Exercise problems from the textbook: **Applied Multivariate Statistical Analysis** by R. A. Johnson and D. W. Wichern, **6th edition**.

Chapter 2: 2.4, 2.11, 2.12, 2.13, 2.14, 2.15, 2.17, 2.18, 2.27, 2.28, 2.40

Chapter 3: 3.2, 3.12, 3.13, 3.16, 3.17