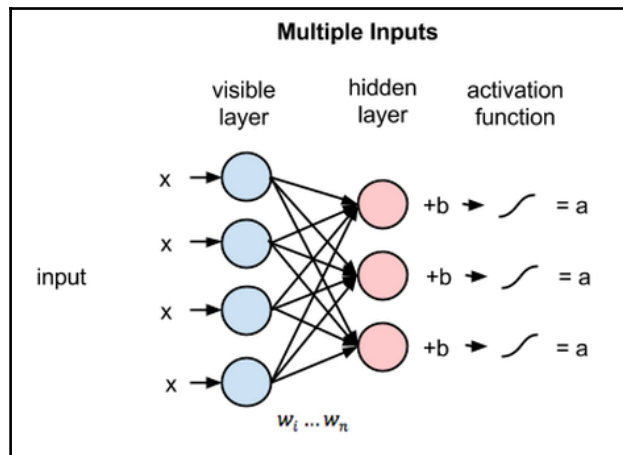
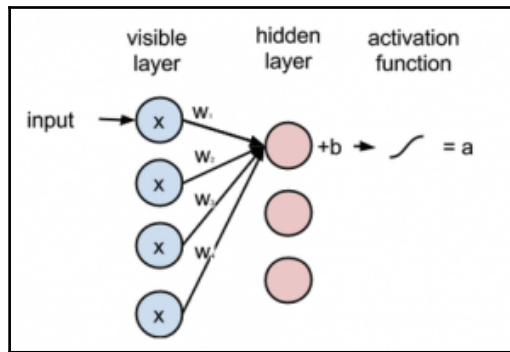


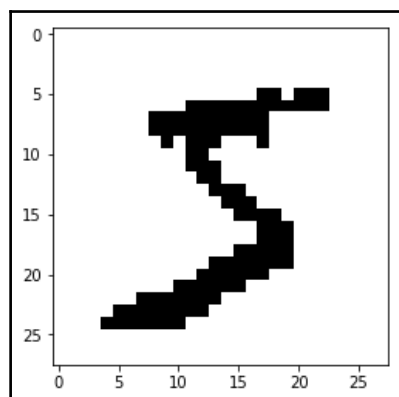
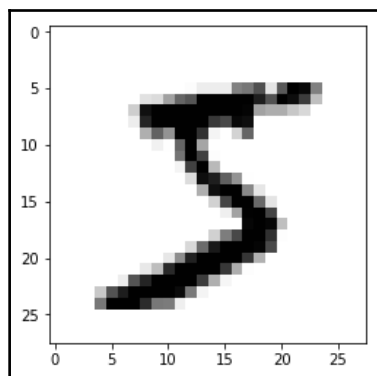


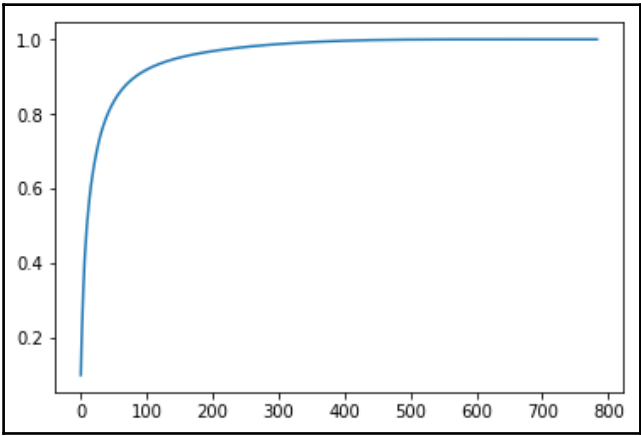
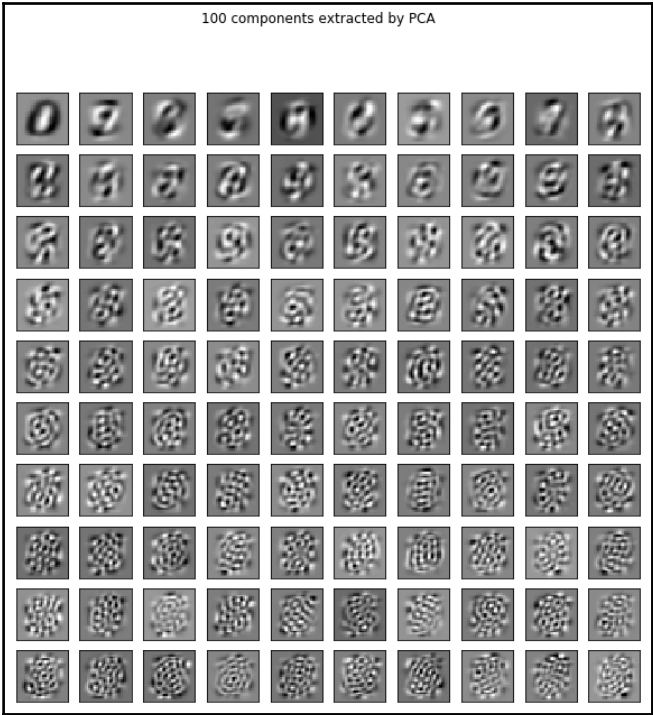


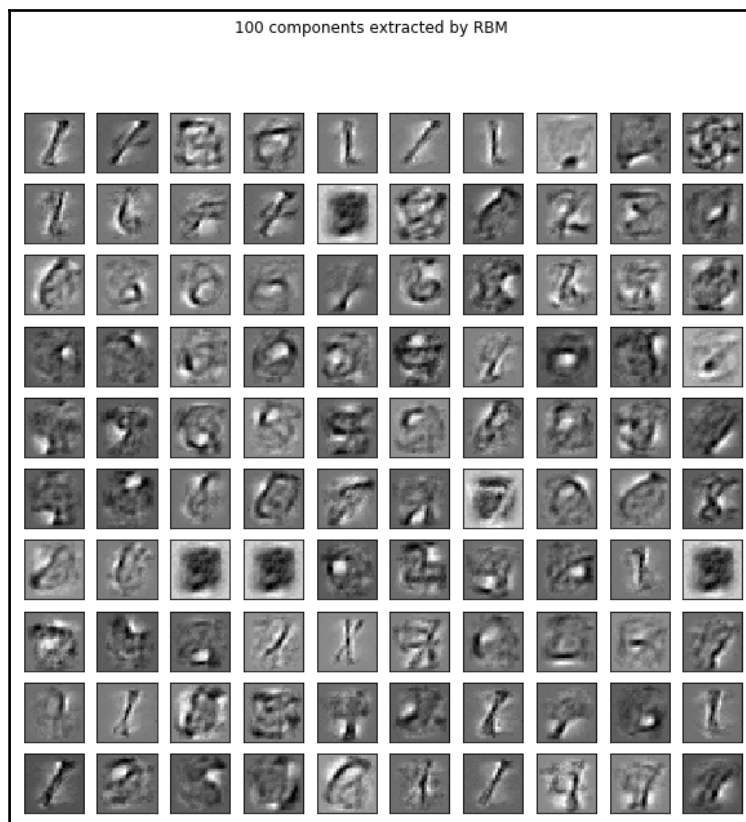
Chapter 7: Feature Learning

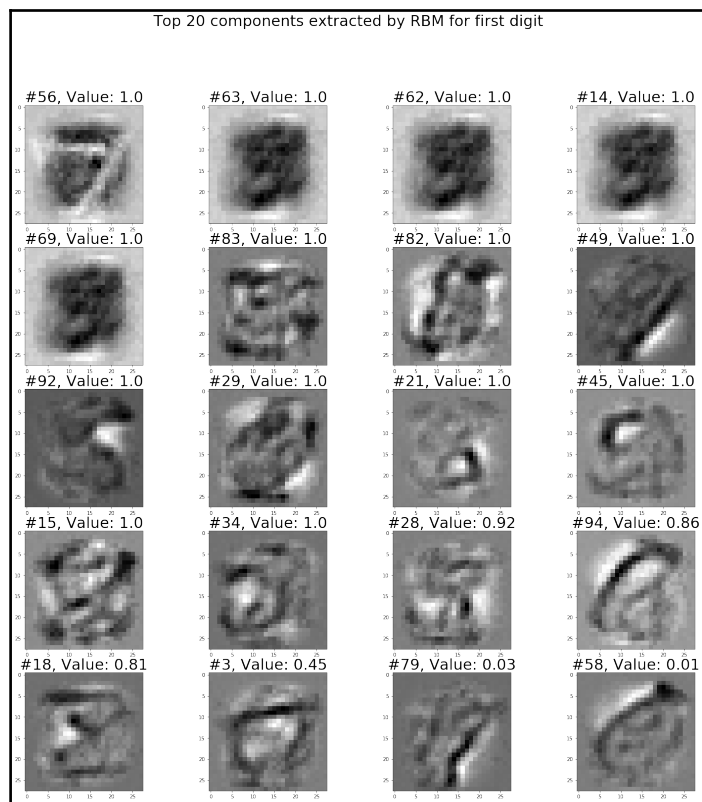


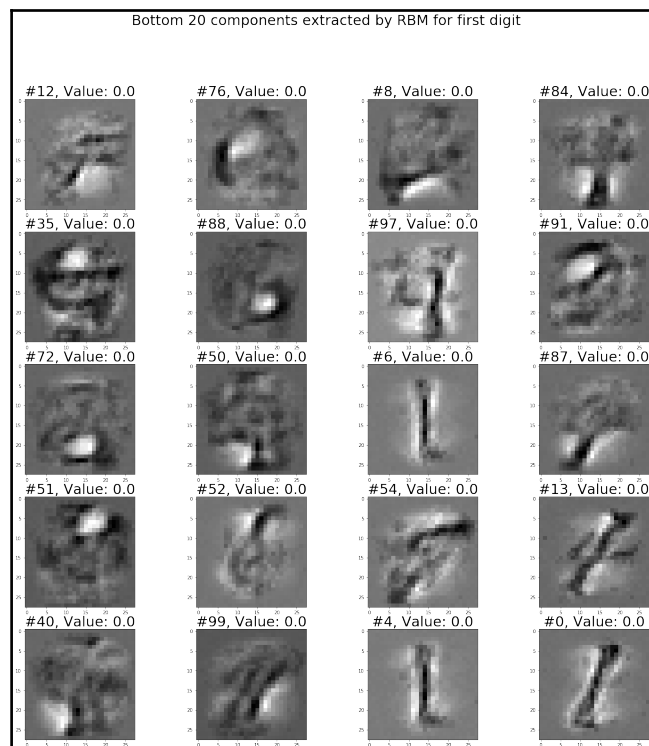


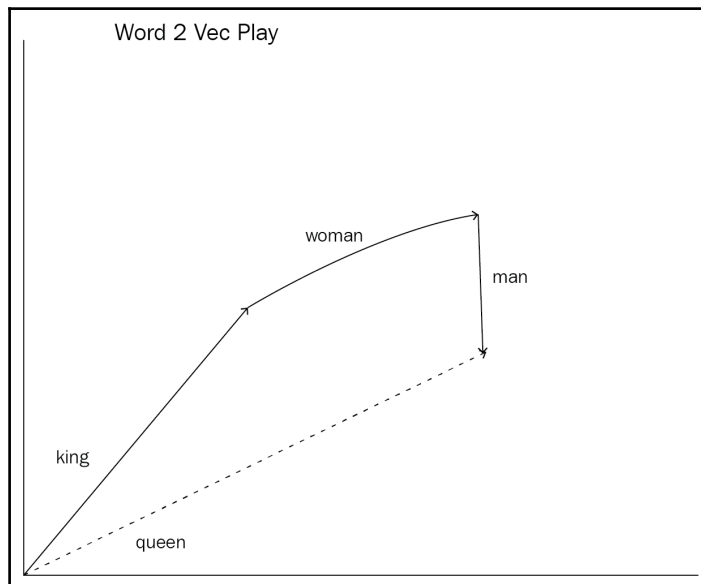
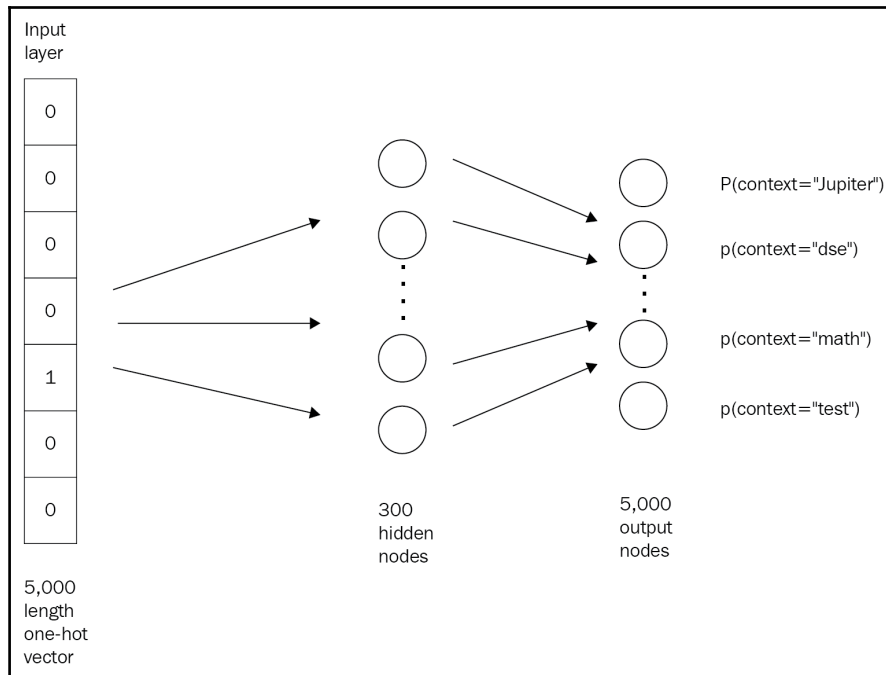












Chapter 8: Case Studies

